

Country fact sheets

37 Members and
1 Cooperating Member



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Czech Republic	Norway
Denmark	Poland
Estonia	Portugal
Finland	Romania
France	Serbia
Germany	Slovakia
Greece	Slovenia
Hungary	Spain
Iceland	Sweden
Ireland	Switzerland
Israel*	Turkey
Italy	United Kingdom

* Cooperating Member

Albania



Statistical data refers to 2017

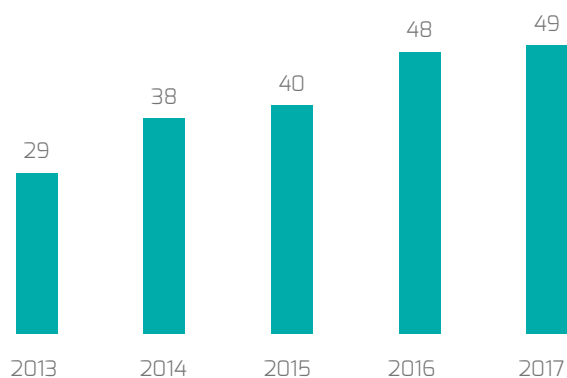
REPRESENTING INSTITUTIONS

- National Agency of Scientific Research and Innovation



Albania became a full COST Member on 25-26 April 2018 during the 203rd meeting of the Committee of Senior Officials (CSO). Due to the new status of the country, some of the data is not yet available.

COUNTRY REPRESENTATION IN COST ACTIONS

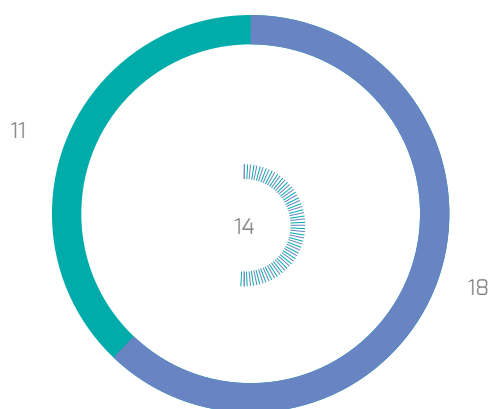


BUDGET RECEIVED



INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

1
Short-term
scientific missions

Austria



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Austrian Research Promotion Agency (FFG)
- Austrian Federal Ministry of Transport, Innovation and Technology

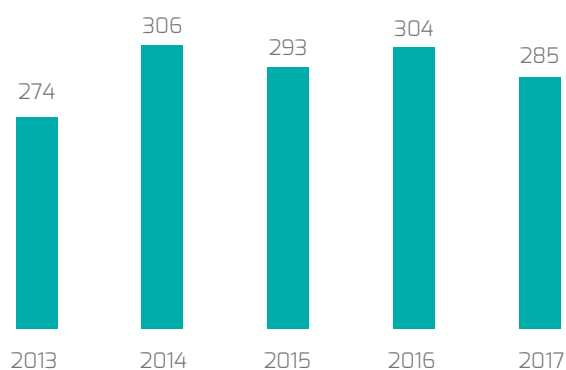


RUNNING ACTIONS LED BY AUSTRIA

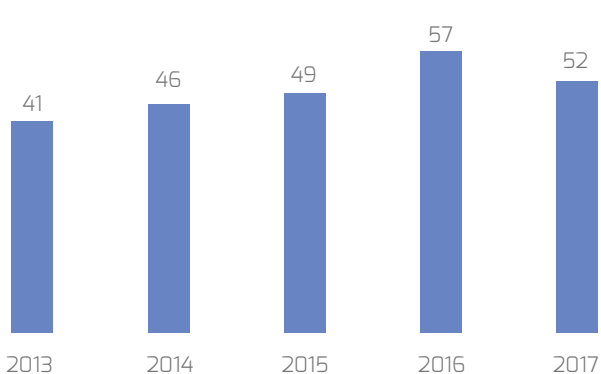
Examples of Chaired and Vice Chaired Actions

- > Non-native tree species for european forests - experiences, risks and opportunities ([NNEXT](#))
- > Mitochondrial mapping: Evolution - Age - Gender - Lifestyle - Environment
- > European network of bioadhesion expertise: fundamental knowledge to inspire advanced bonding technologies
- > Brillouin light scattering microspectroscopy for biological and biomedical research and applications
- > Non-globular proteins - from sequence to structure, function and application in molecular physiopathology ([NGP-NET](#))
- > C-H Activation in Organic Synthesis ([CHAOS](#))
- > Mining the European Anthroposphere ([MINEA](#))

COUNTRY REPRESENTATION IN COST ACTIONS

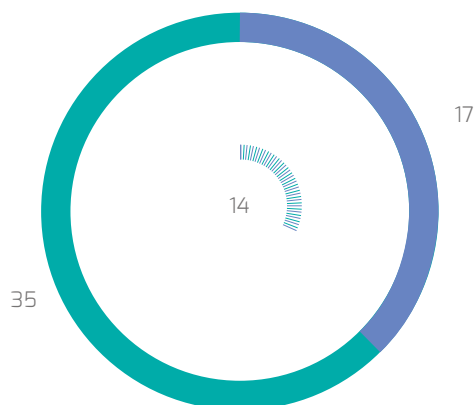


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

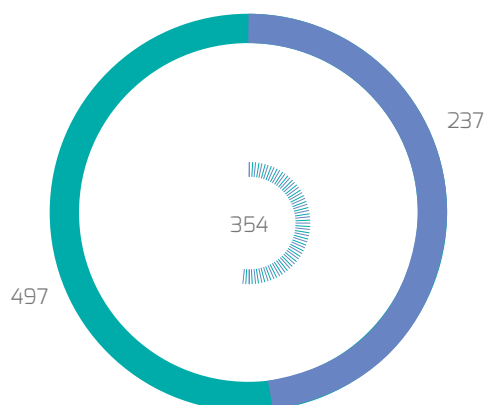


“COST is one of the few truly bottom-up frameworks allowing researchers and engineers to cooperate closely on topics not yet seen as key challenges, but possibly having a major mid- to long-term impact.”

Herbert Wancura, Engineer, Synergesis Consulting

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

52

Short-term scientific missions

62

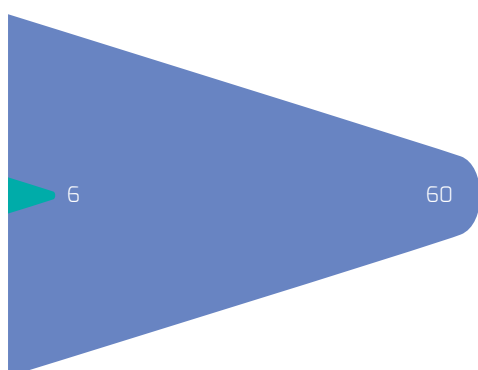
Trainees

26

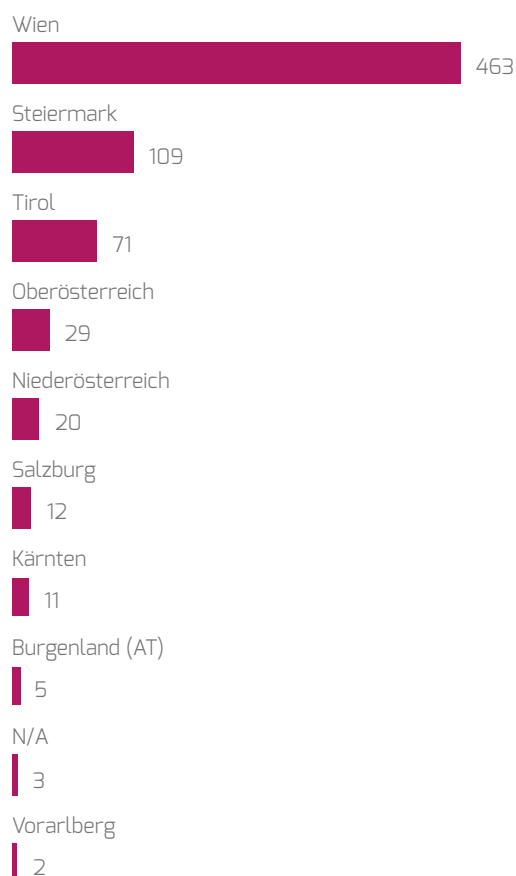
Trainers

NETWORKING ACTIVITIES IN AUSTRIA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED



EXPERTISE OF PROPOSERS

Agricultural biotechnology	4	Languages and literature	12
Agriculture, Forestry, and Fisheries	14	Law	6
Animal and dairy science	4	Materials engineering	9
Arts	3	Mathematics	33
Basic medicine	21	Mechanical engineering	6
Biological sciences	109	Media and communications	12
Chemical engineering	8	Medical biotechnology	7
Chemical sciences	32	Medical engineering	12
Civil engineering	18	Nano-technology	5
Clinical medicine	31	Other engineering and technologies	19
Computer and Information Sciences	69	Other agricultural sciences	2
Earth and related Environmental sciences	52	Other medical sciences	7
Economics and business	27	Other social sciences	6
Educational sciences	7	Philosophy, Ethics and Religion	7
Electrical engineering, electronic engineering,		Physical Sciences	57
Information engineering	16	Political Science	17
Environmental biotechnology	5	Psychology	15
Environmental engineering	10	Social and economic geography	6
Health Sciences	32	Sociology	21
History and Archeology	18	Veterinary science	7
Industrial biotechnology	7		
		Total	753

“Without COST, my academic contacts and research results would suffer to a great extent. Thanks to COST, I advanced many scientific results and scientific interactions in my field of research.”

Alice Ludvig, Political Scientist, BOKU

Belgium



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Belgian Science Policy Office

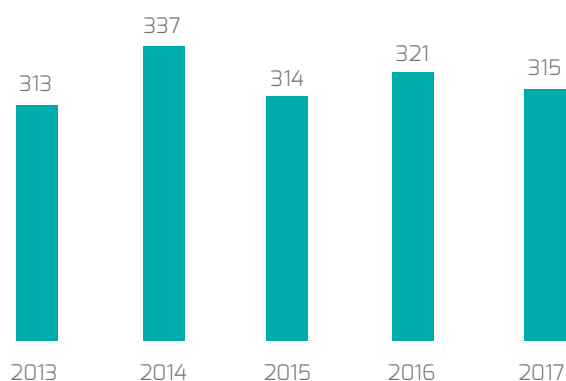


RUNNING ACTIONS LED BY BELGIUM

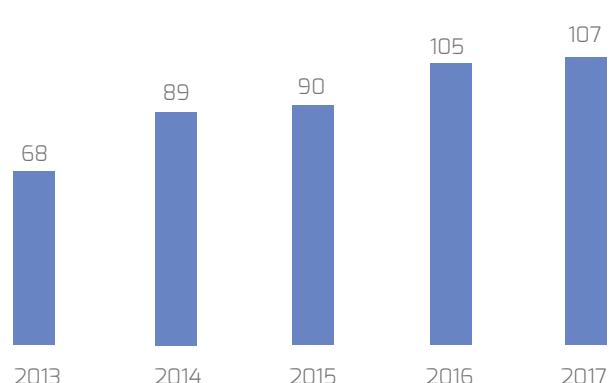
Examples of Chaired and Vice Chaired Actions

- > Evaluation of ocean syntheses
- > European network on brain malformations
- > Inclusive Radio Communication Networks for 5G and beyond (IRACON)
- > Native mass spectrometry and related methods for structural biology
- > The comet assay as a human biomonitoring tool (hCOMET)
- > Multi-Paradigm Modelling for Cyber-Physical Systems (MPM4CPS)
- > Combatting anthelmintic resistance in ruminants
- > Measuring homelessness in Europe
- > Diagnosis, Monitoring and Prevention of Exposure-related noncommunicable diseases (DiMoPEX)
- > Strengthening Europeans' capabilities by establishing the European literacy network
- > Empowering the next generation of social enterprise scholars
- > Self-healing As preventive Repair of COncrete Structures
- > European network on understanding gastrointestinal absorption-related processes
- > Increasing understanding of alien species through citizen science
- > Challenging organic syntheses inspired by nature - from natural products chemistry to drug discovery
- > Application of next generation sequencing for the study and diagnosis of plant viral diseases in agriculture
- > Multifunctional nanoparticles for magnetic hyperthermia and indirect radiation therapy (RADIOMAG)
- > Towards the next generation of standards for service life of cement-based materials and structures

COUNTRY REPRESENTATION IN COST ACTIONS

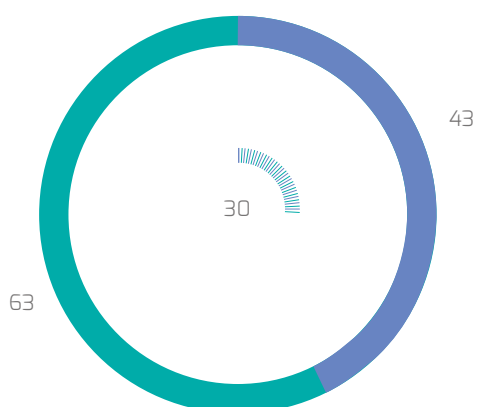


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

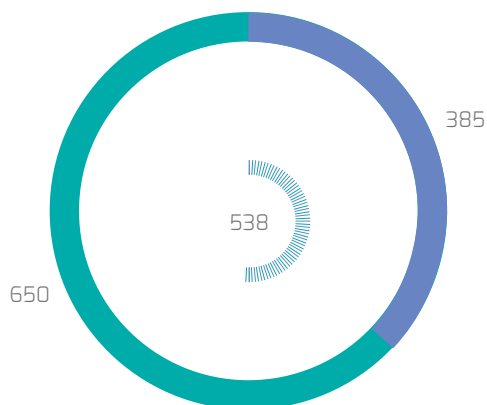


“As one of the only programs focusing on networking, COST has a fundamental role to play in promoting and stimulating open innovation in Europe.”

Roel Smolders, Principal Investigator,
Flemish Institute for Technological Research (VITO)

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

67

Short-term scientific missions

103

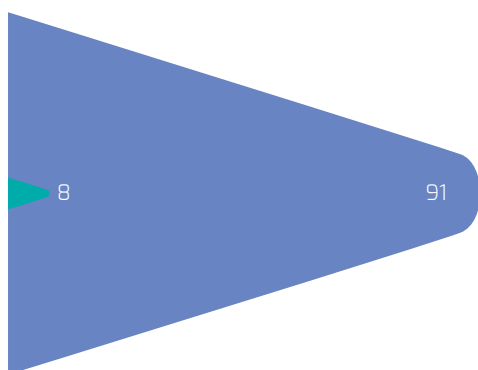
Trainees

36

Trainers

NETWORKING ACTIVITIES IN BELGIUM

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS

Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest

203

Vlaams-Brabant

192

Oost-Vlaanderen

190

Antwerpen

165

Liège

90

Hainaut

58

Brabant Wallon

55

Namur

38

Limburg (BE)

22

West-Vlaanderen

14

N/A

3

Luxembourg (BE)

1

BUDGET RECEIVED

→ € 699,639.28

EXPERTISE OF PROPOSERS

Agricultural biotechnology	10	Law	31
Agriculture, Forestry, and Fisheries	31	Materials engineering	22
Animal and dairy science	6	Mathematics	6
Arts	11	Mechanical engineering	19
Basic medicine	23	Media and communications	27
Biological sciences	90	Medical biotechnology	15
Chemical engineering	16	Medical engineering	5
Chemical sciences	25	Nano-technology	6
Civil engineering	30	Other engineering and technologies	27
Clinical medicine	52	Other agricultural sciences	5
Computer and Information Sciences	56	Other humanities	9
Earth and related Environmental sciences	37	Other medical sciences	10
Economics and business	29	Other social sciences	28
Educational sciences	7	Philosophy, Ethics and Religion	21
Electrical engineering, electronic engineering,		Physical Sciences	23
Information engineering	56	Political Science	37
Environmental biotechnology	3	Psychology	23
Environmental engineering	22	Social and economic geography	6
Health Sciences	72	Sociology	28
History and Archeology	26	Veterinary science	9
Industrial biotechnology	14		
Languages and literature	15		
		Total	988

“COST is an essential tool for boosting science and research in both Inclusiveness Target Countries and research-intensive countries. It is also a unique opportunity for promising young scientists!”

Sebastien Carpentier, Assistant Professor, KU Leuven

Bosnia and Herzegovina



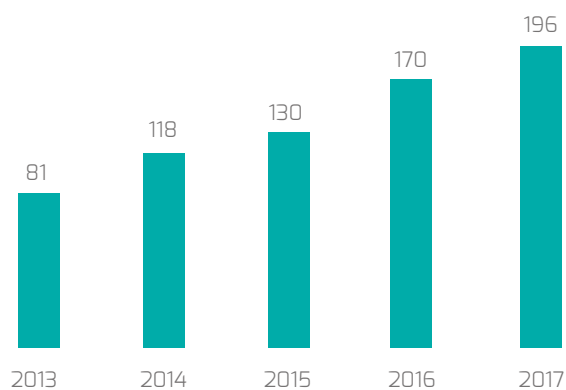
Statistical data refers to 2017

REPRESENTING INSTITUTIONS

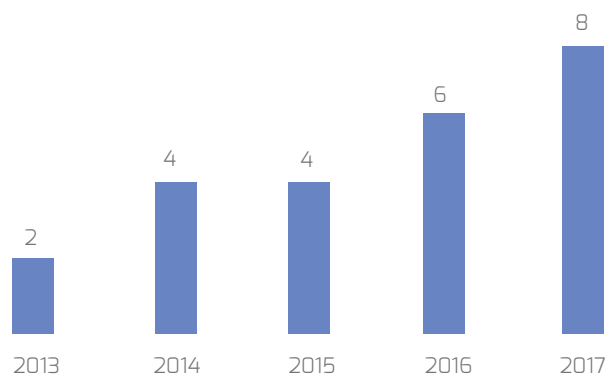
- Ministry of Civil Affairs of Bosnia and Herzegovina



COUNTRY REPRESENTATION IN COST ACTIONS

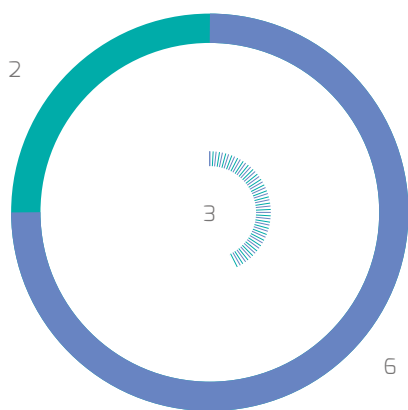


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

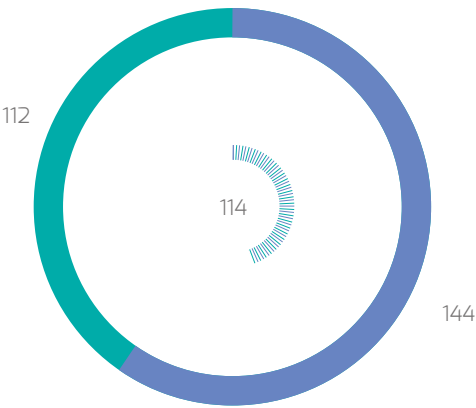


“COST is one of our windows to the outside world in our country’s transition to a more prosperous society.”

Suzana Gotovac Atlagić, Assistant Professor, University of Banja Luka and Public Health Institute

INDIVIDUAL PARTICIPATION IN ALL
ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



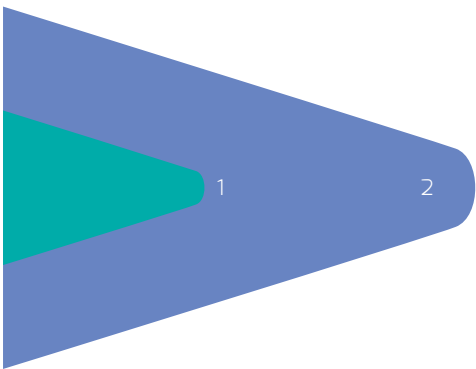
PARTICIPATION IN NETWORKING ACTIVITIES

6
Short-term
scientific missions

24
Trainees

NETWORKING ACTIVITIES IN BOSNIA AND
HERZEGOVINA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGION



BUDGET RECEIVED

→
➡ €207,025.21
—=

EXPERTISE OF PROPOSERS

Agriculture, Forestry, and Fisheries	10	Languages and literature	5
Animal and dairy science	1	Law	4
Arts	2	Mechanical engineering	3
Basic medicine	3	Media and communications	4
Biological sciences	9	Medical engineering	1
Chemical engineering	1	Other engineering and technologies	2
Chemical sciences	4	Other agricultural sciences	2
Civil engineering	4	Other humanities	4
Clinical medicine	5	Other medical sciences	2
Computer and Information Sciences	5	Other social sciences	6
Earth and related Environmental sciences	5	Physical Sciences	5
Economics and business	2	Political Science	8
Educational sciences	3	Psychology	7
Electrical engineering, electronic engineering,		Veterinary science	7
Information engineering	11		
Health Sciences	3	Total	131
History and Archeology	3		

“The COST programme offers excellent support for networking, as well as for young researchers’ mobility and training across Europe.”

Gordana Djuric, Full Professor, University of Banja Luka

Bulgaria



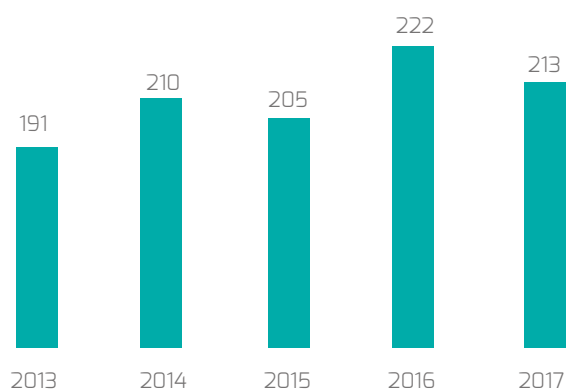
Statistical data refers to 2017

REPRESENTING INSTITUTIONS

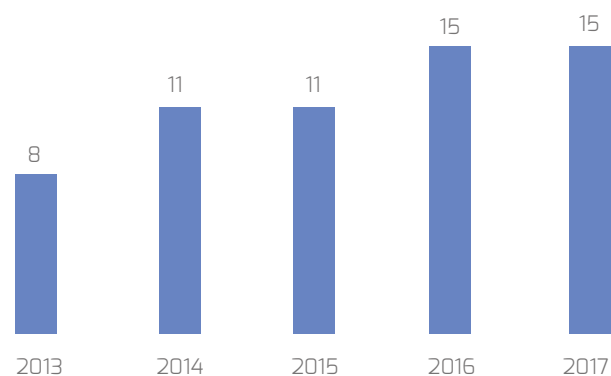
- Ministry of Education and Science



COUNTRY REPRESENTATION IN COST ACTIONS

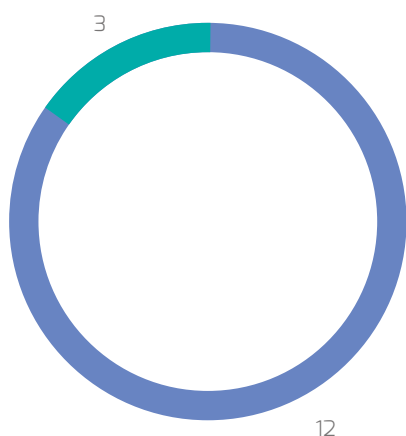


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men

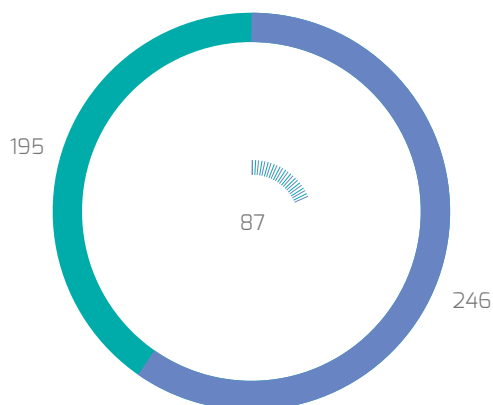


“COST has been critical for my career by building a network and connecting me to all the leading scientists in my research area. COST is currently doing the same for my PhD students: it motivates them to stay in Bulgaria and work on the state of the art in the field.”

Guergana Guerova, Associate Professor,
Sofia University

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

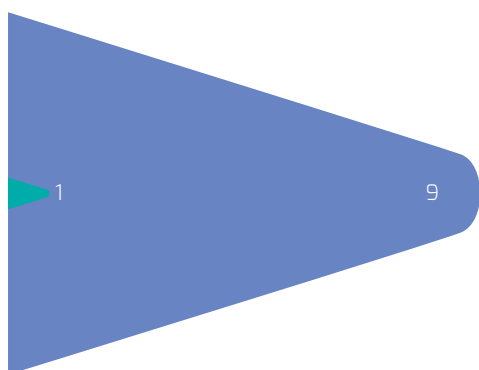
27
Short-term
scientific missions

48
Trainees

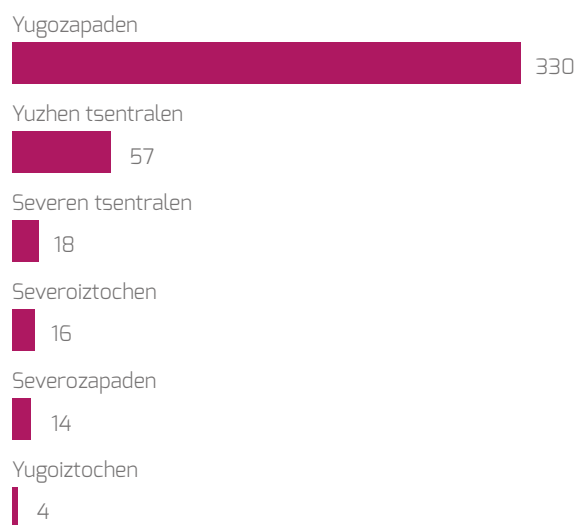
2
Trainers

NETWORKING ACTIVITIES IN BULGARIA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→
€343,935.94

EXPERTISE OF PROPOSERS

Agricultural biotechnology	2	Law	4
Agriculture, Forestry, and Fisheries	8	Materials engineering	2
Animal and dairy science	4	Mathematics	10
Basic medicine	5	Mechanical engineering	10
Biological sciences	48	Medical biotechnology	2
Chemical engineering	2	Medical engineering	6
Chemical sciences	24	Nano-technology	9
Civil engineering	6	Other engineering and technologies	8
Clinical medicine	28	Other agricultural sciences	2
Computer and Information Sciences	28	Other humanities	3
Earth and related Environmental sciences	36	Other medical sciences	2
Economics and business	34	Other social sciences	2
Educational sciences	4	Philosophy, Ethics and Religion	1
Electrical engineering, electronic engineering,		Physical Sciences	36
Information engineering	15	Political Science	3
Environmental biotechnology	1	Psychology	10
Environmental engineering	12	Social and economic geography	8
Health Sciences	16	Sociology	5
History and Archeology	13	Veterinary science	7
Industrial biotechnology	7		
Languages and literature	11	Total	434

“It is very important that early-stage researchers go on short-term scientific missions and take part in training schools at a scale that no other EU-funded programme can match.”

Peter Kralchevsky, Full Professor, Sofia University

Croatia



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Science and Education and Sports

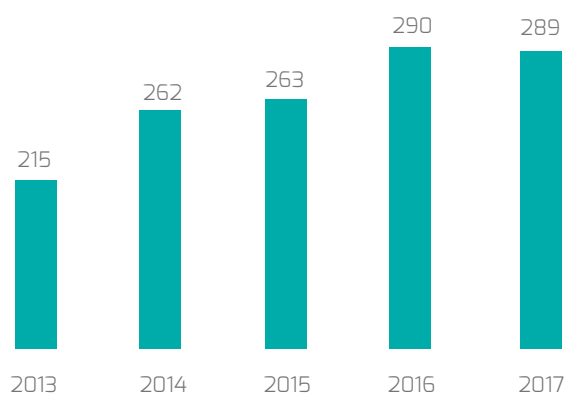


RUNNING ACTIONS LED BY CROATIA

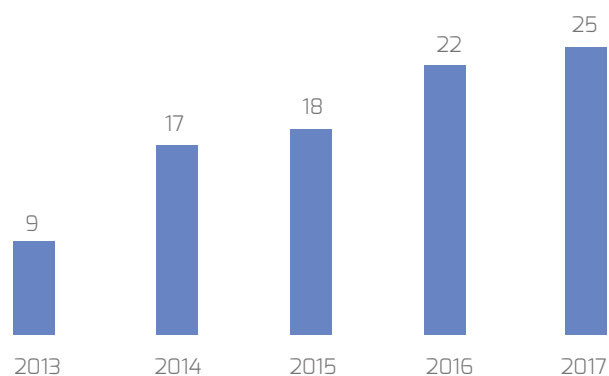
Examples of Chaired and Vice Chaired Actions

- > Quantifying the value of structural health monitoring
- > Investigation and mathematical analysis of avant-garde disease control via mosquito nano-tech-repellents
- > Big data era in sky and earth observation ([BIG-SKY-EARTH](#))
- > Biomaterials and advanced physical techniques for regenerative cardiology and neurology
- > Advancing marine conservation in the European and contiguous seas ([MarCons](#))
- > A European network for foodborne parasites ([Euro-FBP](#))
- > European Energy Poverty: Agenda Co-Creation and Knowledge Innovation

COUNTRY REPRESENTATION IN COST ACTIONS

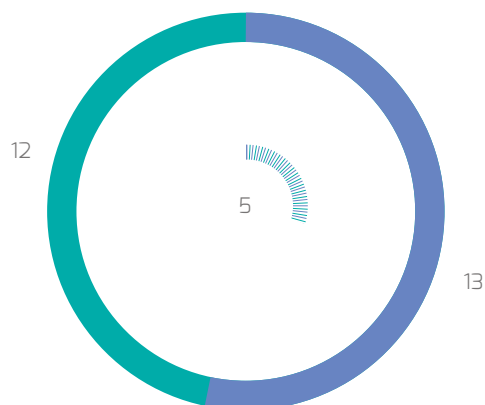


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

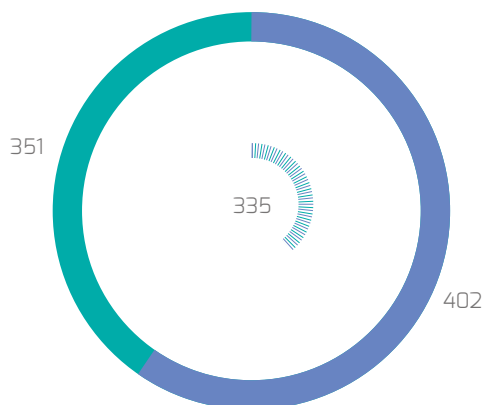


“COST Actions are very useful in significantly increasing collaboration among European researchers. It is an easy, simple and very efficient way to increase researchers' visibility and personal contacts across similar fields.”

Mile Ivanda, Head of Molecular Physics Laboratory,
Ruđer Bošković Institute

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

47

Short-term scientific missions

100

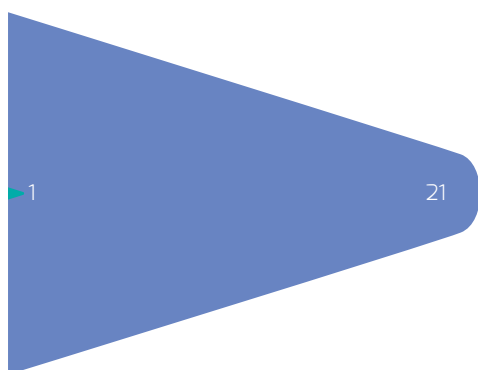
Trainees

8

Trainers

NETWORKING ACTIVITIES IN CROATIA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS

Sjeverozapadna Hrvatska



Središnja i Istočna (Panonska) Hrvatska



Jadranska Hrvatska



BUDGET RECEIVED

→ €602,959.64

EXPERTISE OF PROPOSERS

Agricultural biotechnology	3	Law	15
Agriculture, Forestry, and Fisheries	18	Materials engineering	13
Animal and dairy science	4	Mathematics	8
Arts	13	Mechanical engineering	9
Basic medicine	29	Media and communications	12
Biological sciences	45	Medical biotechnology	1
Chemical engineering	2	Other engineering and technologies	18
Chemical sciences	41	Other agricultural sciences	5
Civil engineering	15	Other humanities	8
Clinical medicine	43	Other medical sciences	5
Computer and Information Sciences	33	Other social sciences	8
Earth and related Environmental sciences	28	Philosophy, Ethics and Religion	14
Economics and business	22	Physical Sciences	40
Educational sciences	5	Political Science	12
Electrical engineering, electronic engineering,		Psychology	13
Information engineering	31	Social and economic geography	3
Environmental engineering	7	Sociology	19
Health Sciences	11	Veterinary science	1
History and Archeology	16		
Industrial biotechnology	7		
Languages and literature	17		
		Total	594

“COST is a valuable instrument in the European Research Area, with significant impact in establishing bottom-up, open and inclusive science and technology networks within the European research community.”

Tomislav Matic, Assistant Professor, University of Osijek

Cyprus



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

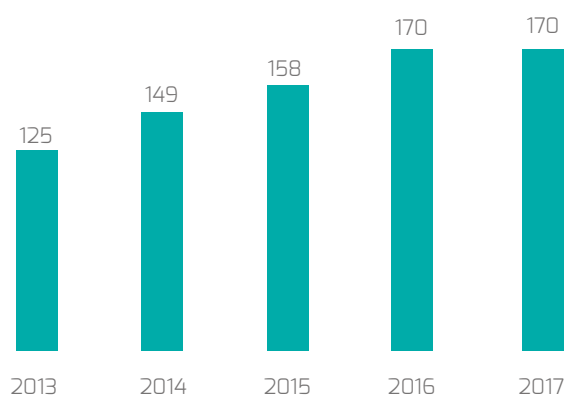
- Research Promotion Foundation

RUNNING ACTIONS LED BY CYPRUS

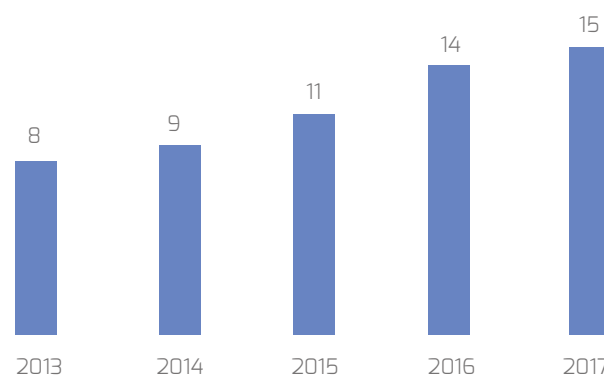
Examples of Chaired and Vice Chaired Actions

- > European network for environmental citizenship
- > New and emerging challenges and opportunities in wastewater reuse ([NEREUS](#))
- > Computationally-intensive methods for the robust analysis of non-standard data ([CRoNoS](#))
- > Rationing - Missed nursing care: an international and multidimensional problem
- > Memristors - Devices, models, circuits, systems and applications ([MemoCiS](#))
- > Ocean governance for sustainability - challenges, options and the role of science
- > European network for high performance integrated microwave photonics
- > Simulation and pharmaceutical technologies for advanced patient-tailored inhaled medicines ([SimInhale](#))

COUNTRY REPRESENTATION IN COST ACTIONS

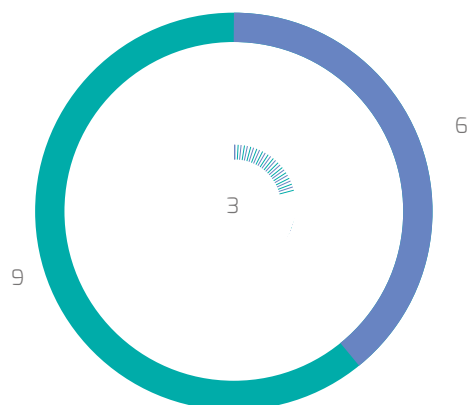


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

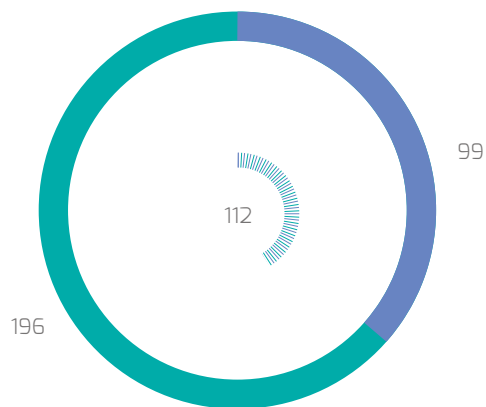


“The COST programme is the only outlet for many researchers from South and East European countries.”

Stavroula Pantazopoulou, Full Professor, University of Cyprus

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women
■ Men
/// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

21

Short-term
scientific missions

22

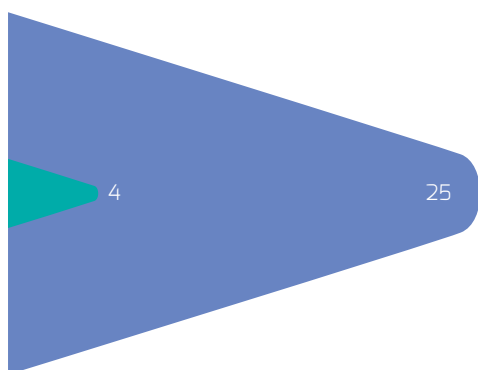
Trainees

11

Trainers

NETWORKING ACTIVITIES IN CYPRUS

■ Short-term scientific missions
■ Training schools



PARTICIPATION PER COUNTRY REGION



BUDGET RECEIVED

→ €252,007.41

EXPERTISE OF PROPOSERS

Agricultural biotechnology	1	History and Archeology	8
Agriculture, Forestry, and Fisheries	12	Languages and literature	6
Animal and dairy science	2	Law	8
Arts	2	Materials engineering	4
Basic medicine	5	Mathematics	12
Biological sciences	28	Mechanical engineering	9
Chemical engineering	4	Media and communications	1
Chemical sciences	8	Nano-technology	1
Civil engineering	13	Other engineering and technologies	7
Clinical medicine	12	Other humanities	6
Computer and Information Sciences	56	Other medical sciences	2
Earth and related Environmental sciences	15	Other social sciences	3
Economics and business	7	Philosophy, Ethics and Religion	1
Educational sciences	13	Physical Sciences	7
Electrical engineering, electronic engineering,		Political Science	4
Information engineering	29	Psychology	11
Environmental biotechnology	2	Sociology	2
Environmental engineering	31		
Health Sciences	17	Total	349

“Taking part in a COST Action saw me enter the European research arena and participate in other European projects.”

Elias Kyriakides, Associate Professor, University of Cyprus

Czech Republic



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Brno University of Technology, Central European Institute of Technology
- Ministry of Education, Youth and Sports

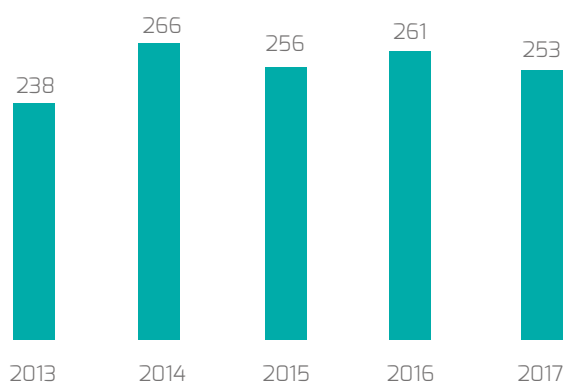


RUNNING ACTIONS LED BY CZECH REPUBLIC

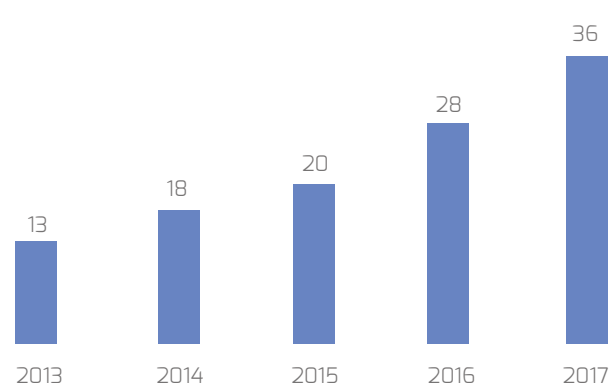
Examples of Chaired and Vice Chaired Actions

- > Mining the European anthroposphere (MINEA)
- > New exploratory phase in research on East European cultures of dissent
- > Fractional-order systems - analysis, synthesis and their importance for future design
- > Natural flood retention on private land
- > Scientific and technical innovations for safer Powered Two Wheelers (PTW)
- > European epitranscriptomics network
- > An integrative action for multidisciplinary studies on cellular structural networks
- > Solutions for Critical Raw Materials under extreme conditions (CRM-EXTREME)
- > Professionalization and social impact of European political science

COUNTRY REPRESENTATION IN COST ACTIONS

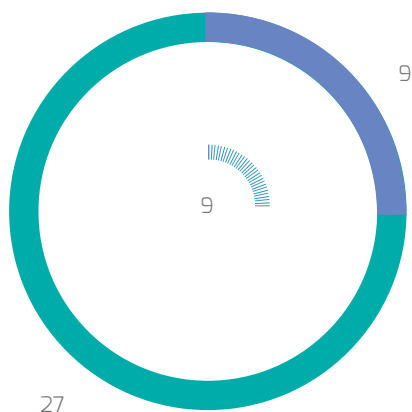


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

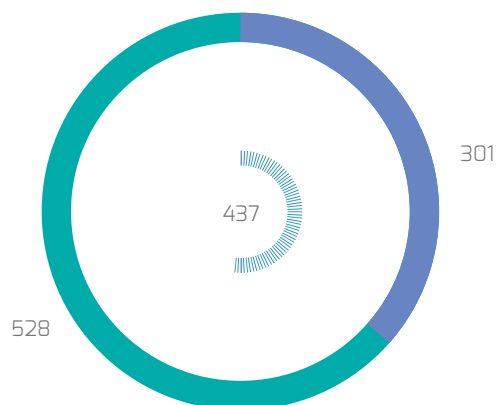


“I believe the COST framework has been one of the most meaningful EU initiatives in international science and research cooperation. It has created a huge value in the form of powerful research networks leading to some world-class research outcomes in many fields.”

Petr Witz, PhD student, Charles University

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

65

Short-term scientific missions

108

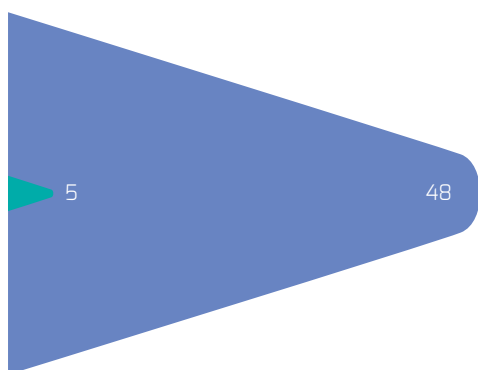
Trainees

12

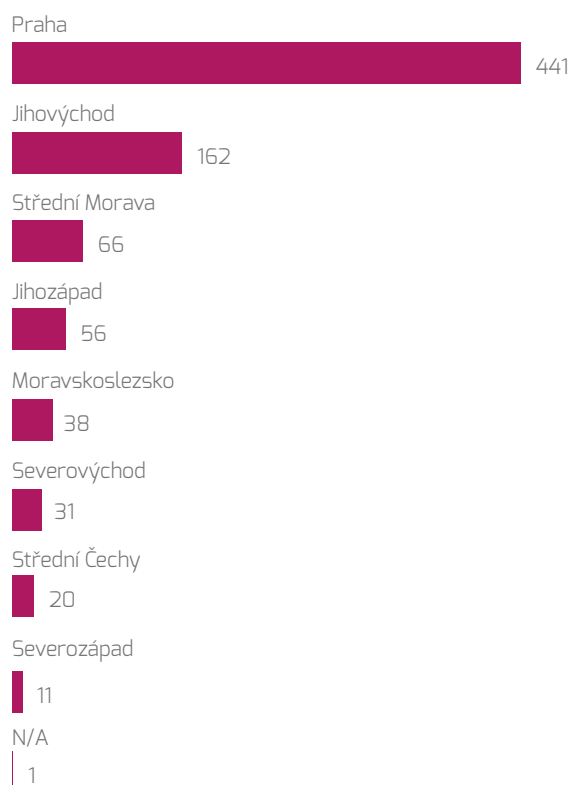
Trainers

NETWORKING ACTIVITIES IN CZECH REPUBLIC

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→ € 625,778.9

EXPERTISE OF PROPOSERS

Agricultural biotechnology	3	Law	11
Agriculture, Forestry, and Fisheries	21	Materials engineering	25
Animal and dairy science	5	Mathematics	20
Arts	5	Mechanical engineering	9
Basic medicine	23	Media and communications	2
Biological sciences	90	Medical biotechnology	2
Chemical engineering	18	Medical engineering	3
Chemical sciences	50	Nano-technology	10
Civil engineering	22	Other engineering and technologies	11
Clinical medicine	51	Other agricultural sciences	3
Computer and Information Sciences	42	Other humanities	5
Earth and related Environmental sciences	66	Other medical sciences	7
Economics and business	30	Other social sciences	8
Educational sciences	6	Philosophy, Ethics and Religion	7
Electrical engineering, electronic engineering,		Physical Sciences	74
Information engineering	29	Political Science	10
Environmental biotechnology	5	Psychology	9
Environmental engineering	9	Social and economic geography	5
Health Sciences	9	Sociology	14
History and Archeology	21	Veterinary science	4
Industrial biotechnology	5		
Languages and literature	4	Total	753

“COST Actions are the most efficient tool for multidisciplinary research in my field – urban and transport science, needing a bottom-up approach and flexible networking for efficient cooperation across Europe.”

Karel Schmeidler, Associate Professor, Technical University Brno

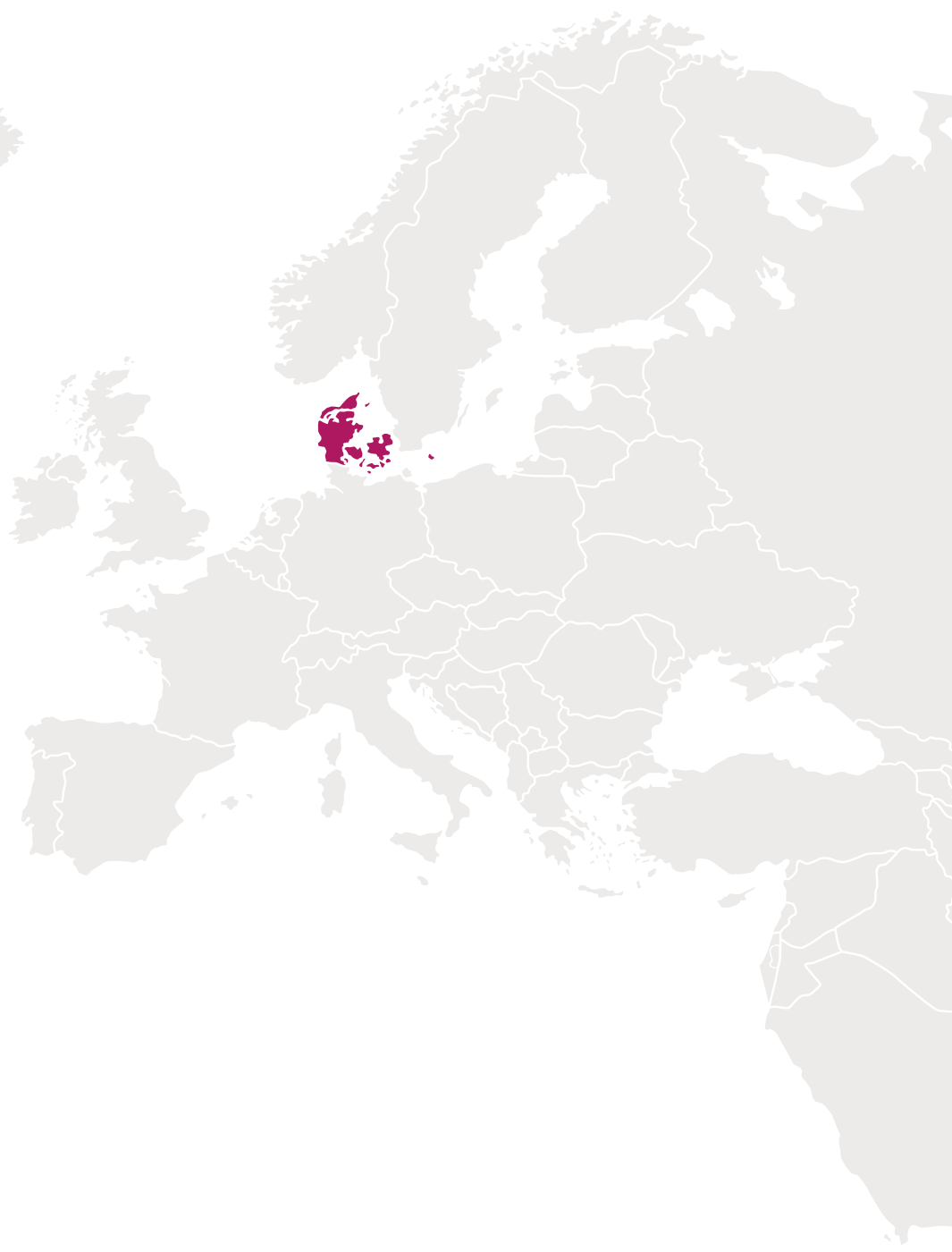
Denmark



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Higher Education and Science. Danish Agency for Science, Technology and Innovation

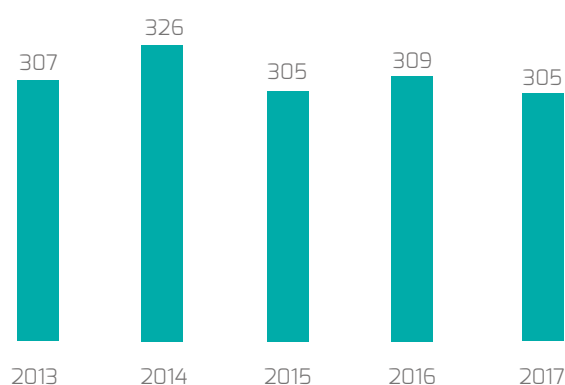


RUNNING ACTIONS LED BY DENMARK

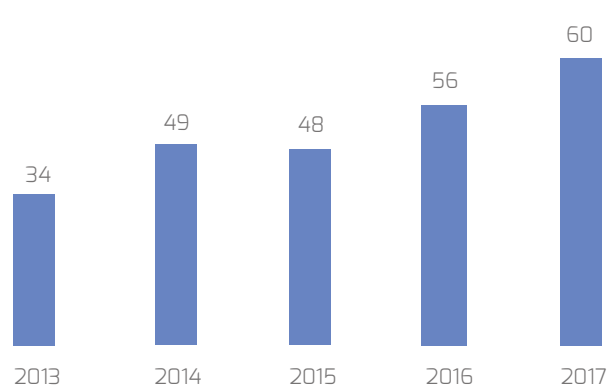
Examples of Chaired and Vice Chaired Actions

- > European network of vaccine adjuvants
- > Ammonia and greenhouse gases emissions from animal production buildings
- > Behavioural management and training of laboratory non-human primates and large laboratory animals ([PRIMTRAIN](#))
- > Quantifying the value of structural health monitoring

COUNTRY REPRESENTATION IN COST ACTIONS

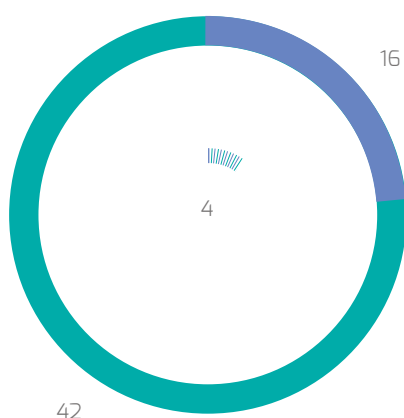


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

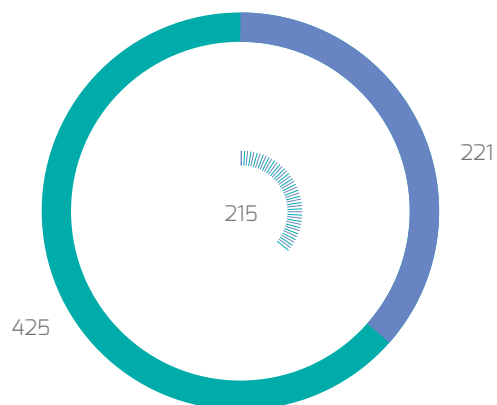


“COST Actions provide an excellent way to focus research energies and ideas in the most pressing areas for EU society. For us, here in Denmark, it has been the platform of choice to develop research projects.”

Martin Tamke, Associate,
The Royal Danish Academy of Fine Arts

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

28

Short-term scientific missions

55

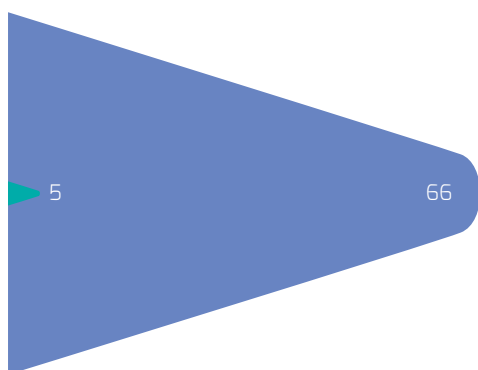
Trainees

27

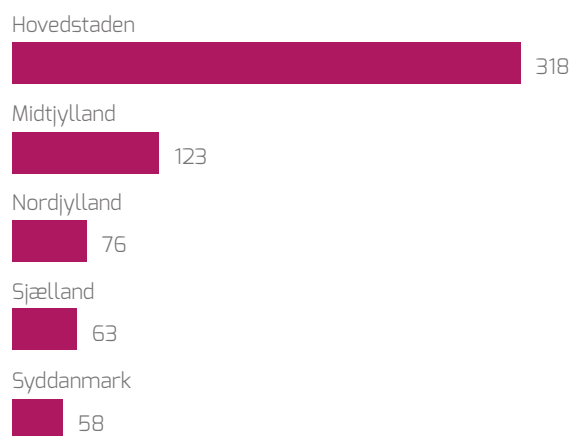
Trainers

NETWORKING ACTIVITIES IN DENMARK

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→ €489,432.93

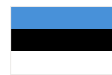
EXPERTISE OF PROPOSERS

Agricultural biotechnology	3	Materials engineering	11
Agriculture, Forestry, and Fisheries	17	Mathematics	8
Animal and dairy science	4	Mechanical engineering	7
Arts	5	Media and communications	12
Basic medicine	19	Medical biotechnology	4
Biological sciences	91	Medical engineering	4
Chemical engineering	5	Nano-technology	7
Chemical sciences	34	Other engineering and technologies	12
Civil engineering	16	Other agricultural sciences	8
Clinical medicine	41	Other humanities	14
Computer and Information Sciences	33	Other medical sciences	5
Earth and related Environmental sciences	27	Other social sciences	12
Economics and business	25	Philosophy, Ethics and Religion	11
Educational sciences	3	Physical Sciences	23
Electrical engineering, electronic engineering,		Political Science	12
Information engineering	15	Psychology	12
Environmental engineering	19	Social and economic geography	2
Health Sciences	42	Sociology	20
History and Archeology	12	Veterinary science	10
Industrial biotechnology	12		
Languages and literature	3		
Law	14		
		Total	634

“As a Master’s student,
COST allowed me to give
my first conference talk.”

Daniel Lawther, PhD student, University of Copenhagen

Estonia



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Estonian Research Council



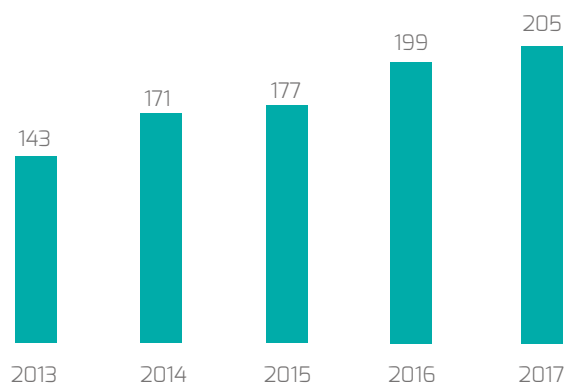
RUNNING ACTIONS LED BY ESTONIA

Examples of Chaired and Vice Chaired Actions

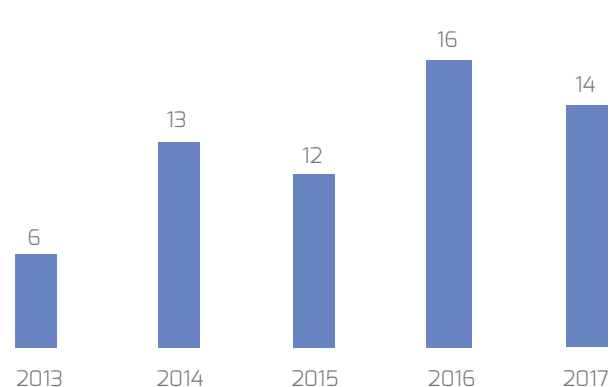
> Oceans Past Platform (OPP)

> The European research network on types for programming and verification (EUTYPES)

COUNTRY REPRESENTATION IN COST ACTIONS

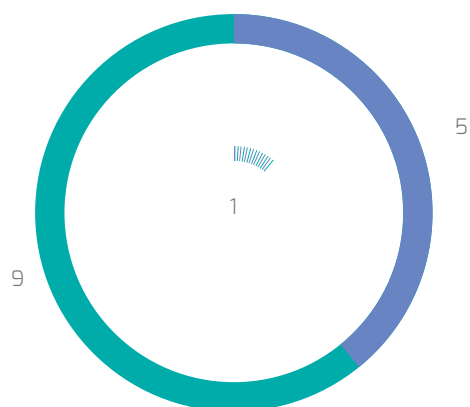


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

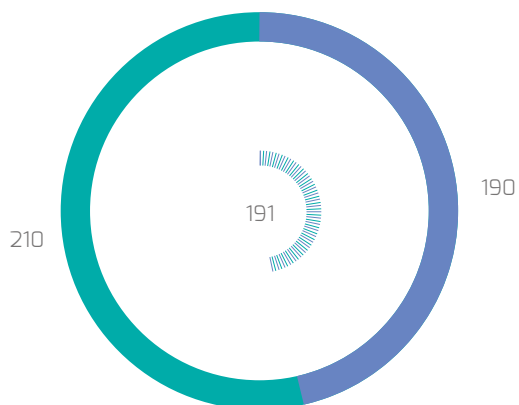


“COST Actions are the most fruitful cooperation networks between scientists from different countries. It offers young researchers the opportunity to work with leading research groups from different European countries.”

Ivika Ostonen, Researcher, University of Tartu

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

25

Short-term scientific missions

41

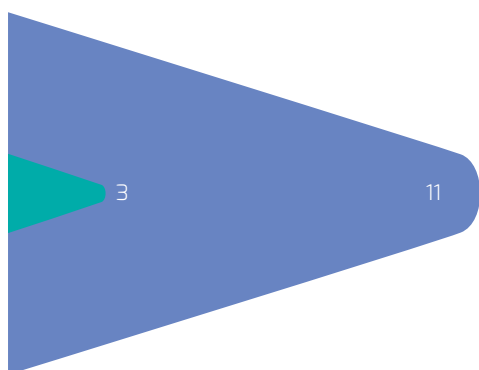
Trainees

3

Trainers

NETWORKING ACTIVITIES IN ESTONIA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGION

Eesti



BUDGET RECEIVED

→ €326,775.51

EXPERTISE OF PROPOSERS

Agricultural biotechnology	3	Materials engineering	5
Agriculture, Forestry, and Fisheries	12	Mathematics	3
Animal and dairy science	7	Mechanical engineering	2
Basic medicine	6	Media and communications	11
Biological sciences	44	Medical biotechnology	3
Chemical engineering	1	Medical engineering	3
Chemical sciences	12	Nano-technology	3
Civil engineering	8	Other engineering and technologies	9
Clinical medicine	17	Other agricultural sciences	9
Computer and Information Sciences	22	Other medical sciences	4
Earth and related Environmental sciences	26	Other social sciences	1
Economics and business	23	Philosophy, Ethics and Religion	10
Educational sciences	9	Physical Sciences	17
Electrical engineering, electronic engineering,		Political Science	15
Information engineering	11	Psychology	3
Environmental engineering	9	Social and economic geography	1
Health Sciences	14	Sociology	12
History and Archeology	5	Veterinary science	4
Industrial biotechnology	2		
Languages and literature	10	Total	361
Law	5		

“I have been involved in several COST Actions and I find them very useful for developing new research areas or interdisciplinary cooperation networks.”

Dagmar Kutsar, Associate Professor, University of Tartu

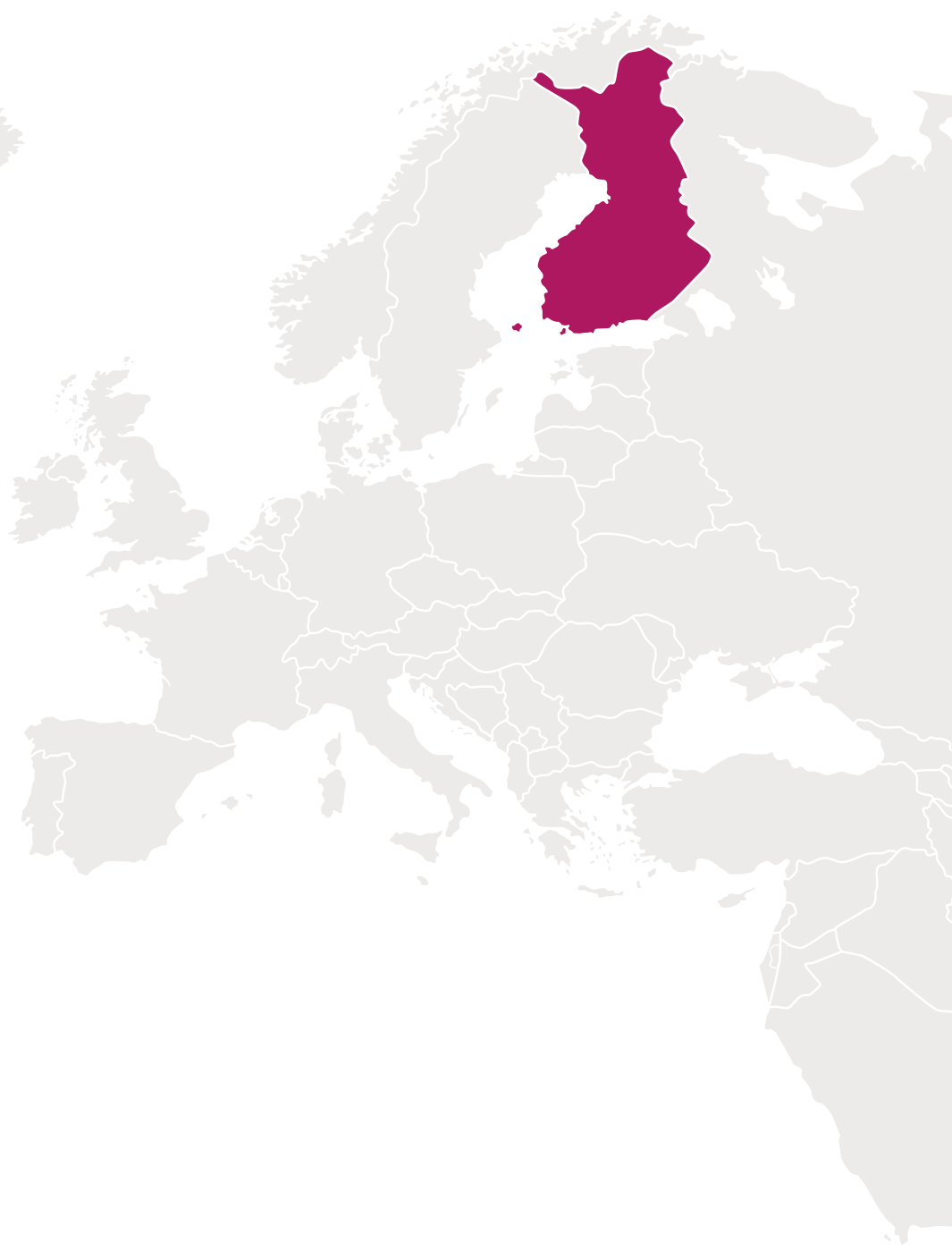
Finland



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Academy of Finland
- Tekes-The Finnish Funding Agency for Innovation

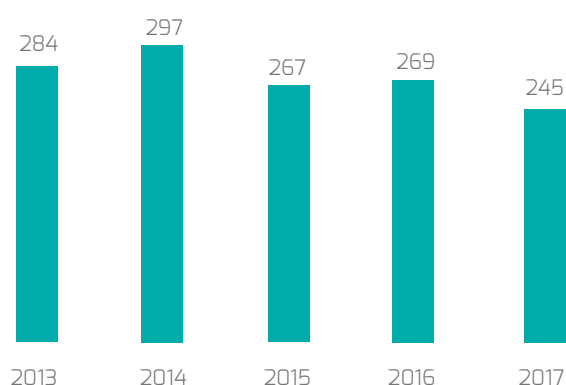


RUNNING ACTIONS LED BY FINLAND

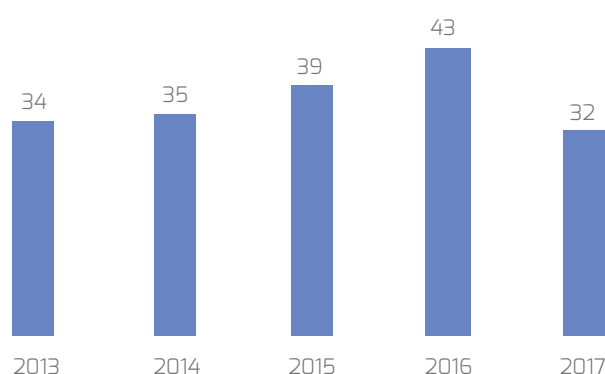
Examples of Chaired and Vice Chaired Actions

- > A European network for a harmonised monitoring of snow for the benefit of climate change scenarios, hydrology and numerical weather prediction
- > Reappraising intellectual debates on civic rights and democracy in Europe
- > Anti-Microbial Coating Innovations to prevent infectious diseases (AMICI)
- > Safety culture and risk management in agriculture
- > The European upconversion network - from the design of photon-upconverting nanomaterials to biomedical applications

COUNTRY REPRESENTATION IN COST ACTIONS

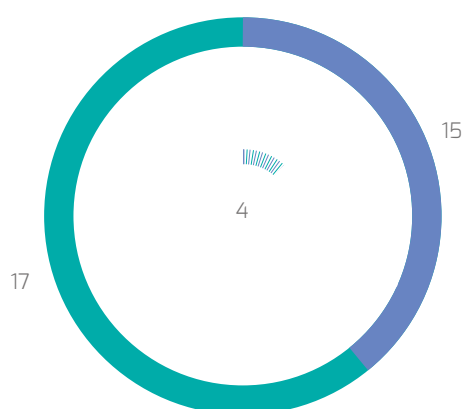


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

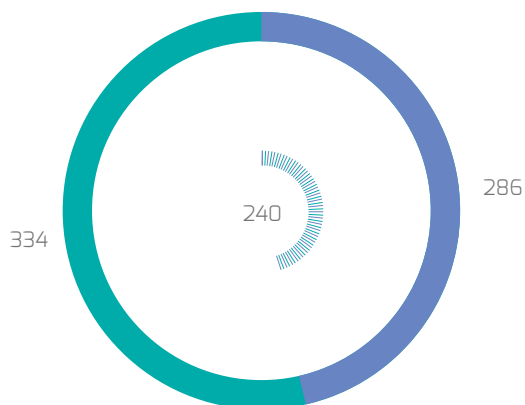


“COST is open to the European community on non-competitive grounds, while other funding mechanisms are targeted at single groups and small consortia.”

Albert Porcar Castell, Associate Professor, University of Helsinki

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

43

Short-term scientific missions

53

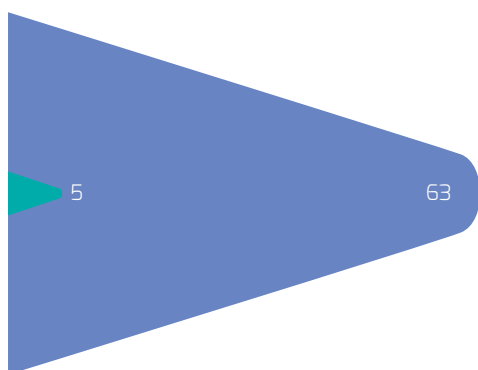
Trainees

21

Trainers

NETWORKING ACTIVITIES IN FINLAND

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS

Helsinki-Uusimaa



Etelä-Suomi



Länsi-Suomi



Pohjois- ja Itä-Suomi



Åland



BUDGET RECEIVED

→ € 529,843.6

EXPERTISE OF PROPOSERS

Agricultural biotechnology	1	Law	6
Agriculture, Forestry, and Fisheries	19	Materials engineering	14
Animal and dairy science	6	Mathematics	14
Arts	3	Mechanical engineering	3
Basic medicine	10	Media and communications	5
Biological sciences	65	Medical biotechnology	7
Chemical engineering	7	Medical engineering	3
Chemical sciences	12	Nano-technology	12
Civil engineering	13	Other engineering and technologies	19
Clinical medicine	16	Other agricultural sciences	6
Computer and Information Sciences	41	Other humanities	1
Earth and related Environmental sciences	34	Other medical sciences	2
Economics and business	15	Other social sciences	17
Educational sciences	10	Philosophy, Ethics and Religion	5
Electrical engineering, electronic engineering,		Physical Sciences	35
Information engineering	36	Political Science	20
Environmental biotechnology	2	Psychology	7
Environmental engineering	8	Social and economic geography	2
Health Sciences	26	Sociology	16
History and Archeology	8	Veterinary science	5
Industrial biotechnology	5		
Languages and literature	12	Total	548

“COST is immensely important for my research in particular, and for the development of Finnish and European science and technology in general.”

Samuli Siltanen, Full Professor, University of Helsinki

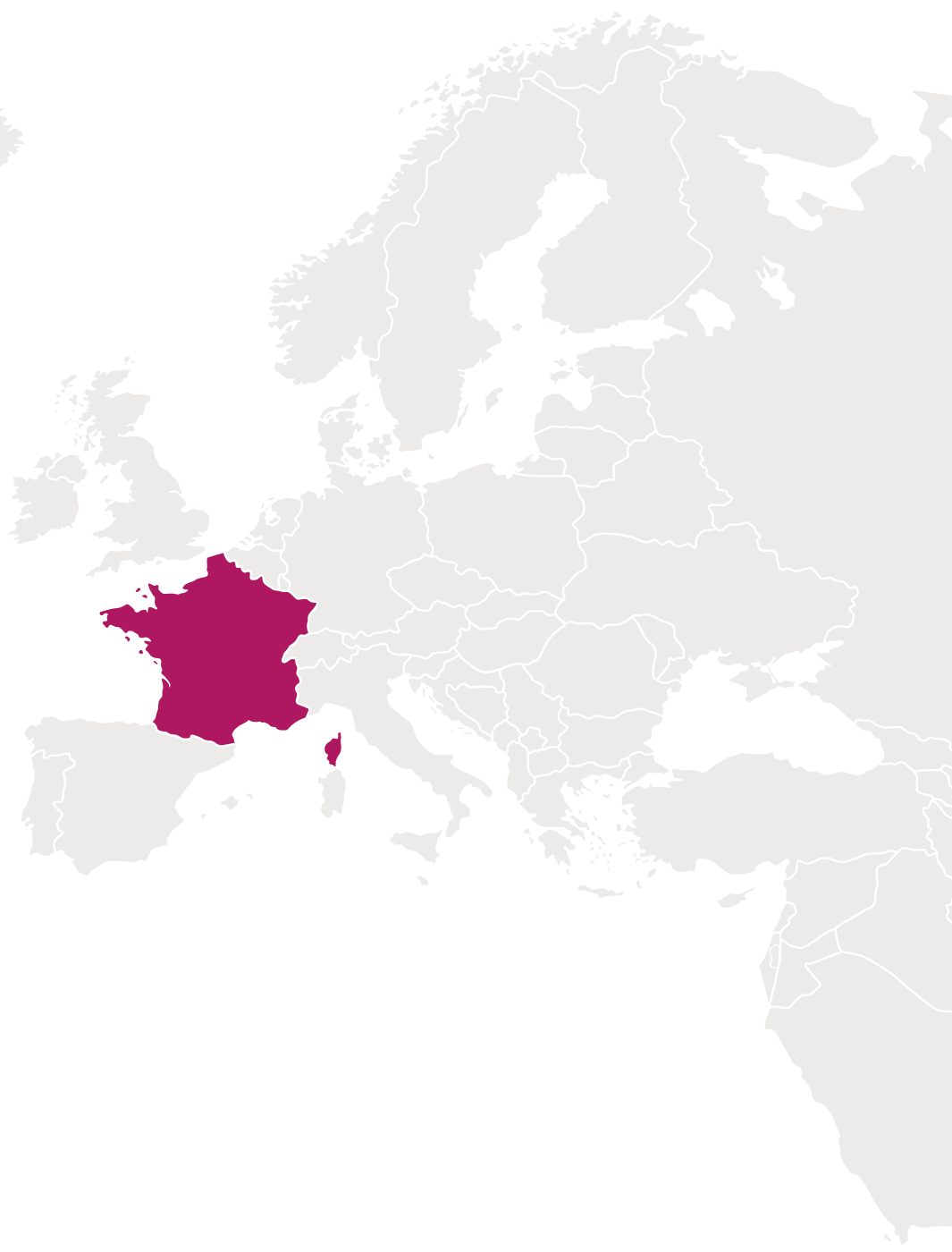
France



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education, Higher Education and Research

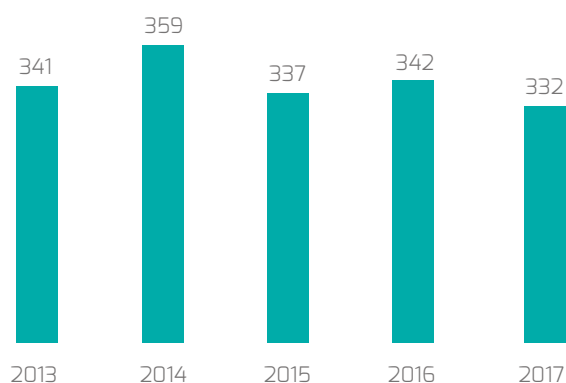


RUNNING ACTIONS LED BY FRANCE

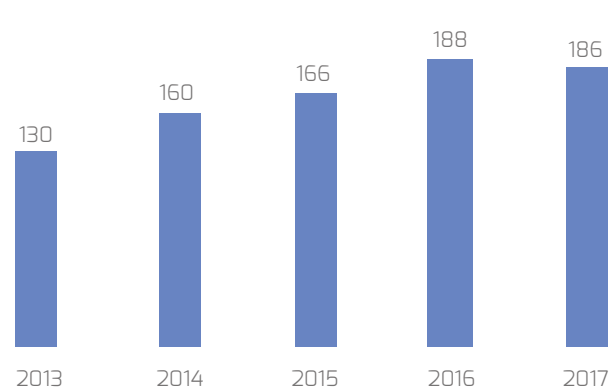
Examples of Chaired and Vice Chaired Actions

- > Developing new genetic tools for bioassessment of aquatic ecosystems in Europe
- > Mathematical and computer science methods for food science and industry ([FoodMC](#))
- > Advancing knowledge on seaweed growth and development
- > Improving Applicability of Nature-Inspired Optimisation by joining theory and practice ([ImAppNIO](#))
- > European network of multidisciplinary research and translation of autophagy knowledge ([TRANSAUTOPHAGY](#))
- > Interindividual variation in response to consumption of plant food bioactives and determinants involved ([POSITIVE](#))
- > Impact of nuclear domains on gene expression and plant traits
- > Wider impacts and scenario evaluation of autonomous and connected transport
- > Advanced characterisation and classification of radiated emissions in densely integrated technologies ([ACCREDIT](#))
- > Functional Annotation of Animal Genomes - European network ([FAANG-Europe](#))
- > Ion Channels and Immune Response toward a global understanding of immune cell physiology and for new therapeutic approaches ([IONCHAN-IMMUNRESPON](#))
- > Cryptanalysis of ubiquitous computing systems ([CRYPTACUS](#))
- > European Network for Research Evaluation in the Social Sciences and the Humanities ([ENRESSH](#))
- > Multiscale in modelling and validation for solar photovoltaics ([MultiscaleSolar](#))
- > Time Dependent Seismology ([TIDES](#))
- > Designs for noise reducing materials and structures ([DENORMS](#))

COUNTRY REPRESENTATION IN COST ACTIONS

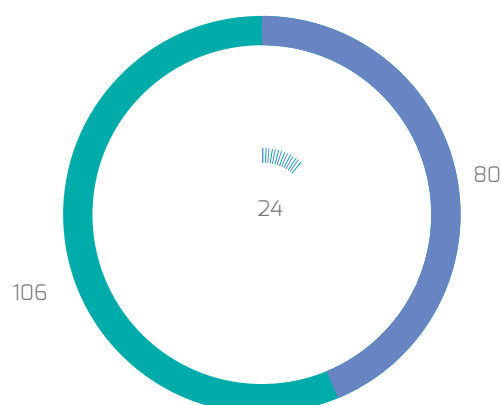


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

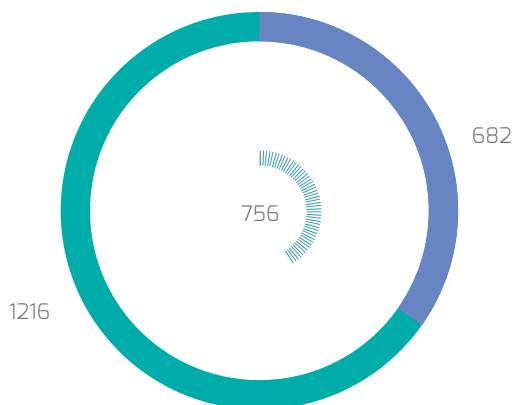


“ COST Actions are a very effective mechanism for delivering excellence and capacity building with outstanding outputs for both public and private research. ”

Jean Philippe Steyer, Researcher, INRA

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

116

Short-term scientific missions

153

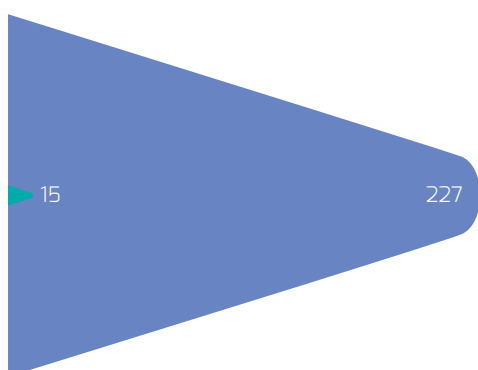
Trainees

110

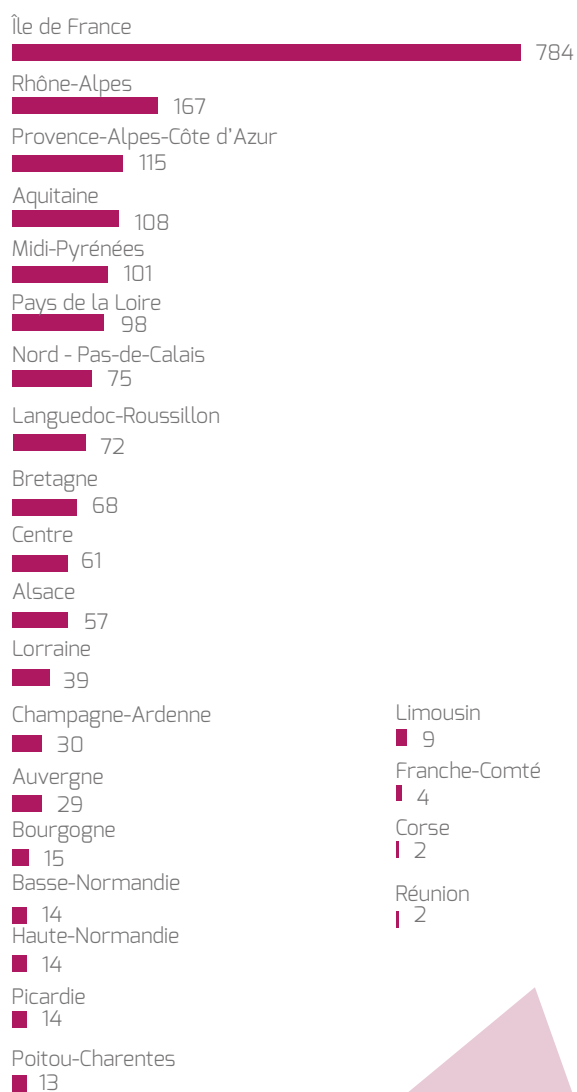
Trainers

NETWORKING ACTIVITIES IN FRANCE

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED



EXPERTISE OF PROPOSERS

Agricultural biotechnology	4	Law	19
Agriculture, Forestry, and Fisheries	58	Materials engineering	51
Animal and dairy science	7	Mathematics	65
Arts	15	Mechanical engineering	20
Basic medicine	31	Media and communications	14
Biological sciences	322	Medical biotechnology	15
Chemical engineering	34	Medical engineering	12
Chemical sciences	133	Nano-technology	22
Civil engineering	27	Other engineering and technologies	21
Clinical medicine	75	Other agricultural sciences	12
Computer and Information Sciences	189	Other humanities	5
Earth and related Environmental sciences	180	Other medical sciences	4
Economics and business	51	Other social sciences	7
Educational sciences	12	Philosophy, Ethics and Religion	17
Electrical engineering, electronic engineering,		Physical Sciences	153
Information engineering	117	Political Science	25
Environmental biotechnology	9	Psychology	31
Environmental engineering	57	Social and economic geography	6
Health Sciences	63	Sociology	23
History and Archeology	55	Veterinary science	7
Industrial biotechnology	15		
Languages and literature	22		
		Total	2005

“COST helped make the connections between key leaders in our field, especially from the younger generation. Things really happen when people in the lab travel and share expertise.”

Dr Vincent Artero, Responsable de l'équipe SolHyCat unité mixte de recherche CEA, CNRS et Université de Grenoble; CEA-Grenoble

Germany



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- DLR Project
Management Agency

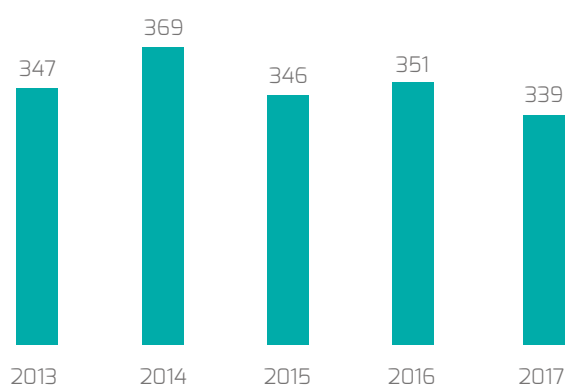


RUNNING ACTIONS LED BY GERMANY

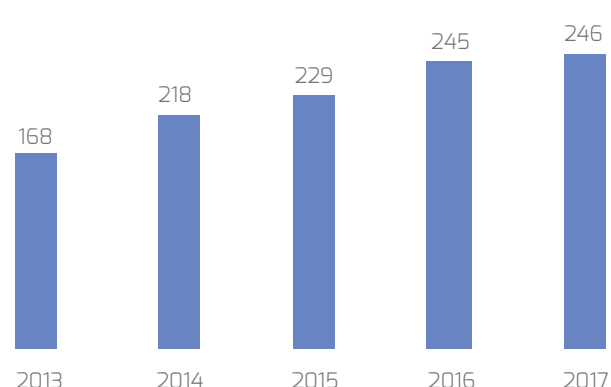
Examples of Chaired and Vice Chaired Actions

- > Connecting insights in fundamental physics ([FUNDAMENTALCONNECTIONS](#))
- > Ocean governance for sustainability - challenges, options and the role of science
- > Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production
- > LEukaemia GENE Discovery by data sharing, mining and collaboration
- > Distant reading for European literary history
- > Ageism - a multi-national, interdisciplinary perspective
- > Drylands facing change: interdisciplinary research on climate change, food insecurity, political instability
- > Wearable robots for augmentation, assistance or substitution of human motor functions
- > Mathematics for industry network ([MI-NET](#))
- > Developing new genetic tools for bioassessment of aquatic ecosystems in Europe
- > Science and Management of Intermittent Rivers and Ephemeral Streams ([SMIRES](#))
- > Payments for ecosystem services (forests for water)
- > The European upconversion network - from the design of photon-upconverting nanomaterials to biomedical applications
- > Air transport and regional development ([ATARD](#))
- > Non-native tree species for european forests - experiences, risks and opportunities ([NNEXT](#))
- > Soil fauna - key to soil organic matter dynamics and modelling ([KEYSOM](#))
- > Raman-based applications for clinical diagnostics ([Raman4clinics](#))
- > European network on the factors affecting the gastro-intestinal microbial balance and the impact on the health status of pigs

COUNTRY REPRESENTATION IN COST ACTIONS

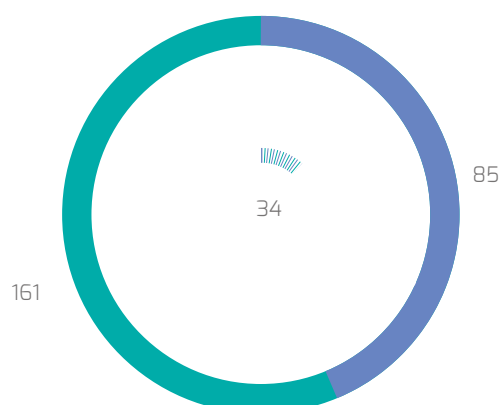


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

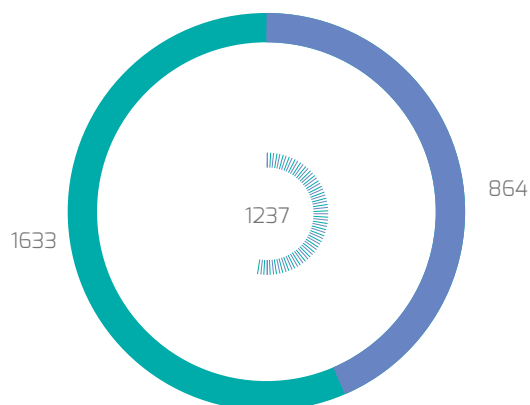


“COST provides enormous benefit to the networking of researchers across Europe. It specifically gives them the freedom to participate in many different Actions and to meet distinguished experts in certain research fields.”

Manuel Mikczinski, Researcher,
OFFIS - Institute for Information Technology

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

173

Short-term scientific missions

301

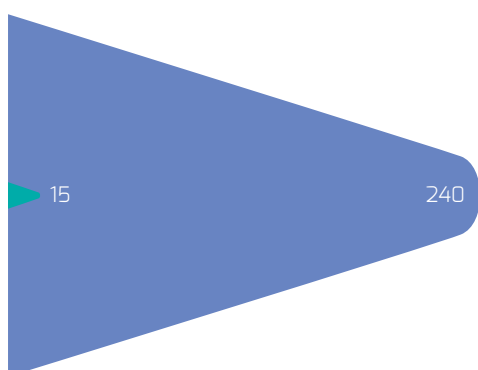
Trainees

129

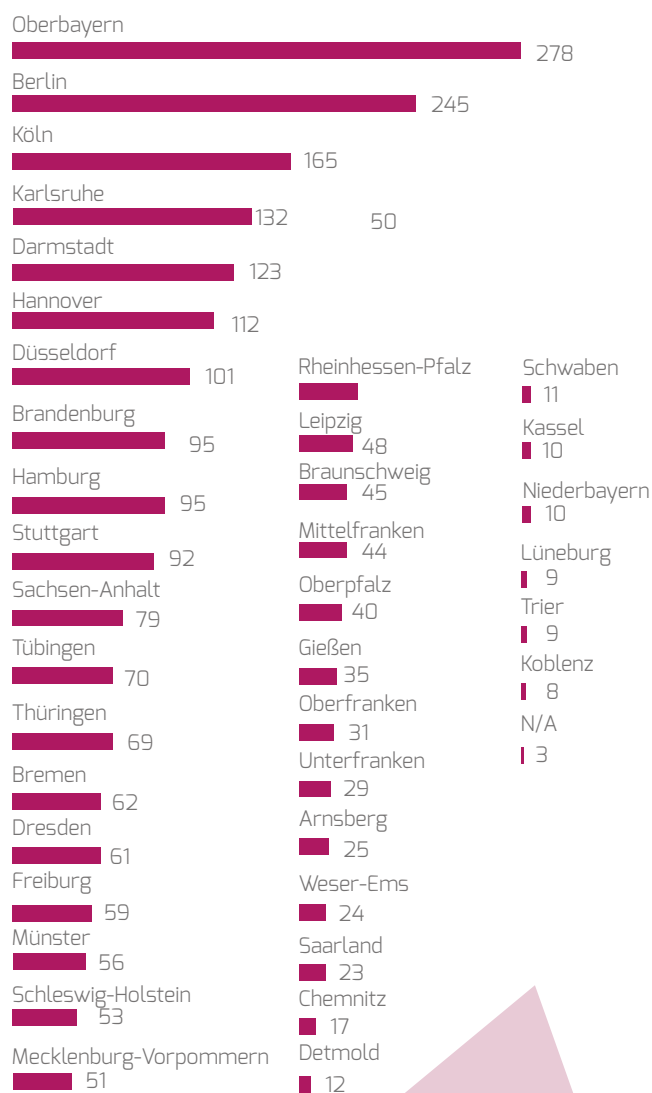
Trainers

NETWORKING ACTIVITIES IN GERMANY

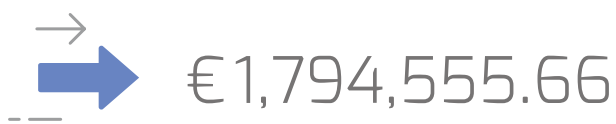
■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED



EXPERTISE OF PROPOSERS

Agricultural biotechnology	7	Law	22
Agriculture, Forestry, and Fisheries	64	Materials engineering	40
Animal and dairy science	9	Mathematics	66
Arts	19	Mechanical engineering	27
Basic medicine	50	Media and communications	18
Biological sciences	311	Medical biotechnology	18
Chemical engineering	28	Medical engineering	23
Chemical sciences	152	Nano-technology	26
Civil engineering	35	Other engineering and technologies	47
Clinical medicine	115	Other agricultural sciences	18
Computer and Information Sciences	146	Other humanities	10
Earth and related Environmental sciences	131	Other medical sciences	14
Economics and business	73	Other social sciences	17
Educational sciences	16	Philosophy, Ethics and Religion	28
Electrical engineering, electronic engineering,		Physical Sciences	195
Information engineering	98	Political Science	56
Environmental biotechnology	4	Psychology	52
Environmental engineering	30	Social and economic geography	12
Health Sciences	56	Sociology	60
History and Archeology	36	Veterinary science	9
Industrial biotechnology	15		
Languages and literature	27		
		Total	2180

“I established new collaborations that will help me advance my research here even beyond the COST Action.”

Dr Lars-Oliver Klotz, Professor in Nutrigenomics at the University of Jena (Friedrich Schiller University)

Greece



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education, Research and Religious Affairs

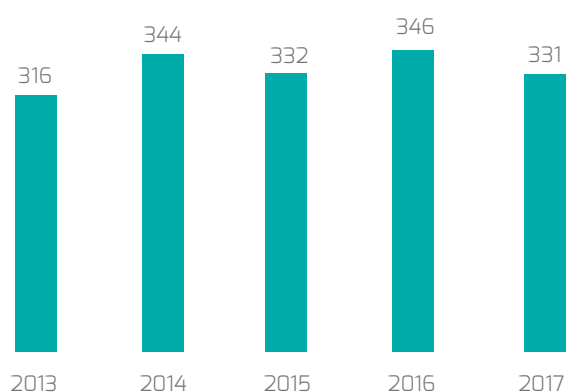


RUNNING ACTIONS LED BY GREECE

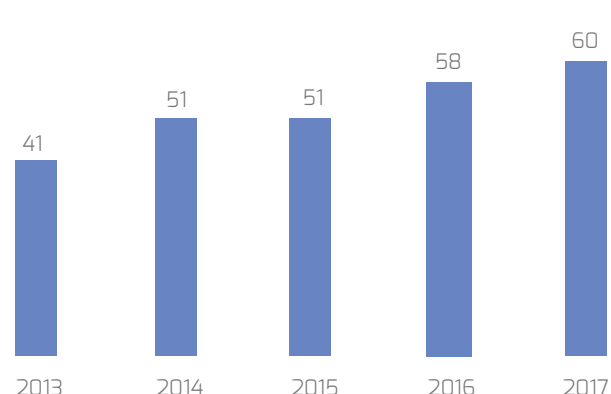
Examples of Chaired and Vice Chaired Actions

- > CliniMARK: 'good biomarker practice' to increase the number of clinically validated biomarkers
- > European network on understanding gastrointestinal absorption-related processes
- > Rationing - missed nursing care: an international and multidimensional problem
- > Archaeological practices and knowledge work in the digital environment
- > European network on individualized psychotherapy treatment of young people with mental disorders
- > European network of multidisciplinary research to improve the urinary stents
- > Chemistry of smart energy carriers and technologies ([SMARTCATS](#))
- > The biogenesis of iron-sulfur proteins: from cellular biology to molecular aspects ([FeSBioNet](#))
- > Atmospheric electricity network: coupling with the earth system, climate and biological systems
- > Gene regulation ensemble effort for the knowledge commons
- > Combatting anthelmintic resistance in ruminants
- > Advancing marine conservation in the European and contiguous seas ([MarCons](#))
- > Innovation in intelligent Management of Heritage Buildings ([i2MHB](#))
- > Ammonia and greenhouse gases emissions from animal production buildings
- > Quantum technologies with ultra-cold atoms

COUNTRY REPRESENTATION IN COST ACTIONS

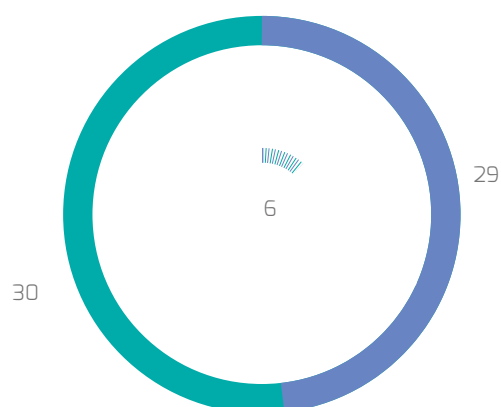


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

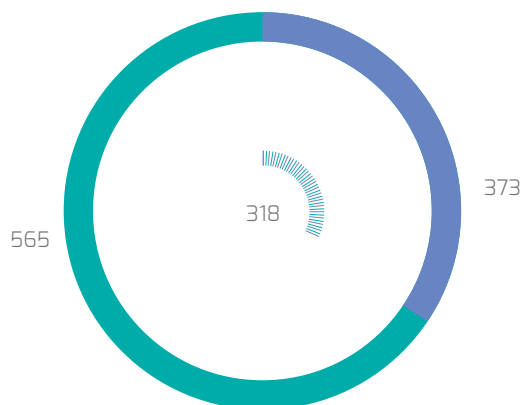


“COST is an excellent instrument for connecting scientists from European and Associated Countries. Particularly, the youngest scientists have wide opportunities for establishing international collaborations and for strengthening their scientific profile.”

Alkiviadis Bais, Full Professor,
Aristotle University of Thessaloniki

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

66

Short-term scientific missions

107

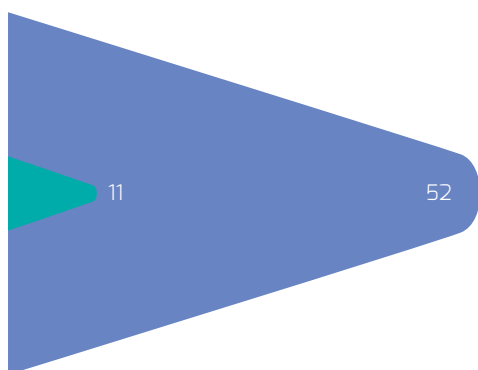
Trainees

17

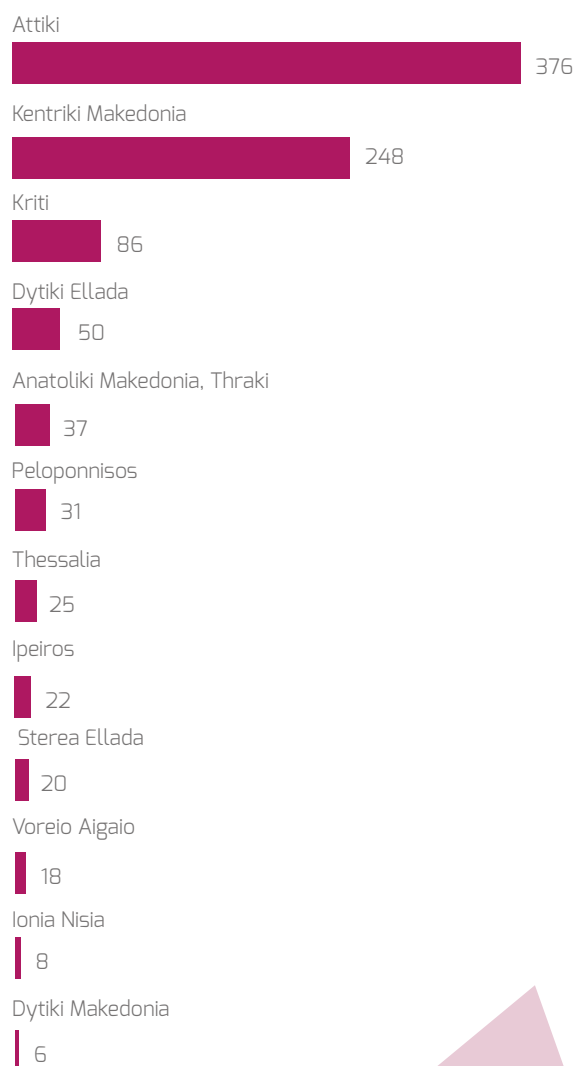
Trainers

NETWORKING ACTIVITIES IN GREECE

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→ €801,539.35

EXPERTISE OF PROPOSERS

Agricultural biotechnology	4	Law	9
Agriculture, Forestry, and Fisheries	48	Materials engineering	15
Animal and dairy science	3	Mathematics	6
Arts	6	Mechanical engineering	13
Basic medicine	7	Media and communications	5
Biological sciences	79	Medical biotechnology	6
Chemical engineering	33	Medical engineering	6
Chemical sciences	36	Nano-technology	6
Civil engineering	29	Other engineering and technologies	23
Clinical medicine	31	Other agricultural sciences	9
Computer and Information Sciences	68	Other humanities	8
Earth and related Environmental sciences	87	Other medical sciences	6
Economics and business	30	Other social sciences	5
Educational sciences	17	Philosophy, Ethics and Religion	4
Electrical engineering, electronic engineering,		Physical Sciences	27
Information engineering	70	Political Science	8
Environmental biotechnology	1	Psychology	16
Environmental engineering	34	Social and economic geography	11
Health Sciences	27	Sociology	10
History and Archeology	22	Veterinary science	12
Industrial biotechnology	4		
Languages and literature	10		
		Total	851

“We have made good progress in unifying this research area in Europe and we have also contributed on a global scale. This COST Action has helped to make Europe the primary player in this field.”

Prof Andreas Papapetropoulos, Professor of Pharmacology at the University of Athens

Hungary



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- National Research, Development and Innovation Affairs Office

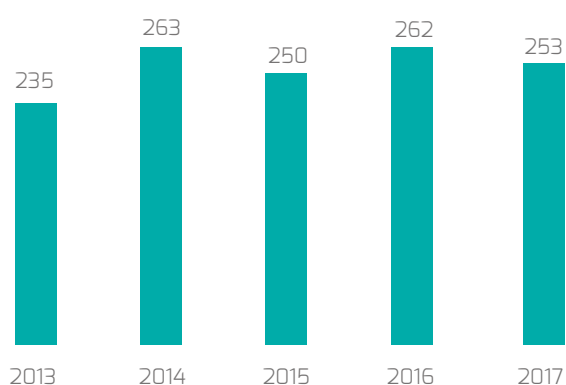


RUNNING ACTIONS LED BY HUNGARY

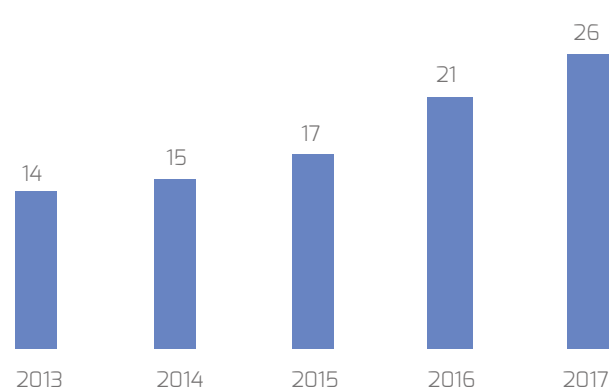
Examples of Chaired and Vice Chaired Actions

- > Molecules in motion (MOLIM)
- > Harmonization of UAS techniques for agricultural and natural ecosystems monitoring
- > Chemical elements as tracers of the evolution of the cosmos
- > Realising the therapeutic potential of novel cardioprotective therapies
- > A European network for connective tissue calcifying diseases

COUNTRY REPRESENTATION IN COST ACTIONS

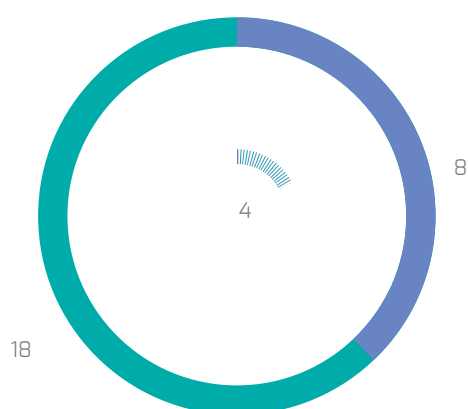


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

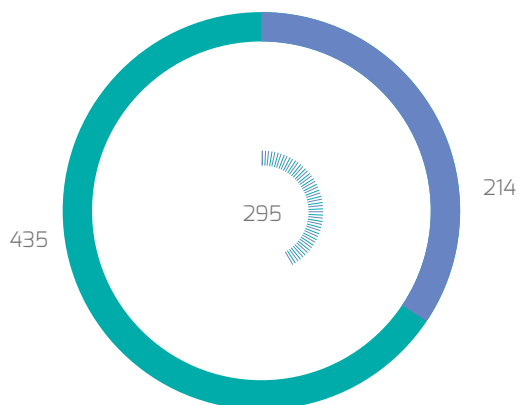


“This is one of the few European programmes that really provides an equal chance to researchers from any Member State to participate.”

Vera Istvanovi, Researcher, Budapest University of Technology and Economics

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

56

Short-term scientific missions

86

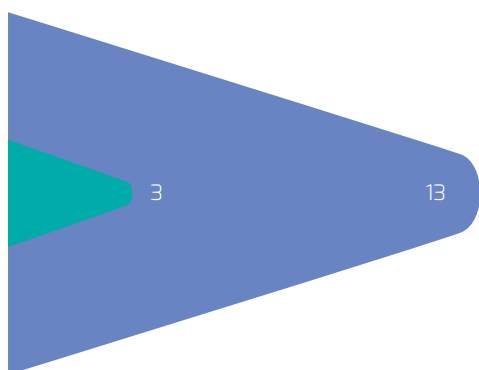
Trainees

10

Trainers

NETWORKING ACTIVITIES IN HUNGARY

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS

Közép-Magyarország



Dél-Alföld



Észak-Alföld



Nyugat-Dunántúl



Észak-Magyarország



Dél-Dunántúl



Közép-Dunántúl



BUDGET RECEIVED

→ €466,505.41

EXPERTISE OF PROPOSERS

Agricultural biotechnology	9	Materials engineering	4
Agriculture, Forestry, and Fisheries	24	Mathematics	15
Animal and dairy science	7	Mechanical engineering	6
Arts	8	Media and communications	2
Basic medicine	15	Medical biotechnology	3
Biological sciences	63	Medical engineering	2
Chemical engineering	7	Nano-technology	2
Chemical sciences	38	Other engineering and technologies	7
Civil engineering	14	Other agricultural sciences	7
Clinical medicine	24	Other humanities	5
Computer and Information Sciences	22	Other medical sciences	5
Earth and related Environmental sciences	34	Other social sciences	7
Economics and business	36	Philosophy, Ethics and Religion	5
Educational sciences	4	Physical Sciences	54
Electrical engineering, electronic engineering,		Political Science	11
Information engineering	22	Psychology	16
Environmental engineering	6	Social and economic geography	4
Health Sciences	12	Sociology	28
History and Archeology	24	Veterinary science	3
Industrial biotechnology	5		
Languages and literature	13		
Law	14		
		Total	587

“ A COST Action plays a fundamental role in overcoming Central and East European researchers’ isolation. During my participation, I learned how to tackle problems in a multidisciplinary manner. Being involved in two Actions helped me grow from an early-stage researcher into an established principal investigator. ”

Peter Nagy, Associate Professor,
National Institute of Oncology

Iceland



Statistical data refers to 2017



REPRESENTING INSTITUTIONS

- Ministry of Education, Science and Culture

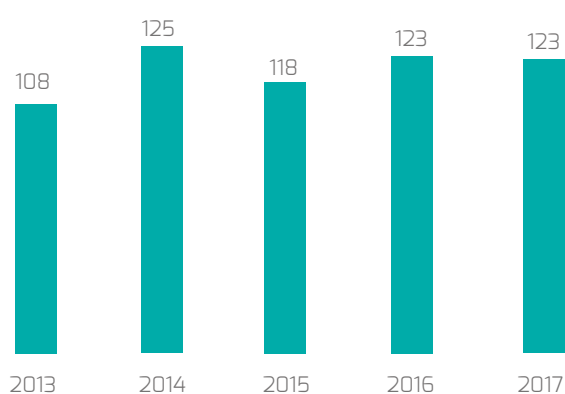


RUNNING ACTIONS LED BY ICELAND

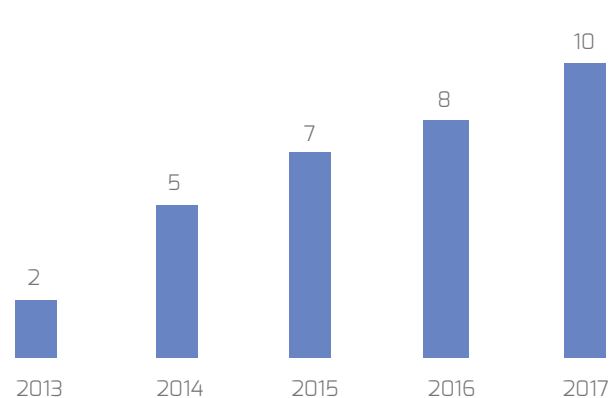
Examples of Chaired and Vice Chaired Actions

- > Enhancing children's oral language skills across Europe and beyond - a collaboration focusing on interventions for children with difficulties learning their first language

COUNTRY REPRESENTATION IN COST ACTIONS

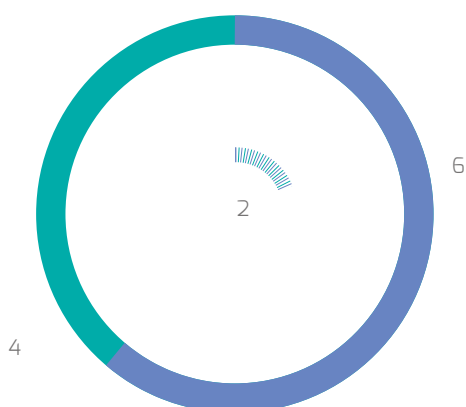


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

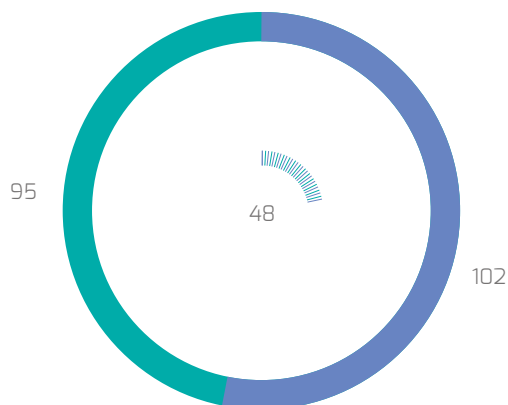


“COST has proved to be invaluable for us here in remote Iceland in terms of linking up with scientist from other parts of Europe who are working in various fields.”

Hlynur Oskarsson, Associate Professor,
Agricultural University of Iceland

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

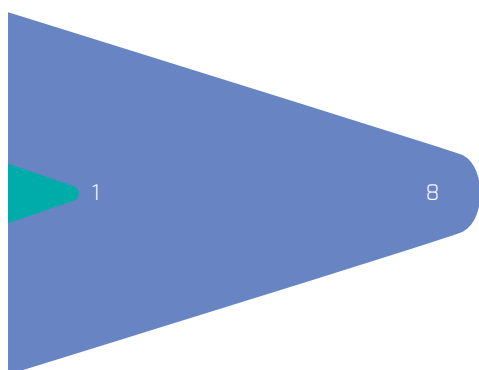
13
Short-term
scientific missions

11
Trainees

3
Trainers

NETWORKING ACTIVITIES IN ICELAND

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→
€185,912

EXPERTISE OF PROPOSERS

Agriculture, Forestry, and Fisheries	1	Languages and literature	6
Basic medicine	1	Law	3
Biological sciences	8	Mechanical engineering	1
Chemical sciences	6	Nano-technology	1
Civil engineering	6	Other engineering and technologies	1
Clinical medicine	2	Other humanities	1
Computer and Information Sciences	5	Other social sciences	4
Earth and related Environmental sciences	26	Philosophy, Ethics and Religion	4
Economics and business	1	Physical Sciences	4
Educational sciences	2	Political Science	4
Electrical engineering, electronic engineering,		Psychology	2
Information engineering	1	Sociology	6
Health Sciences	7		
History and Archeology	1	Total	104

“COST is a valuable instrument in the European Research Area. In my opinion, this is particularly important for smaller and far away nations such as Iceland. Both the scientific meetings and the short-term scientific missions are very important in this context, as they often initiate fruitful cooperation between groups from different countries.”

Valgerdur Edda Benediktsdottir,
Researcher, University of Iceland

Ireland



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

► Enterprise Ireland

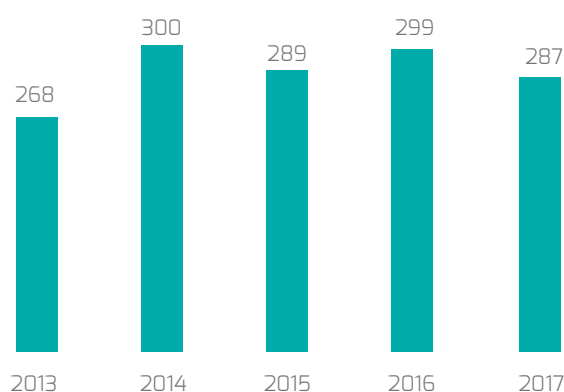


RUNNING ACTIONS LED BY IRELAND

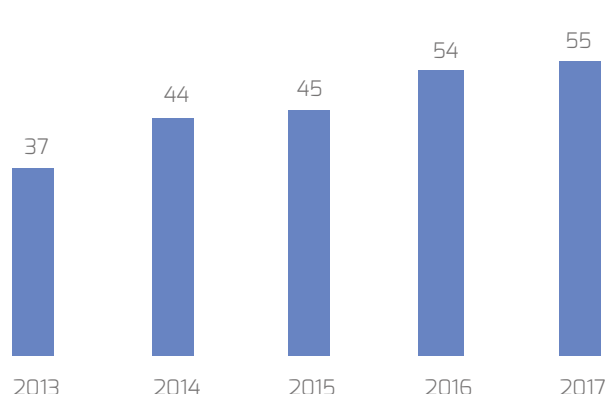
Examples of Chaired and Vice Chaired Actions

- > Gender and health impacts of policies extending working life in western countries
- > Advancing effective institutional models towards cohesive teaching, learning, research and writing development
- > European Network for the Joint Evaluation of Connected health Technologies ([ENJECT](#))
- > European platform for outcomes research into perioperative interventions during surgery for cancer
- > From sharing to caring: examining socio-technical aspects of the collaborative economy
- > C-H Activation in Organic Synthesis ([CHAOS](#))
- > High-performance modelling and simulation for big data applications ([cHiPSet](#))
- > European network of multidisciplinary research and translation of autophagy knowledge ([TRANSAUTOPHAGY](#))
- > Safety culture and risk management in agriculture
- > Reducing Old-age Social Exclusion: collaborations in research and policy ([ROSEnet](#))
- > Study Abroad Research in European Perspective ([SAREP](#))
- > European network for the promotion of portable, affordable and simple analytical platforms
- > Oceans Past Platform ([OPP](#))
- > Hooking together European research in atomic layer deposition ([HERALD](#))
- > From molecules to crystals - how do organic molecules form crystals? ([Crystallize](#))

COUNTRY REPRESENTATION IN COST ACTIONS

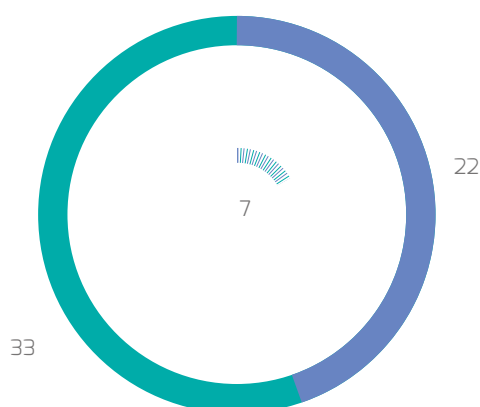


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

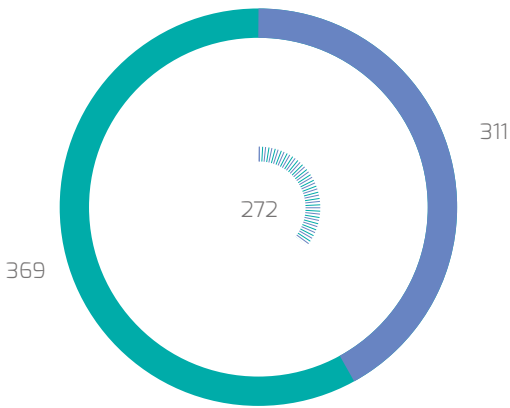


“COST Actions are key mechanisms for engaging researchers across the EU in collaborative ventures. They are of particular importance for new researchers and for those from small countries whose research structure is poorly developed. I do not know of any similar scheme that provides such an outcome from such limited resources.”

John Simmie, Full Professor,
National University of Ireland

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

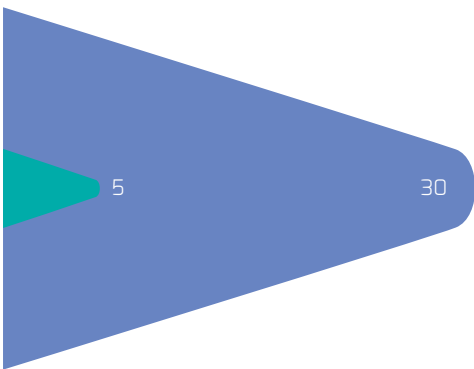
53
Short-term scientific missions

69
Trainees

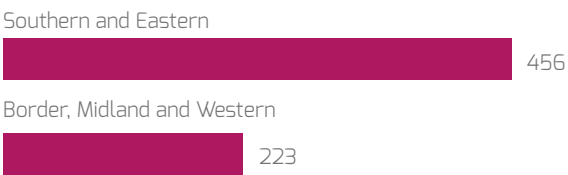
22
Trainers

NETWORKING ACTIVITIES IN IRELAND

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→
€ 510,550.16

EXPERTISE OF PROPOSERS

Agricultural biotechnology	1	Materials engineering	9
Agriculture, Forestry, and Fisheries	9	Mathematics	6
Animal and dairy science	9	Mechanical engineering	7
Arts	2	Media and communications	10
Basic medicine	10	Medical biotechnology	2
Biological sciences	48	Medical engineering	7
Chemical sciences	19	Nano-technology	8
Civil engineering	7	Other engineering and technologies	18
Clinical medicine	20	Other agricultural sciences	7
Computer and Information Sciences	43	Other humanities	2
Earth and related Environmental sciences	19	Other medical sciences	3
Economics and business	31	Other social sciences	12
Educational sciences	11	Philosophy, Ethics and Religion	3
Electrical engineering, electronic engineering,		Physical Sciences	23
Information engineering	22	Political Science	4
Environmental engineering	8	Psychology	23
Health Sciences	36	Social and economic geography	5
History and Archeology	11	Sociology	13
Industrial biotechnology	6	Veterinary science	3
Languages and literature	8		
Law	11	Total	496

“COST networks provide the ideal avenue for bringing experts together to engage in innovative research to address some of the pressing problems in society such as air pollution, global warming, drought, desertification and ultimately, climate change and global warming.”

Tine Ningal, Researcher, University College Dublin

Israel



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Science and Technology

RUNNING ACTIONS LED BY ISRAEL

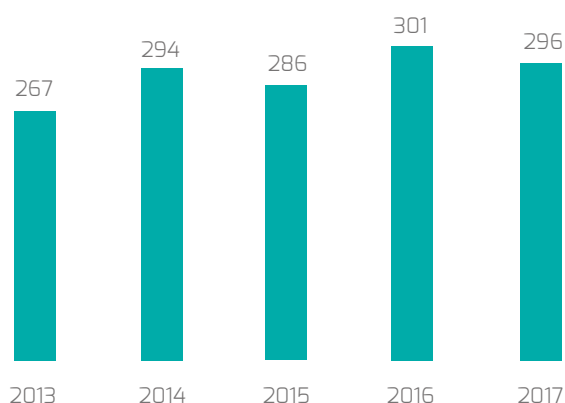
Examples of Chaired and Vice Chaired Actions

> Stem cells of marine/aquatic invertebrates: from basic research to innovative applications

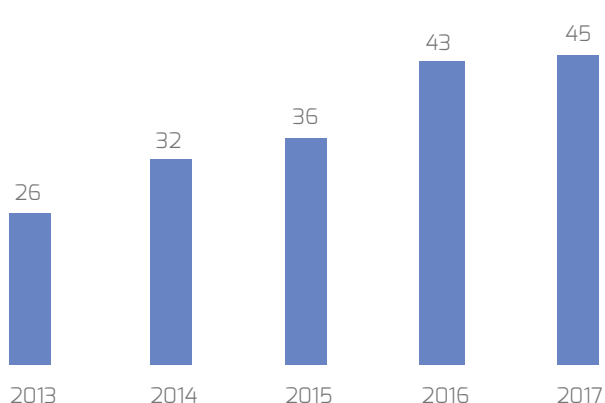
> European network for problematic usage of the internet

> Ageism - a multi-national, interdisciplinary perspective

COUNTRY REPRESENTATION IN COST ACTIONS

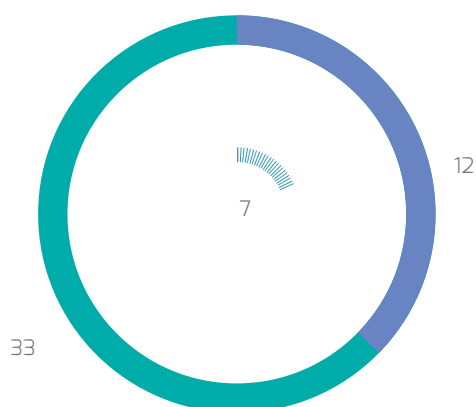


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

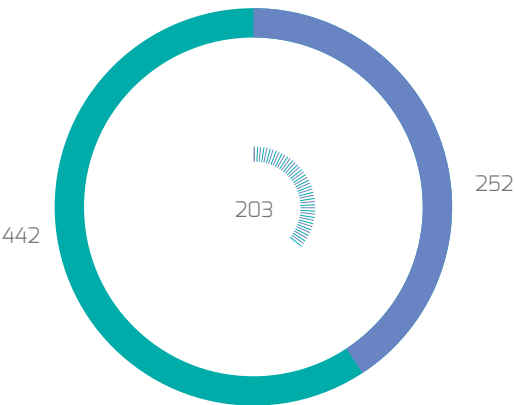


“COST networking activities in are a great platform for mutual introduction, fruitful technical brainstorming and for initiating joint R&D projects.”

Shai Essel, Researcher, Technion - Israel Institute of Metals

INDIVIDUAL PARTICIPATION IN ALL
ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

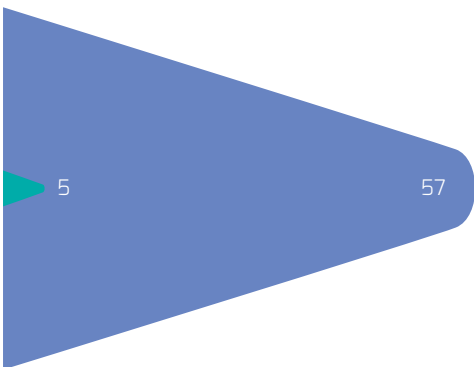
41
Short-term
scientific missions

77
Trainees

23
Trainers

NETWORKING ACTIVITIES IN ISRAEL

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGION



BUDGET RECEIVED

→
€ 656,822.6

EXPERTISE OF PROPOSERS

Agricultural biotechnology	9	Materials engineering	9
Agriculture, Forestry, and Fisheries	17	Mathematics	6
Arts	6	Mechanical engineering	2
Basic medicine	4	Media and communications	5
Biological sciences	81	Medical biotechnology	4
Chemical engineering	2	Medical engineering	6
Chemical sciences	16	Nano-technology	3
Civil engineering	5	Other engineering and technologies	7
Clinical medicine	19	Other agricultural sciences	2
Computer and Information Sciences	29	Other humanities	5
Earth and related Environmental sciences	39	Other medical sciences	1
Economics and business	7	Other social sciences	9
Educational sciences	4	Philosophy, Ethics and Religion	2
Electrical engineering, electronic engineering,		Physical Sciences	23
Information engineering	19	Political Science	4
Environmental biotechnology	1	Psychology	11
Environmental engineering	4	Social and economic geography	5
Health Sciences	7	Sociology	1
History and Archeology	5	Veterinary science	4
Industrial biotechnology	1		
Languages and literature	5	Total	392
Law	3		

“My colleagues, students and I have participated in numerous COST programmes. These have always been fruitful in increasing our understanding of European issues in our fields and in enhancing friendship and collaboration between scientists in different countries. I think the relationships developed between scientists in these programs are an important step in building a joint state in Europe, and I am proud to be part of that.”

Shabtai Cohen, Full Professor, Institute of Soil,
Water and Environmental Sciences

Italy



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education,
Universities and
Research

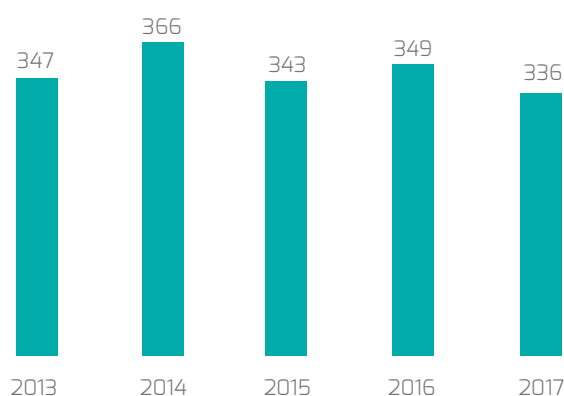


RUNNING ACTIONS LED BY ITALY

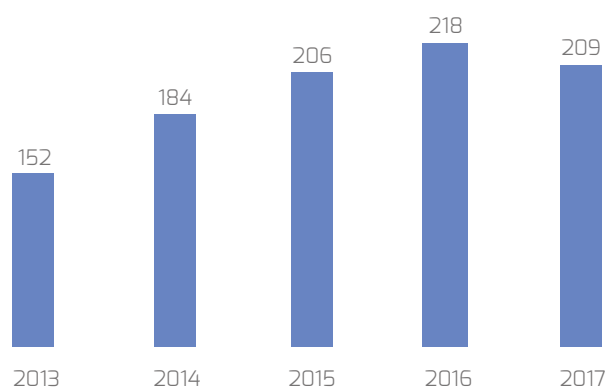
Examples of Chaired and Vice Chaired Actions

- > European epitranscriptomics network
- > Time dependent seismology ([TIDES](#))
- > Quantum technologies with ultra-cold atoms
- > Application of next generation sequencing for the study and diagnosis of plant viral diseases in agriculture
- > Quantum technologies in space
- > Uncovering the Mediterranean salt giant ([MEDSALT](#))
- > Challenging organic syntheses inspired by nature - from natural products chemistry to drug discovery
- > Modifying plants to produce interfering RNA
- > Rethinking Sustainability TOWards a Regenerative Economy ([RESTORE](#))
- > Hooking together European research in atomic layer deposition ([HERALD](#))
- > Performance and reliability of photovoltaic systems: evaluations of large-scale monitoring data
- > European network for translational research in children's and adult interstitial lung disease
- > Mitochondrial mapping: evolution - age - gender - lifestyle - environment
- > Memristors - devices, models, circuits, systems and applications ([MemoCIS](#))
- > Raman-based applications for clinical diagnostics ([Raman4clinics](#))
- > Nanoscale coherent hybrid devices for superconducting quantum technologies
- > Biomaterials and advanced physical techniques for regenerative cardiology and neurology
- > Professionalization and social Impact of European political science

COUNTRY REPRESENTATION IN COST ACTIONS

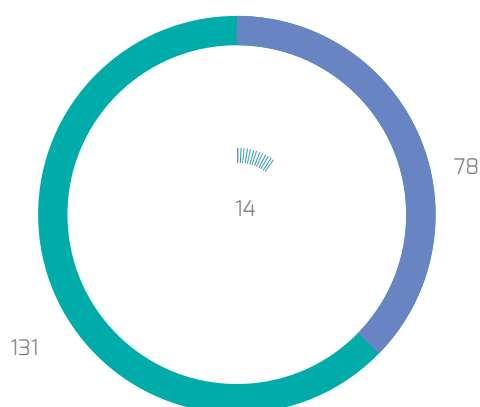


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

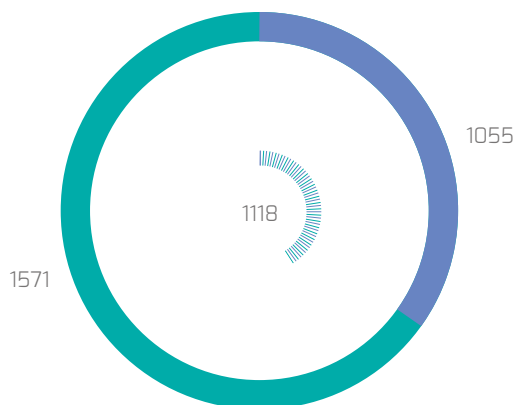


“COST Actions are one of the few instruments creating and consolidating networks of scientists and practitioners without encouraging harsh competition among research groups. This is why COST Actions help increase quality and capacity on the basis of building social capital.”

Laura Secco, Associate Professor –
University of Padova

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

248

Short-term scientific missions

337

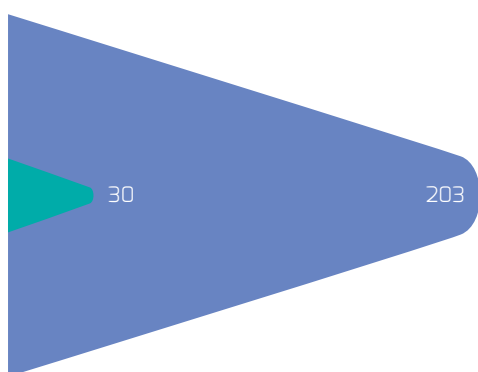
Trainees

116

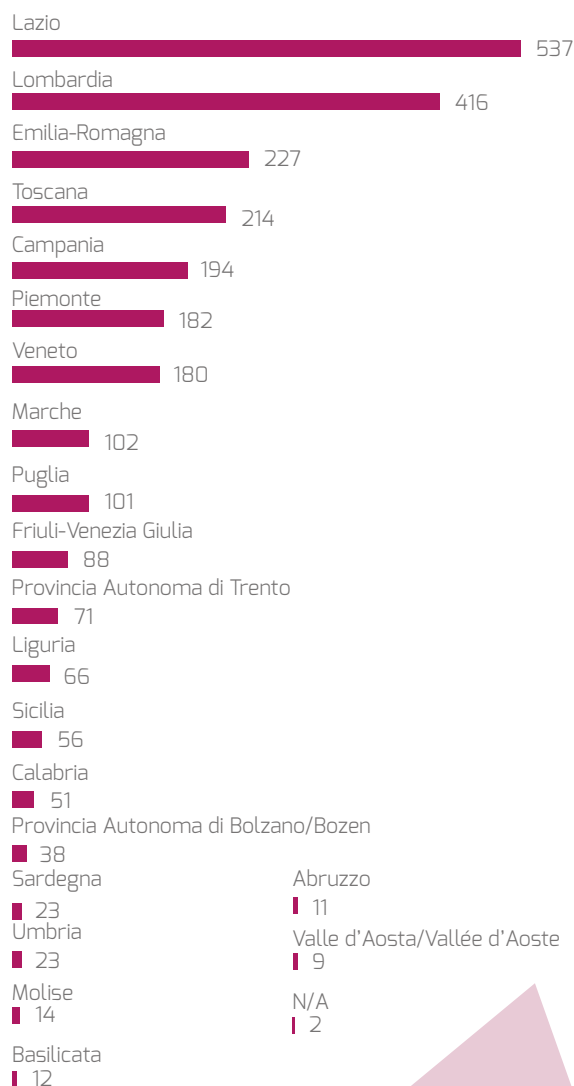
Trainers

NETWORKING ACTIVITIES IN ITALY

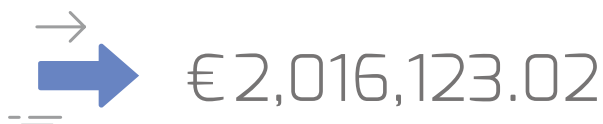
■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED



EXPERTISE OF PROPOSERS

Agricultural biotechnology	34	Law	50
Agriculture, Forestry, and Fisheries	154	Materials engineering	31
Animal and dairy science	28	Mathematics	55
Arts	15	Mechanical engineering	41
Basic medicine	35	Media and communications	14
Biological sciences	278	Medical biotechnology	32
Chemical engineering	20	Medical engineering	29
Chemical sciences	220	Nano-technology	31
Civil engineering	67	Other engineering and technologies	45
Clinical medicine	136	Other agricultural sciences	35
Computer and Information Sciences	137	Other humanities	15
Earth and related Environmental sciences	182	Other medical sciences	11
Economics and business	161	Other social sciences	19
Educational sciences	14	Philosophy, Ethics and Religion	40
Electrical engineering, electronic engineering,		Physical Sciences	210
Information engineering	169	Political Science	34
Environmental biotechnology	3	Psychology	49
Environmental engineering	63	Social and economic geography	21
Health Sciences	83	Sociology	46
History and Archeology	35	Veterinary science	8
Industrial biotechnology	5		
Languages and literature	31		
		Total	2686

“The scientific and technological network that we created during the COST Action included several people with high competencies, straddling different ‘areas’ within the textile world. The obtained results clearly demonstrate the high level of competency within the network.”

Dr Giulio Malucelli, Associate Professor of Material Science and Technology, Politecnico di Torino, Italy

Latvia



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education and Science
- Latvian Academy of Sciences

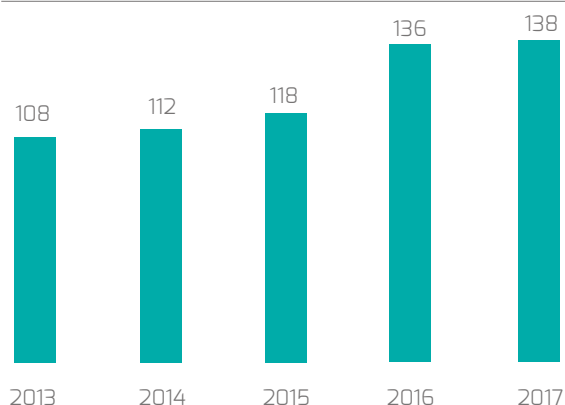


RUNNING ACTIONS LED BY LATVIA

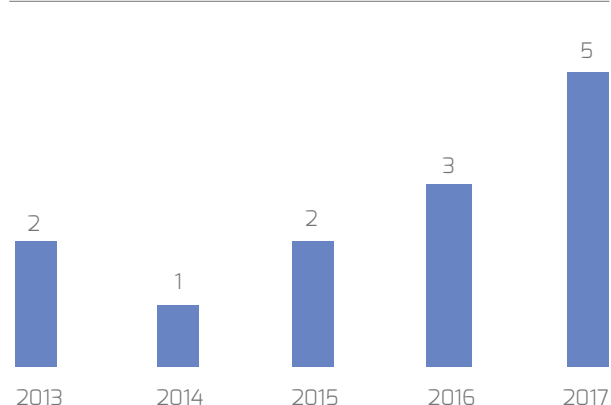
Examples of Chaired and Vice Chaired Actions

> European network on myalgic encephalomyelitis/chronic fatigue syndrome ([EUROMENE](#))

COUNTRY REPRESENTATION IN COST ACTIONS

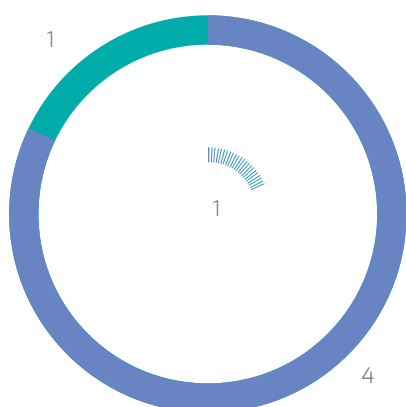


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

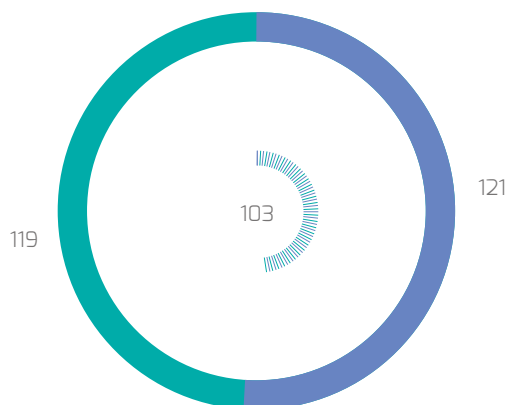


“Transnational cooperation and collaboration among researchers, engineers and scholars is the most important aspect for developing new ideas, exchange thoughts and foster innovation.”

Druvis Kleinns, PhD student, University of Latvia

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

10

Short-term scientific missions

27

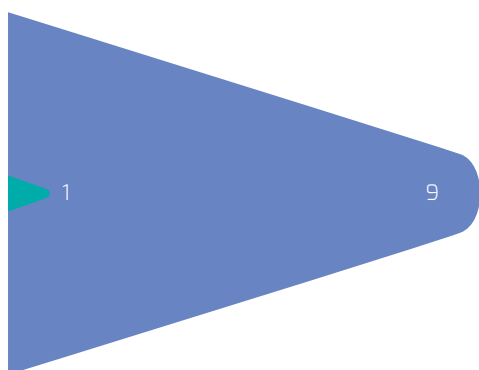
Trainees

6

Trainers

NETWORKING ACTIVITIES IN LATVIA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGION

Latvija



BUDGET RECEIVED

→ €184,607.51

EXPERTISE OF PROPOSERS

Agriculture, Forestry, and Fisheries	4	Law	5
Arts	2	Materials engineering	13
Basic medicine	1	Media and communications	6
Biological sciences	18	Medical biotechnology	1
Chemical engineering	3	Medical engineering	5
Chemical sciences	12	Nano-technology	1
Civil engineering	6	Other engineering and technologies	4
Clinical medicine	11	Other humanities	4
Computer and Information Sciences	12	Philosophy, Ethics and Religion	5
Earth and related Environmental sciences	7	Physical Sciences	15
Economics and business	6	Political Science	8
Educational sciences	1	Psychology	3
Electrical engineering, electronic engineering,		Social and economic geography	3
Information engineering	4	Sociology	4
Environmental engineering	8	Veterinary science	5
Health Sciences	9		
Industrial biotechnology	1		
Languages and literature	5		
		Total	192

“COST is an important tool to promote and establish connections between researchers and engineers. It is the best way to connect with people who work on the same topic and same problems across Europe.”

Gita Sakale, PhD student, Researcher, Riga Technical University

Lithuania



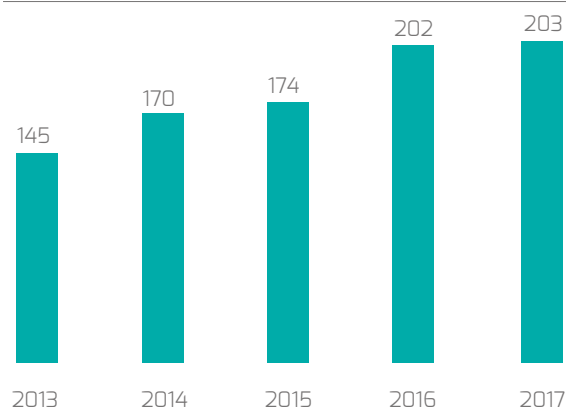
Statistical data refers to 2017

REPRESENTING INSTITUTIONS

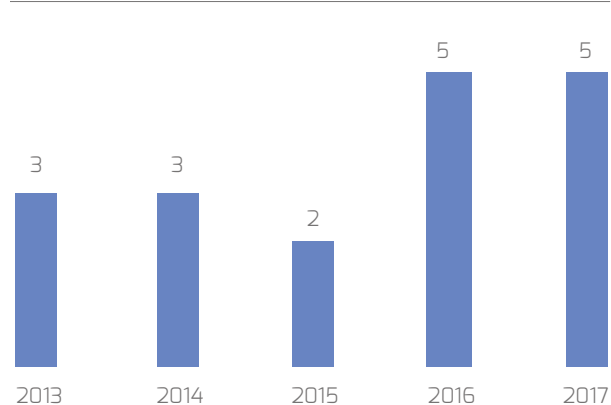
- Ministry of Education and Science
- Research Council of Lithuania



COUNTRY REPRESENTATION IN COST ACTIONS

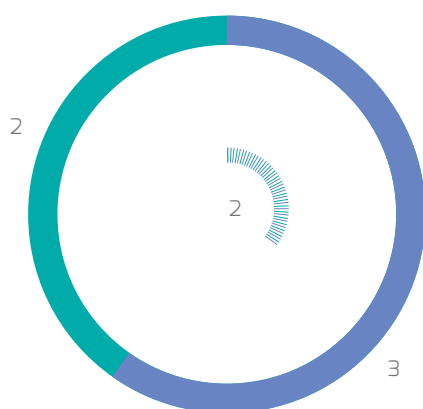


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

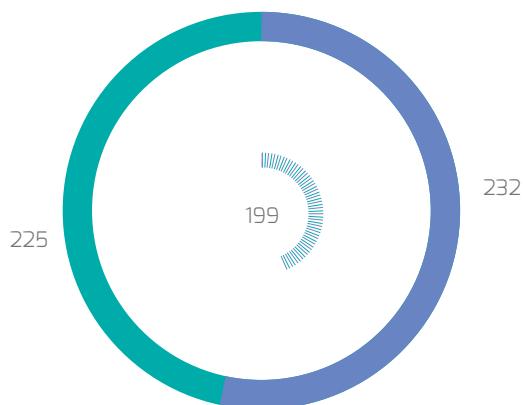


“COST Actions are the best instrument to gather knowledge that is spread in numerous publications on various fields. The Actions present the best opportunity for interdisciplinary and international discussion, which may lead (and generally does) to novel ideas and wider scientific cooperation.”

Jurga Motiejūnaitė, Researcher,
Nature Research Centre, Vilnius

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

26

Short-term scientific missions

65

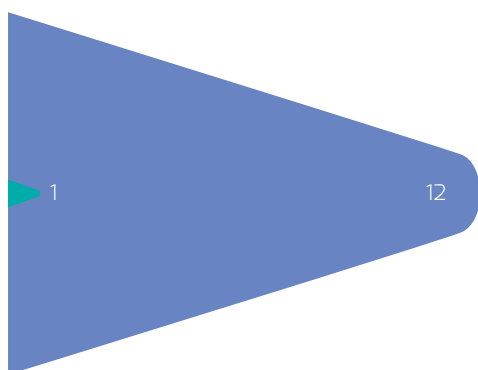
Trainees

4

Trainers

NETWORKING ACTIVITIES IN LITHUANIA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGION

Lietuva



BUDGET RECEIVED

→ €355,385.02

“Without the COST Action’s support, I would have not gained such valuable experience, nor noticed the possibilities for improvement. Thanks to the COST Action, I presented new ideas and remarks at the laboratory I am responsible for, which allowed us to become more efficient.”

Baltramiejus Jakštys, PhD student, Vytautas Magnus University

EXPERTISE OF PROPOSERS

Agricultural biotechnology	1	Languages and literature	5
Agriculture, Forestry, and Fisheries	12	Law	6
Animal and dairy science	1	Materials engineering	15
Arts	6	Mathematics	6
Basic medicine	5	Mechanical engineering	2
Biological sciences	31	Media and communications	13
Chemical engineering	4	Nano-technology	4
Chemical sciences	2	Other engineering and technologies	4
Civil engineering	12	Other humanities	4
Clinical medicine	18	Other social sciences	5
Computer and Information Sciences	4	Philosophy, Ethics and Religion	2
Earth and related Environmental sciences	17	Physical Sciences	12
Economics and business	26	Political Science	9
Educational sciences	21	Psychology	6
Electrical engineering, electronic engineering,		Social and economic geography	1
Information engineering	6	Sociology	4
Environmental engineering	9	Veterinary science	3
Health Sciences	13		
History and Archeology	5	Total	295
Industrial biotechnology	1		

“I am a young researcher and the COST programme is, for me, a stable and reliable tool that allows me to be part of the scientific community.”

Mantas Šilkūnas, PhD student, Vytautas Magnus University

Luxembourg



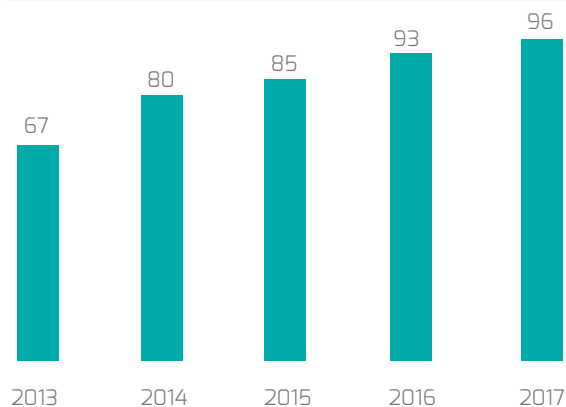
Statistical data refers to 2017

REPRESENTING INSTITUTIONS

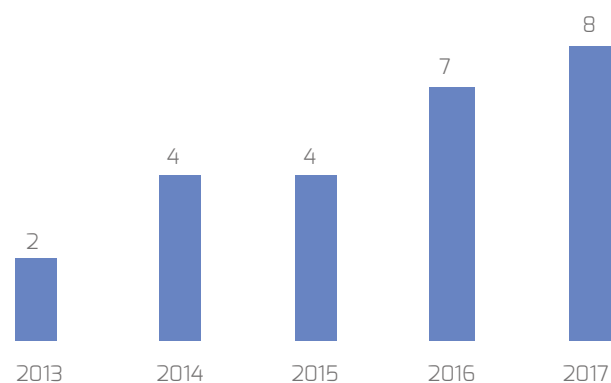
- Ministry of Higher Education and Research
- National Research Fund -FNR



COUNTRY REPRESENTATION IN COST ACTIONS

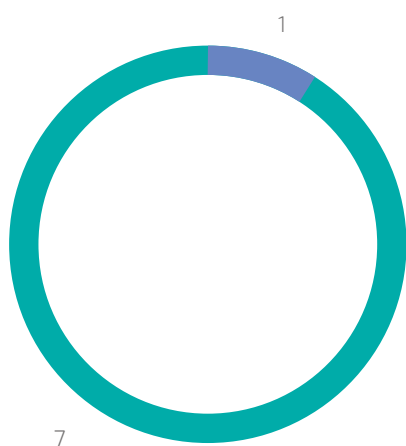


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men

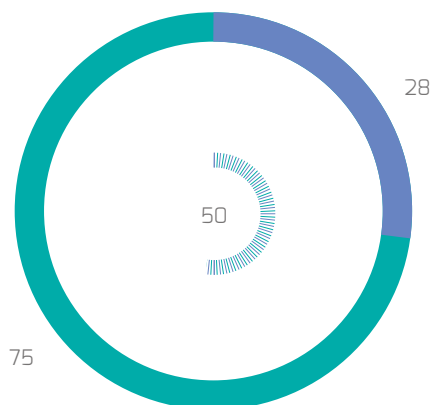


“I strongly believe COST Actions are a unique way to allow the formation of strong and effective consortia to secure relevant scientific advancements in every field of research.”

Antonino Marvuglia, Researcher,
Luxembourg Institute of Science and Technology

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

3

Short-term scientific missions

4

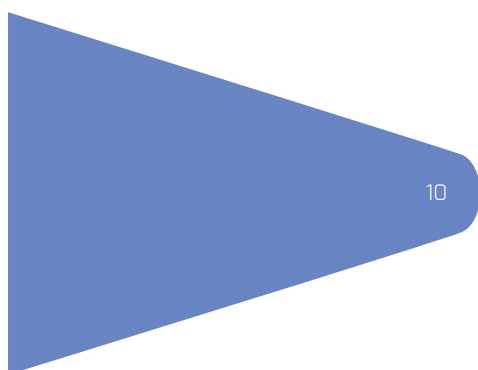
Trainees

1

Trainers

NETWORKING ACTIVITIES IN LUXEMBOURG

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGION

Luxembourg



BUDGET RECEIVED

→ € 69,205.19

“Scientific research is very important for a balanced and motivated policymaking on a national and European level.”

Weirich Malou, Office International du Coin de Terre et des Jardins Familiaux

EXPERTISE OF PROPOSERS

Animal and dairy science	1	Materials engineering	8
Basic medicine	6	Mathematics	6
Biological sciences	21	Mechanical engineering	6
Chemical engineering	1	Nano-technology	9
Chemical sciences	2	Other engineering and technologies	5
Civil engineering	4	Other agricultural sciences	1
Clinical medicine	6	Other humanities	1
Computer and Information Sciences	34	Other medical sciences	1
Earth and related Environmental sciences	10	Other social sciences	3
Economics and business	4	Philosophy, Ethics and Religion	3
Educational sciences	2	Physical Sciences	8
Electrical engineering, electronic engineering,		Political Science	6
Information engineering	8	Psychology	6
Environmental engineering	5	Social and economic geography	4
Health Sciences	4	Veterinary science	1
History and Archeology	5		
Languages and literature	3	Total	188
Law	4		

“ COST is a fundamental piece of science progress in Europe and outside, and one of the best instruments to enable knowledge sharing, increasing scientific networks and dissemination activities. This allows science outputs to be translated into concrete actions to support the transition towards a better society. ”

Benedetto Rugani, Researcher, Luxembourg Institute of Science and Technology

fYR Macedonia



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education and Science

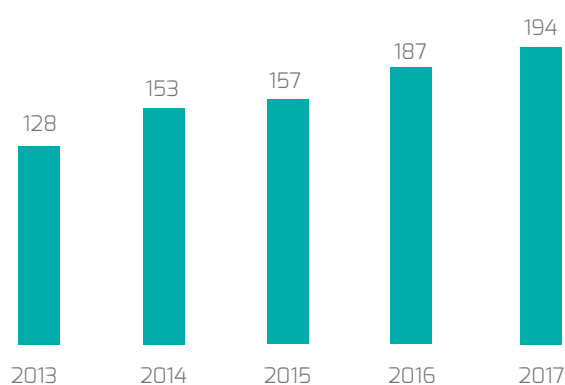


RUNNING ACTIONS LED BY FYR MACEDONIA

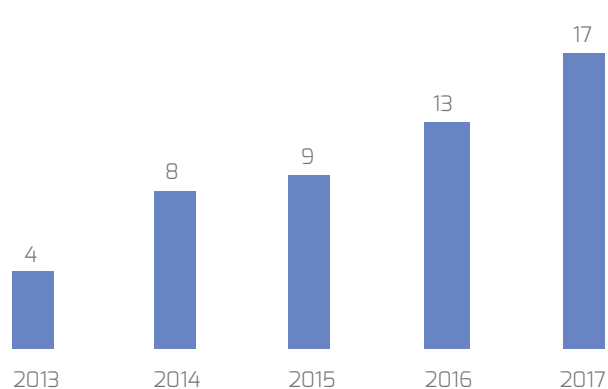
Examples of Chaired and Vice Chaired Actions

- > A global network of nurseries as early warning system against alien tree pests (global warning)
- > Open multiscale systems medicine ([OpenMultiMed](#))
- > Mathematical and computer science methods for food science and industry ([FoodMC](#))

COUNTRY REPRESENTATION IN COST ACTIONS

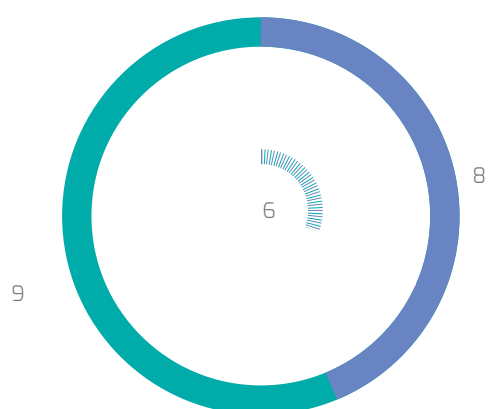


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

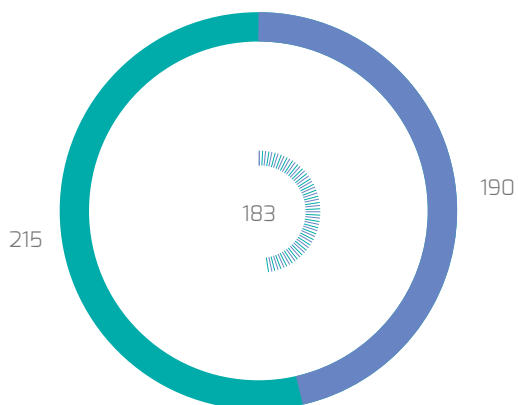


“COST Actions are more than valuable for small and developing countries like Macedonia.”

Elisaveta Stikova, Full Professor, Ss. Cyril and Methodius University

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

25

Short-term scientific missions

34

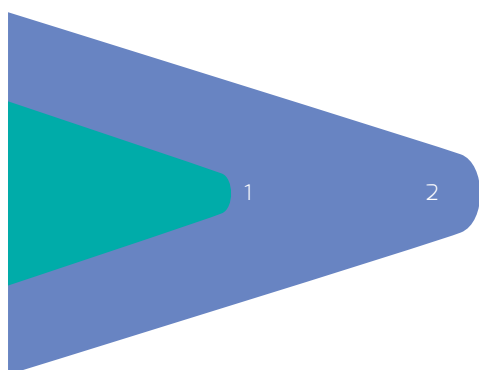
Trainees

2

Trainers

NETWORKING ACTIVITIES IN FYR MACEDONIA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGION

Poranešna jugoslovenska Republika Makedonija



BUDGET RECEIVED

→ €329,770.67

EXPERTISE OF PROPOSERS

Agricultural biotechnology	3	Languages and literature	3
Agriculture, Forestry, and Fisheries	8	Law	7
Animal and dairy science	2	Materials engineering	8
Arts	2	Mathematics	2
Basic medicine	1	Mechanical engineering	3
Biological sciences	8	Media and communications	2
Chemical sciences	3	Medical biotechnology	1
Civil engineering	15	Medical engineering	1
Clinical medicine	10	Other engineering and technologies	9
Computer and Information Sciences	40	Other humanities	1
Earth and related Environmental sciences	2	Other social sciences	2
Economics and business	10	Philosophy, Ethics and Religion	2
Educational sciences	1	Physical Sciences	9
Electrical engineering, electronic engineering,		Political Science	8
Information engineering	13	Psychology	3
Environmental engineering	1	Sociology	2
Health Sciences	6	Veterinary science	9
History and Archeology	1		
Industrial biotechnology	1	Total	199

“COST is possibly one of the few EU programmes that deeply unite EU Member Countries with Candidate Countries and other Neighbouring Countries. For many scientists from undeveloped countries, COST is probably the only way to connect to fellow colleagues from developed countries, increasing collaboration, and decreasing the divide between Northern and Southern Europe.”

Blagoj Delipetrev, Assistant Professor, Goce Delčev University

Malta



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- The Malta Council for Science and Technology



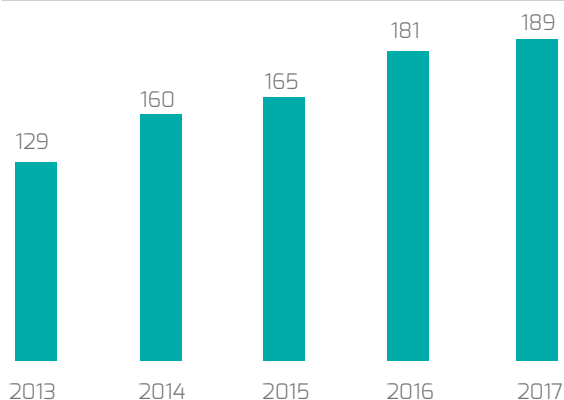
RUNNING ACTIONS LED BY MALTA

Examples of Chaired and Vice Chaired Actions

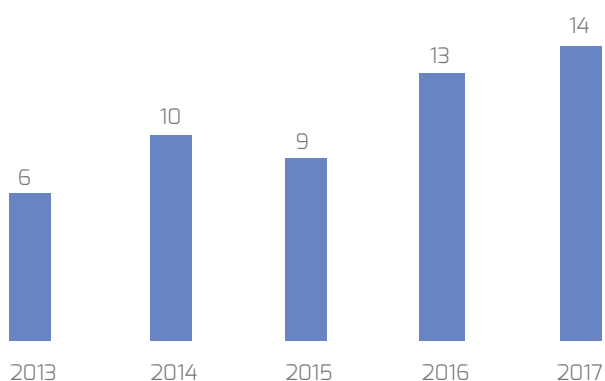
> European Network for the Joint Evaluation of Connected health Technologies ([ENJECT](#))

> Magnetic resonance imaging biomarkers for chronic kidney disease

COUNTRY REPRESENTATION IN COST ACTIONS

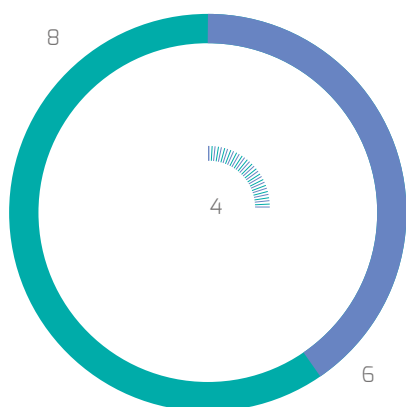


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

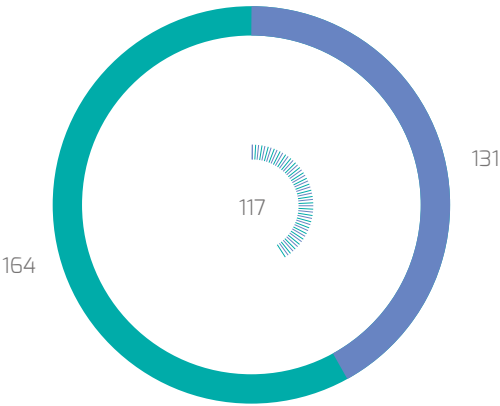


“COST Actions provide excellent platforms to connect with like-minded people and facilitate teamwork across countries.”

Cynthia Farrugia Jones, Senior Lecturer and Consultant,
University of Malta

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

Women Men Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

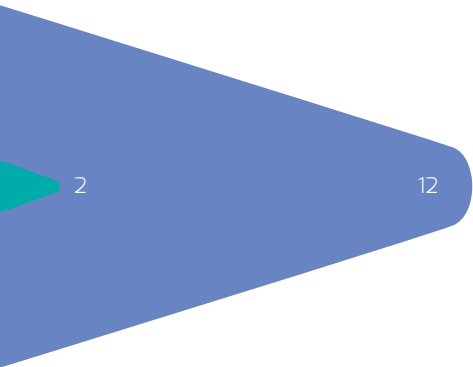
11
Short-term scientific missions

19
Trainees

8
Trainers

NETWORKING ACTIVITIES IN MALTA

Short-term scientific missions Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→ €221,327.63

EXPERTISE OF PROPOSERS

Agricultural biotechnology	5	Materials engineering	10
Agriculture, Forestry, and Fisheries	5	Mathematics	4
Arts	1	Mechanical engineering	6
Basic medicine	4	Media and communications	4
Biological sciences	21	Medical biotechnology	2
Chemical sciences	7	Nano-technology	1
Clinical medicine	11	Other engineering and technologies	1
Computer and Information Sciences	20	Other agricultural sciences	2
Earth and related Environmental sciences	10	Other humanities	3
Economics and business	5	Other medical sciences	5
Educational sciences	5	Other social sciences	5
Electrical engineering, electronic engineering,		Philosophy, Ethics and Religion	1
Information engineering	9	Physical Sciences	10
Environmental engineering	4	Political Science	2
Health Sciences	16	Psychology	5
History and Archeology	6	Sociology	3
Industrial biotechnology	1		
Languages and literature	1		
Law	6		
		Total	201

“COST is a major stakeholder and driving leader of European advancement in science and technology. COST has a demonstrable value and economic impact, which strengthens the EU's competitiveness and its internal unity.”

Larry J. Shoemaker, Visiting Lecturer, University of Malta

Montenegro



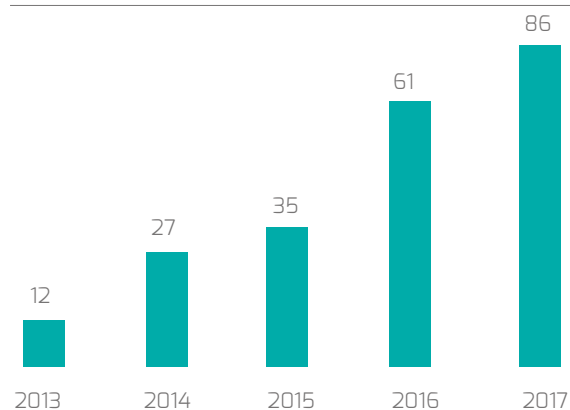
Statistical data refers to 2017

REPRESENTING INSTITUTIONS

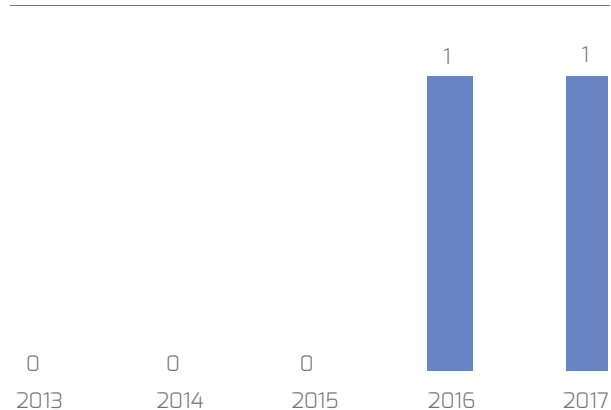
► Ministry of Science



COUNTRY REPRESENTATION IN COST ACTIONS

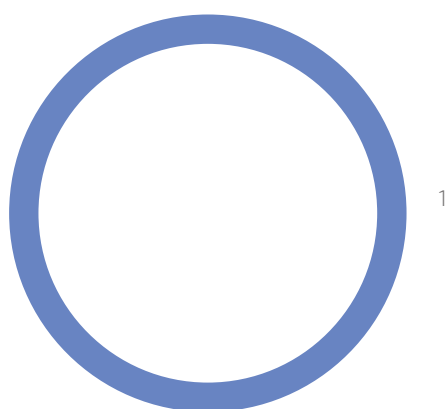


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women

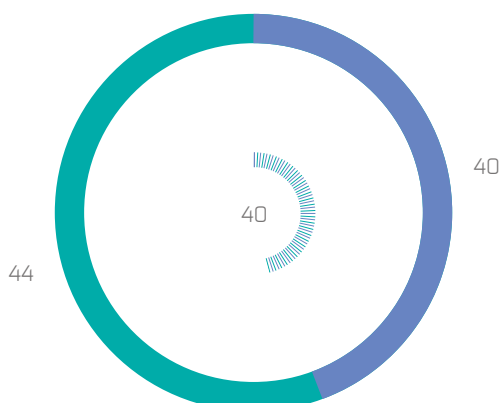


“I collaborated with great researchers in Europe which led me to write a book chapter on hardware security for Springer. I was also awarded a national project that will help me and PhD students to buy equipment to make robots and participate in international conferences.”

Milena Djukanovic, Assistant Professor at the University of Montenegro - Faculty of Electrical Engineering

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



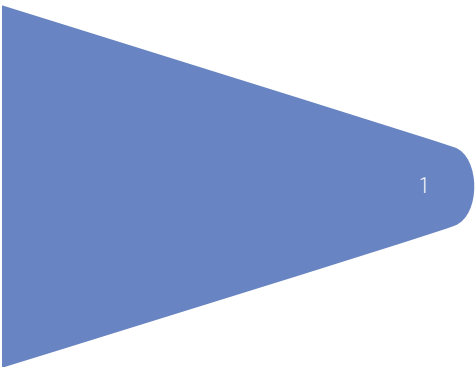
PARTICIPATION IN NETWORKING ACTIVITIES

4
Short-term
scientific missions

8
Trainees

NETWORKING ACTIVITIES IN MONTENEGRO

■ Short-term scientific missions



PARTICIPATION PER COUNTRY REGION



BUDGET RECEIVED



EXPERTISE OF PROPOSERS

Agricultural biotechnology	1	Languages and literature	3
Agriculture, Forestry, and Fisheries	4	Law	1
Arts	3	Materials engineering	1
Biological sciences	9	Mathematics	1
Chemical sciences	4	Media and communications	1
Civil engineering	2	Nano-technology	1
Clinical medicine	4	Other engineering and technologies	1
Computer and Information Sciences	4	Other agricultural sciences	3
Earth and related Environmental sciences	1	Other social sciences	1
Economics and business	2	Physical Sciences	2
Educational sciences	2	Political Science	3
Electrical engineering, electronic engineering,		Sociology	2
Information engineering	7	Veterinary science	3
Environmental engineering	1		
History and Archeology	2	Total	69

The Netherlands



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education, Culture and Science

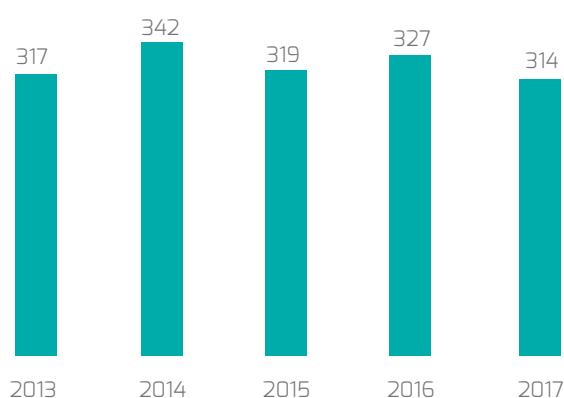


RUNNING ACTIONS LED BY THE NETHERLANDS

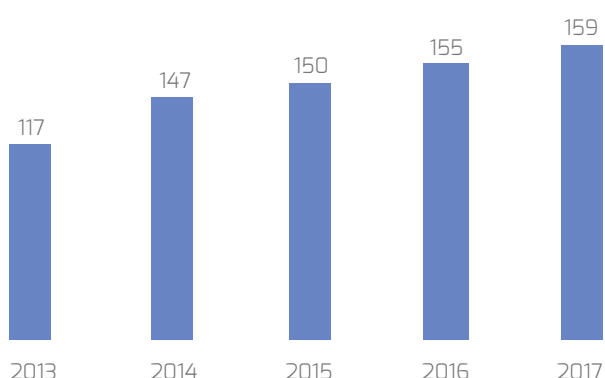
Examples of Chaired and Vice Chaired Actions

- > Evolution of reading in the age of digitisation ([E-READ](#))
- > Performance and reliability of photovoltaic systems: evaluations of large-scale monitoring data
- > Citizen science to promote creativity, scientific literacy, and innovation throughout Europe
- > Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production
- > Synergy for preventing damaging behaviour in group housed pigs and chickens ([GroupHouseNet](#))
- > LEukaemia GENE Discovery by data sharing, mining and collaboration
- > Anti-Microbial Coating Innovations to prevent infectious diseases ([AMICI](#))
- > European cleft and craniofacial initiative for equality in care
- > European network on brain malformations
- > Drylands facing change: interdisciplinary research on climate change, food insecurity, political instability
- > Open multiscale systems medicine ([OpenMultiMed](#))
- > The European research network on types for programming and verification ([EUTYPES](#))
- > Our astro-chemical history
- > European Network for Research Evaluation in the Social Sciences and the Humanities ([ENRESSH](#))
- > Improving Allergy Risk Assessment Strategy for new food proteins ([ImpARAS](#))
- > Control of human pathogenic micro-organisms in plant production systems
- > Epigenetic chemical biology ([EPICHEM](#))
- > European network for game theory

COUNTRY REPRESENTATION IN COST ACTIONS

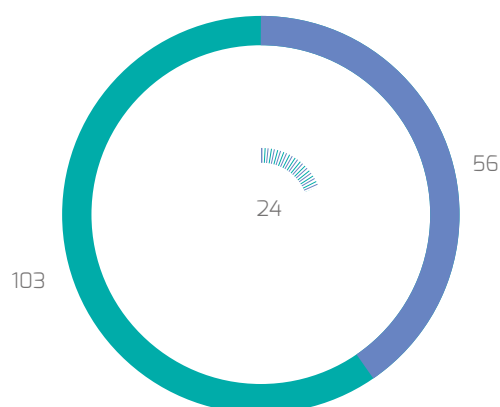


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

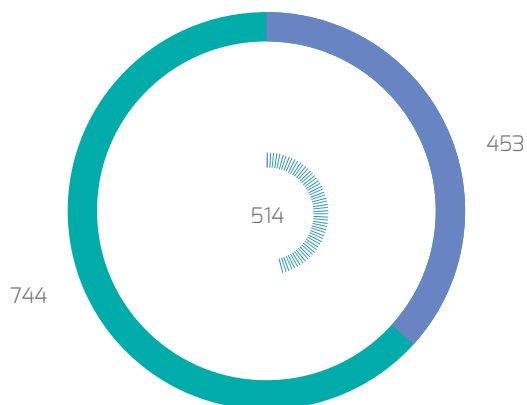


“COST is needed for knowledge sharing, for coordinating research questions and to avoid duplicating efforts, as well as for transferring knowledge to future generations.”

Kathinka Friquin, Researcher, SINTEF

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

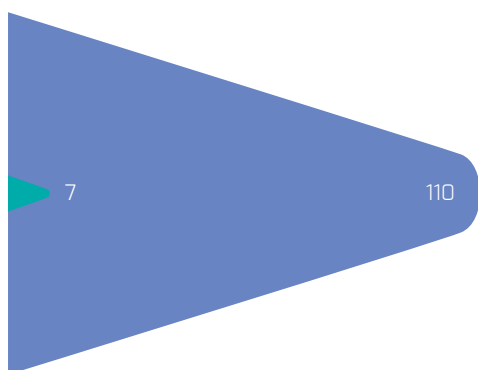
77
Short-term
scientific missions

100
Trainees

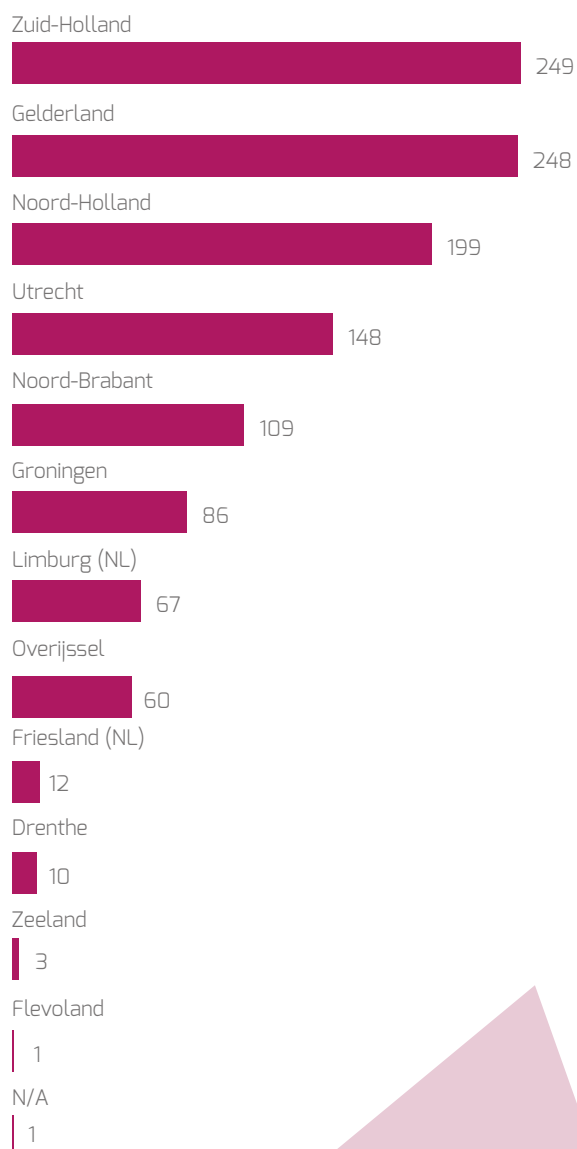
67
Trainers

NETWORKING ACTIVITIES IN THE NETHERLANDS

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→
€ 840,656.35

EXPERTISE OF PROPOSERS

Agricultural biotechnology	2	Law	47
Agriculture, Forestry, and Fisheries	25	Materials engineering	13
Animal and dairy science	21	Mathematics	23
Arts	14	Mechanical engineering	13
Basic medicine	30	Media and communications	17
Biological sciences	153	Medical biotechnology	13
Chemical engineering	12	Medical engineering	11
Chemical sciences	73	Nano-technology	7
Civil engineering	22	Other engineering and technologies	21
Clinical medicine	83	Other agricultural sciences	15
Computer and Information Sciences	84	Other humanities	24
Earth and related Environmental sciences	70	Other medical sciences	12
Economics and business	46	Other social sciences	21
Educational sciences	8	Philosophy, Ethics and Religion	22
Electrical engineering, electronic engineering,		Physical Sciences	73
Information engineering	30	Political Science	29
Environmental biotechnology	2	Psychology	42
Environmental engineering	18	Social and economic geography	13
Health Sciences	85	Sociology	20
History and Archeology	19	Veterinary science	9
Industrial biotechnology	8		
Languages and literature	22	Total	1270

“COST facilitates a unique cooperation among European researchers and developers of new technologies. COST’s multidisciplinary character provides an added value, as it forces us to look at professionals’ needs and experiences in applying technologies from a user’s perspective, incorporating data from research. And COST gives early-stage researchers a platform to learn alongside others.”

Rianne Jansens, Researcher, Zuyd University

Norway



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

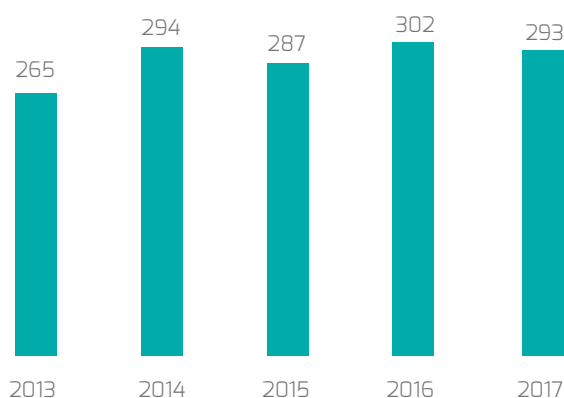
- Research Council
Norway

RUNNING ACTIONS LED BY NORWAY

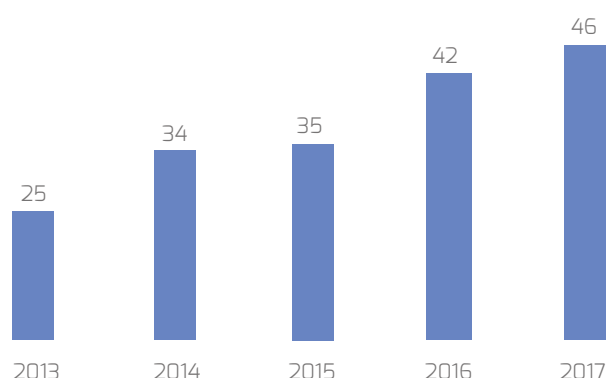
Examples of Chaired and Vice Chaired Actions

- > The comet assay as a human biomonitoring tool ([hCOMET](#))
- > Synergy for preventing damaging behaviour in group housed pigs and chickens ([GroupHouseNet](#))
- > Evolution of reading in the age of digitisation ([E-READ](#))
- > Network on the coordination and harmonisation of European occupational cohorts
- > Basis of structural timber design - from research to standards
- > International ethnic and immigrant minorities' survey data network
- > A European network for FoodBorne Parasites ([Euro-FBP](#))
- > Gene regulation ensemble effort for the knowledge commons
- > The digital literacy and multimodal practices of young children ([DigiLitEY](#))
- > European network on individualized psychotherapy treatment of young people with mental disorders
- > Renewable energy and landscape quality ([RELY](#))
- > Marine gas hydrate - an indigenous resource of natural gas for Europe ([MIGRATE](#))
- > Runtime verification beyond monitoring ([ARVI](#))

COUNTRY REPRESENTATION IN COST ACTIONS

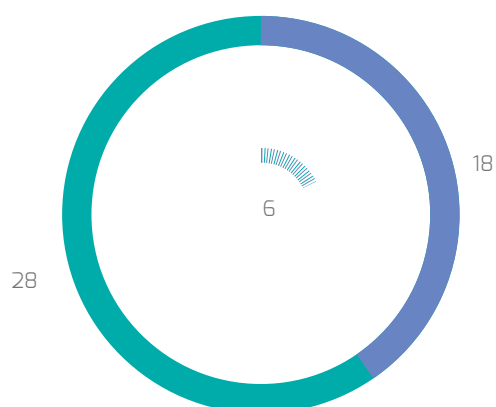


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

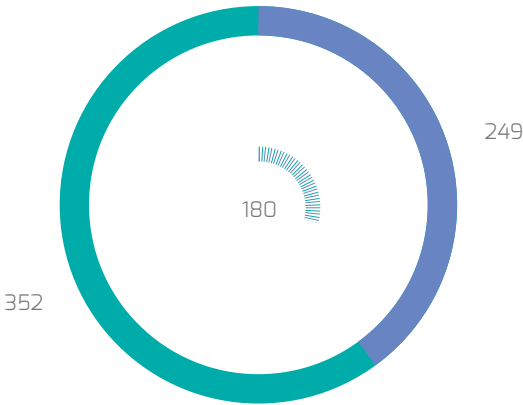


“COST is needed for knowledge sharing, for coordinating research questions and to avoid duplicating efforts, as well as for transferring knowledge to future generations.”

Kathinka Friquin, Researcher, SINTEF

INDIVIDUAL PARTICIPATION IN ALL
ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

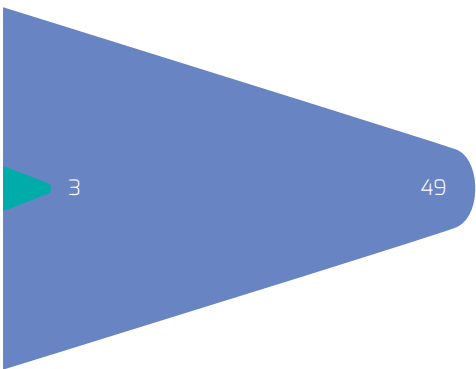
32
Short-term
scientific missions

47
Trainees

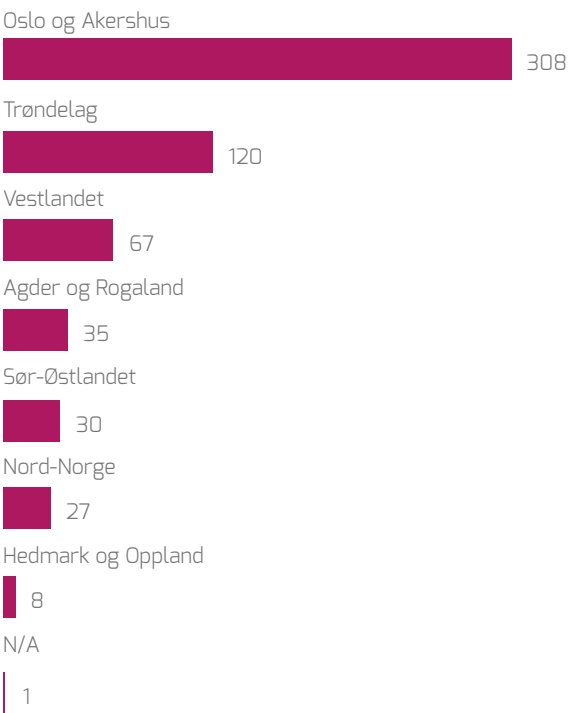
19
Trainers

NETWORKING ACTIVITIES IN NORWAY

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→
€ 478,170.78

EXPERTISE OF PROPOSERS

Agricultural biotechnology	4	Materials engineering	8
Agriculture, Forestry, and Fisheries	15	Mathematics	15
Animal and dairy science	2	Mechanical engineering	3
Arts	2	Media and communications	11
Basic medicine	20	Medical biotechnology	4
Biological sciences	77	Medical engineering	5
Chemical engineering	2	Nano-technology	4
Chemical sciences	12	Other engineering and technologies	19
Civil engineering	9	Other agricultural sciences	1
Clinical medicine	56	Other humanities	4
Computer and Information Sciences	43	Other medical sciences	8
Earth and related Environmental sciences	59	Other social sciences	20
Economics and business	19	Philosophy, Ethics and Religion	9
Educational sciences	3	Physical Sciences	22
Electrical engineering, electronic engineering,		Political Science	15
Information engineering	30	Psychology	22
Environmental engineering	10	Social and economic geography	3
Health Sciences	47	Sociology	22
History and Archeology	6	Veterinary science	7
Industrial biotechnology	6		
Languages and literature	12	Total	639
Law	3		

“COST is an excellent opportunity for scientists who have small, national networks. In Norway, there are only five researchers sharing the same research interests with me, so international partners are key for my research.”

Ingela Lundin Kvaem, Associate Professor, University of Oslo

Poland



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Science and Higher Education

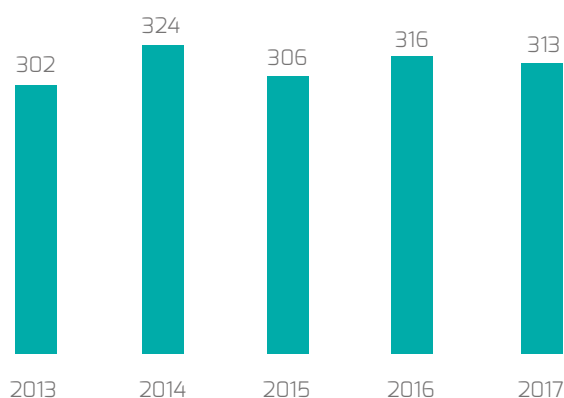


RUNNING ACTIONS LED BY POLAND

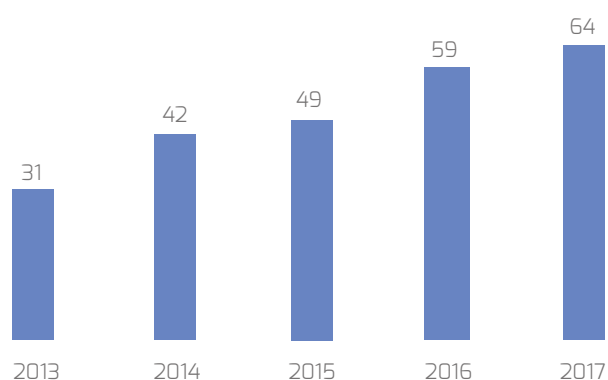
Examples of Chaired and Vice Chaired Actions

- > Personalized nutrition in aging society: redox control of major age-related diseases
- > Atmospheric electricity network: coupling with the earth system, climate and biological systems
- > The multi-messenger physics and astrophysics of neutron stars
- > European network on NMR relaxometry
- > Fractional-order systems - analysis, synthesis and their importance for future design
- > Resilient communication services protecting end-user applications from disaster-based failures ([RECODIS](#))
- > High-performance modelling and simulation for big data applications ([cHiPSet](#))
- > Distant reading for European literary history
- > New exploratory phase in research on East European cultures of dissent
- > European network for cost containment and improved quality of health care

COUNTRY REPRESENTATION IN COST ACTIONS

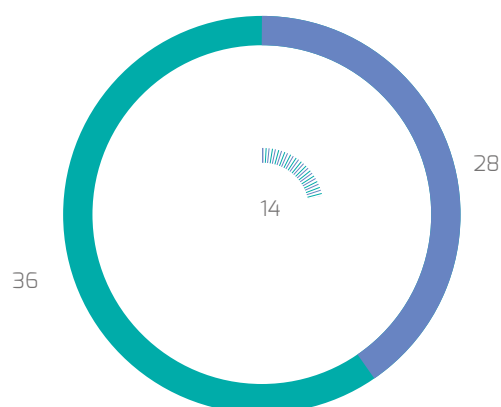


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

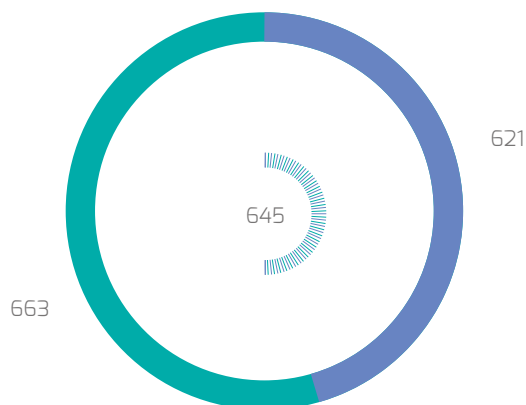


“ COST Actions are the best available instrument to foster cooperation between groups across Europe. It allows young researchers to initiate their career in an international environment, which is vital for the Inclusiveness Target Countries. ”

Piotr Warszynski, Full Professor,
Polish Academy of Sciences

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

109

Short-term scientific missions

223

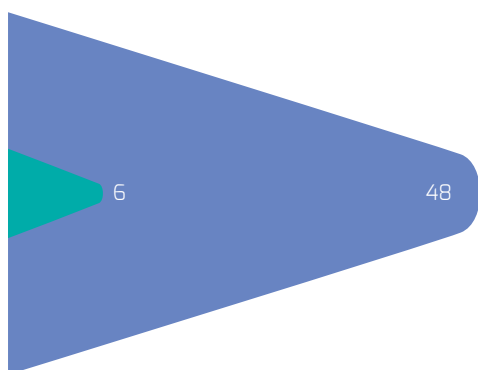
Trainees

26

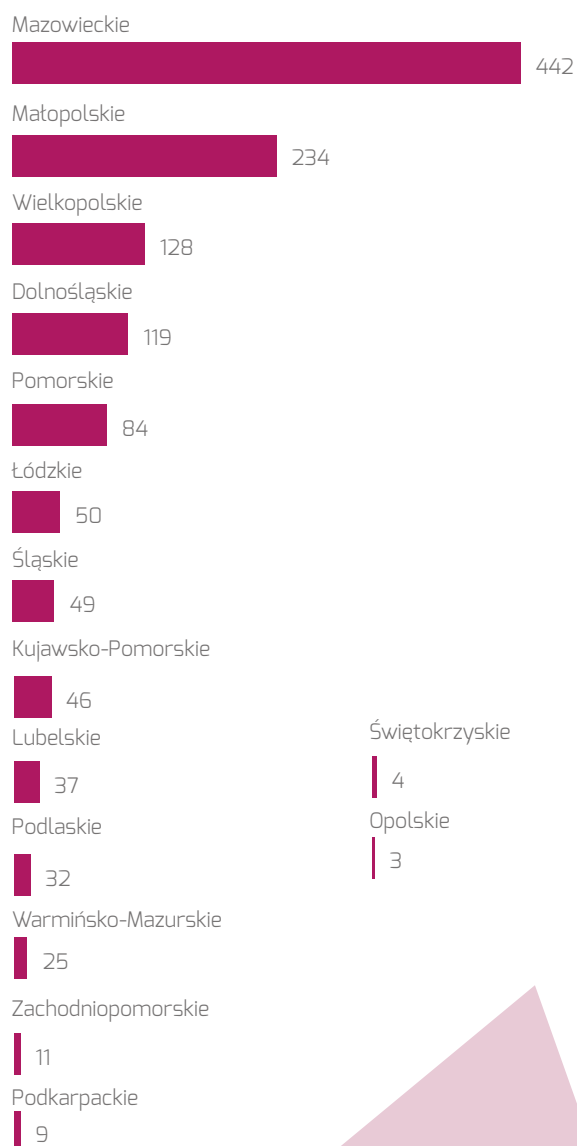
Trainers

NETWORKING ACTIVITIES IN POLAND

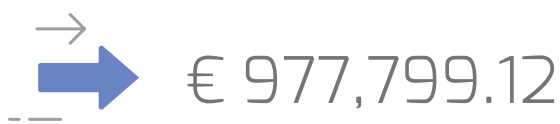
■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED



EXPERTISE OF PROPOSERS

Agricultural biotechnology	5	Law	32
Agriculture, Forestry, and Fisheries	30	Materials engineering	33
Animal and dairy science	4	Mathematics	14
Arts	9	Mechanical engineering	23
Basic medicine	16	Media and communications	8
Biological sciences	104	Medical biotechnology	7
Chemical engineering	7	Medical engineering	8
Chemical sciences	83	Nano-technology	12
Civil engineering	15	Other engineering and technologies	15
Clinical medicine	71	Other agricultural sciences	12
Computer and Information Sciences	61	Other humanities	5
Earth and related Environmental sciences	70	Other medical sciences	5
Economics and business	79	Other social sciences	9
Educational sciences	28	Philosophy, Ethics and Religion	20
Electrical engineering, electronic engineering,		Physical Sciences	87
Information engineering	41	Political Science	20
Environmental biotechnology	2	Psychology	30
Environmental engineering	28	Social and economic geography	4
Health Sciences	34	Sociology	35
History and Archeology	16	Veterinary science	9
Industrial biotechnology	7		
Languages and literature	17	Total	1115

“The COST framework provides an important opportunity for newer members of the European Union to participate in scientific projects at a global scale, and to collaborate with researchers from the older European Union Member States. The EU's future depends on scientific research and development.”

Anna Duszewska, Associate Professor, Warsaw University of Life Sciences

Portugal



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Foundation for Science and Technology (FCT)
- Ministry of Education and Science

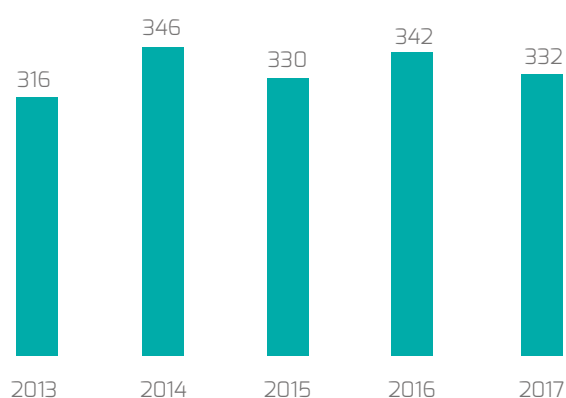


RUNNING ACTIONS LED BY PORTUGAL

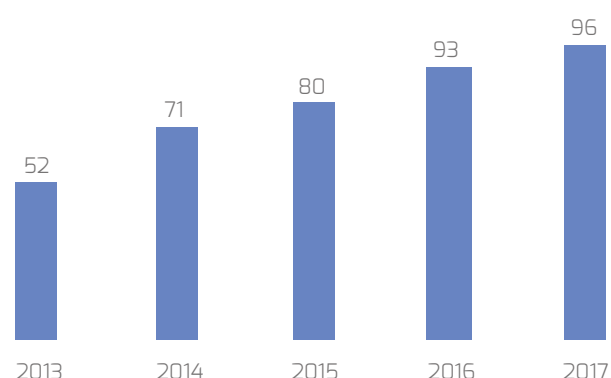
Examples of Chaired and Vice Chaired Actions

- > European network for collaboration on kidney exchange programmes
- > New and emerging challenges and opportunities in wastewater reuse (NEREUS)
- > Multi-target paradigm for innovative ligand identification in the drug discovery process (MuTaLig)
- > European network for the promotion of portable, affordable and simple analytical platforms
- > Innovation in intelligent Management of Heritage Buildings (i2MHB)
- > Quality specifications for roadway bridges, standardization at a European level (BridgeSpec)
- > European network for algal-bioproducts (EUALGAE)
- > Connecting insights in fundamental physics (FUNDAMENTALCONNECTIONS)
- > Interdisciplinarity in research programming and funding cycles (INTREPID)
- > Towards the next generation of standards for service life of cement-based materials and structures
- > Interdisciplinarity in research programming and funding cycles (INTREPID)
- > Knowledge conversion for enhancing management of European riparian ecosystems and services
- > Cosmology and Astrophysics Network for Theoretical Advances and Training Actions (CANTATA)
- > European network for environmental citizenship
- > Investigation and mathematical analysis of avant-garde disease control via mosquito nano-tech-repellents
- > European network of bioadhesion expertise: fundamental knowledge to inspire advanced bonding technologies
- > Strengthening Europeans' capabilities by establishing the European literacy network

COUNTRY REPRESENTATION IN COST ACTIONS

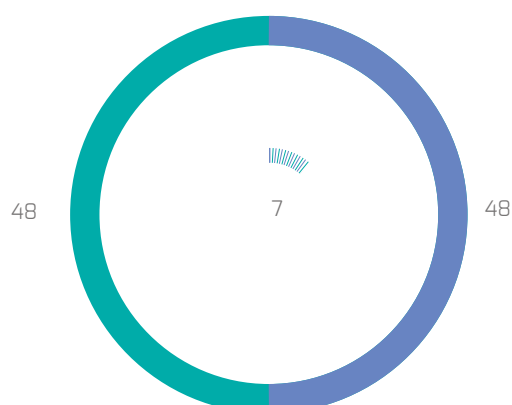


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

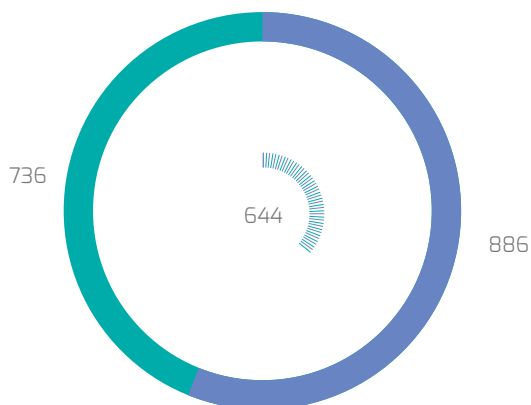


“COST Association is key for enabling European collaborations and for boosting scientific research.”

Ricardo Capote, PhD student, University of Lisbon

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

126

Short-term scientific missions

223

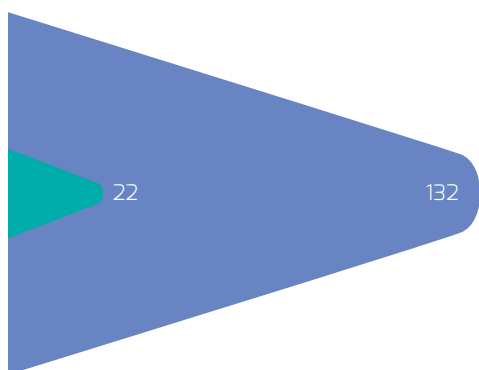
Trainees

52

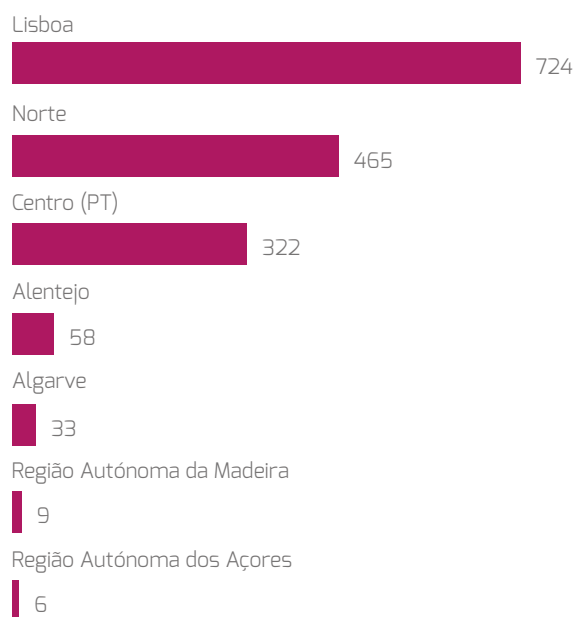
Trainers

NETWORKING ACTIVITIES IN PORTUGAL

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→ € 1,424,551.28

EXPERTISE OF PROPOSERS

Agriculture, Forestry, and Fisheries	48	Materials engineering	54
Animal and dairy science	4	Mathematics	36
Arts	24	Mechanical engineering	19
Basic medicine	38	Media and communications	25
Biological sciences	170	Medical biotechnology	7
Chemical engineering	29	Medical engineering	12
Chemical sciences	46	Nano-technology	22
Civil engineering	49	Other engineering and technologies	46
Clinical medicine	51	Other agricultural sciences	3
Computer and Information Sciences	86	Other humanities	16
Earth and related Environmental sciences	97	Other medical sciences	6
Economics and business	63	Other social sciences	26
Educational sciences	22	Philosophy, Ethics and Religion	17
Electrical engineering, electronic engineering,		Physical Sciences	59
Information engineering	97	Political Science	15
Environmental engineering	25	Psychology	54
Health Sciences	67	Social and economic geography	12
History and Archeology	29	Sociology	25
Industrial biotechnology	10	Veterinary science	7
Languages and literature	17		
Law	17	Total	1450

“The short-term scientific missions are of great help in promoting young researchers’ and students’ mobility, giving them a valuable opportunity to visit top institutions and carry out cutting-edge research.”

Luisa Valente, Full Professor, University of Porto

Romania



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education and Scientific Research



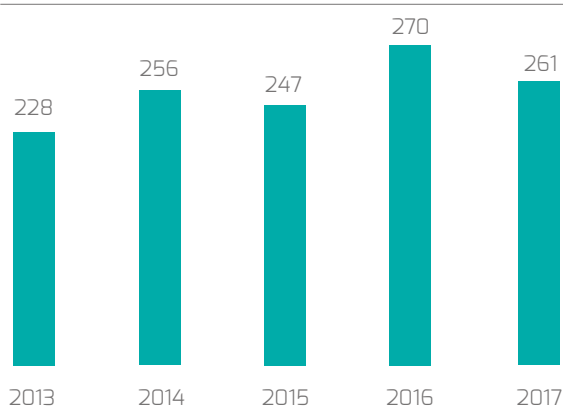
RUNNING ACTIONS LED BY ROMANIA

Examples of Chaired and Vice Chaired Actions

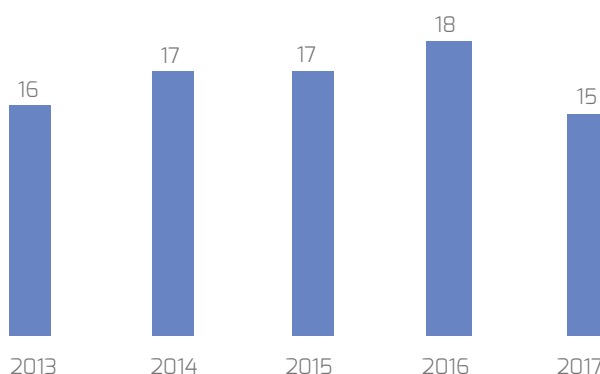
> European network to advance carotenoid research and applications in agro-food and health ([EUROCAROTEN](#))

> European network for combining language learning with crowdsourcing techniques

COUNTRY REPRESENTATION IN COST ACTIONS

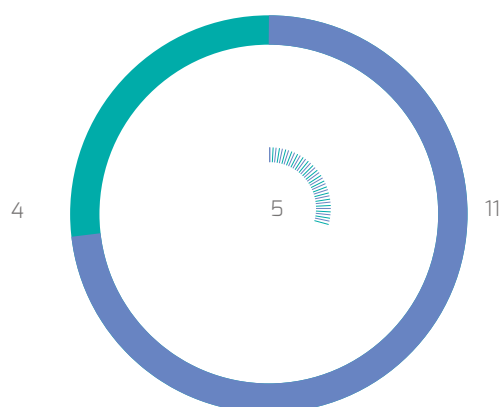


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

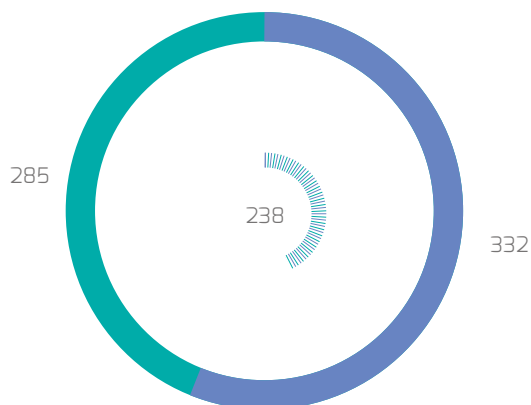


“COST Actions represent an important connection for the scientific community. Romania was isolated for many years, and COST is a practical way to work together with scientists from Western Europe. In addition, COST opens the possibilities to participate in important research programs.”

Catalin Daniel Galatanu, Full Professor,
Technical University of Iasi

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

28

Short-term scientific missions

87

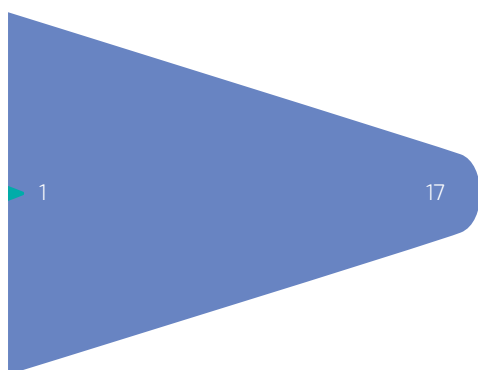
Trainees

3

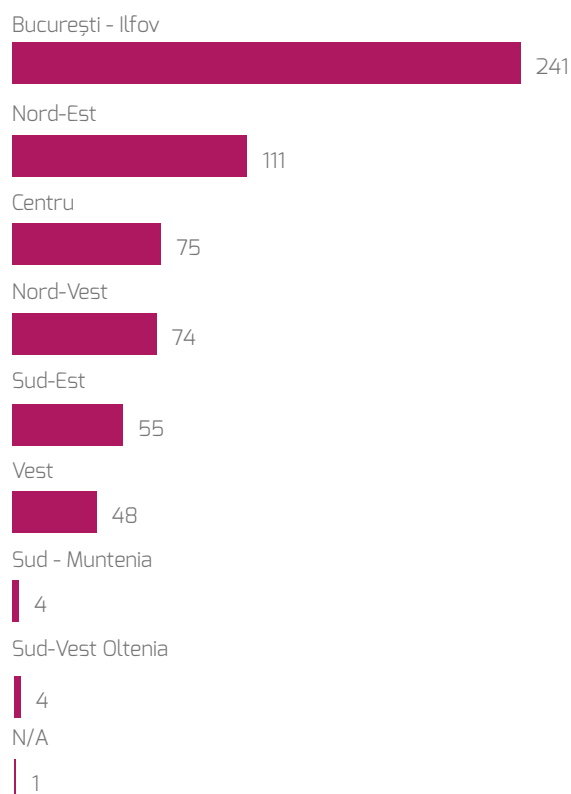
Trainers

NETWORKING ACTIVITIES IN ROMANIA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→ € 488,156.76

EXPERTISE OF PROPOSERS

Agricultural biotechnology	5	Materials engineering	25
Agriculture, Forestry, and Fisheries	22	Mathematics	12
Animal and dairy science	11	Mechanical engineering	22
Arts	9	Media and communications	5
Basic medicine	9	Medical biotechnology	2
Biological sciences	51	Medical engineering	3
Chemical engineering	16	Nano-technology	16
Chemical sciences	36	Other engineering and technologies	28
Civil engineering	20	Other agricultural sciences	4
Clinical medicine	53	Other humanities	6
Computer and Information Sciences	70	Other medical sciences	10
Earth and related Environmental sciences	41	Other social sciences	3
Economics and business	49	Philosophy, Ethics and Religion	6
Educational sciences	3	Physical Sciences	58
Electrical engineering, electronic engineering,		Political Science	14
Information engineering	41	Psychology	15
Environmental engineering	17	Social and economic geography	8
Health Sciences	22	Sociology	15
History and Archeology	15	Veterinary science	10
Industrial biotechnology	3		
Languages and literature	17		
Law	8		
		Total	780

“In Romania, like in other East European countries, the money allocated for research studies is quite reduced, so COST represents a good opportunity for scientists to be together with their colleagues from West Europe in trying to cooperate in the research of diseases affecting many people.”

Carmen Michaela Cretu, Associate Professor,
Romanian Association of Hidatidology

Serbia



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education, Science and Technological Development



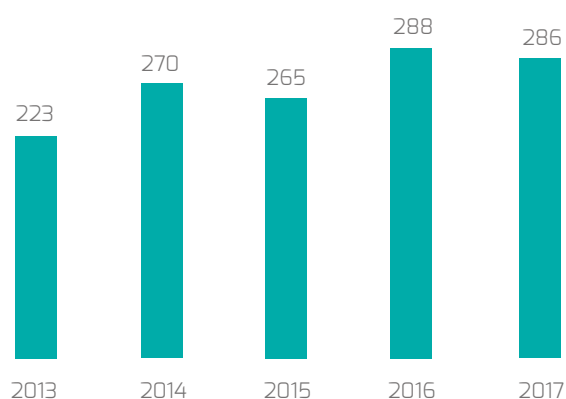
RUNNING ACTIONS LED BY SERBIA

Examples of Chaired and Vice Chaired Actions

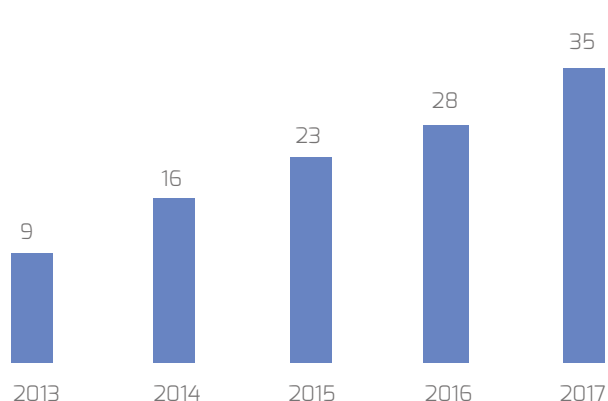
> Maximising impact of research in neurodevelopmental disorders

> International network to encourage the use of monitoring and forecasting dust products

COUNTRY REPRESENTATION IN COST ACTIONS

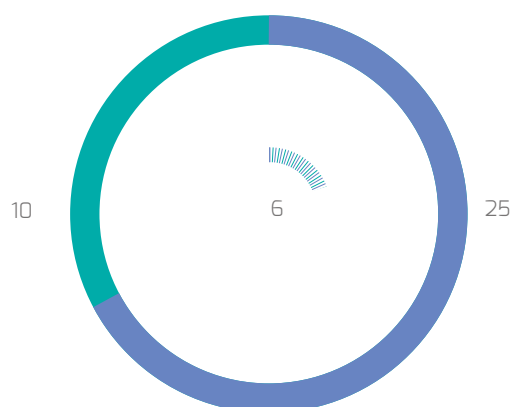


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

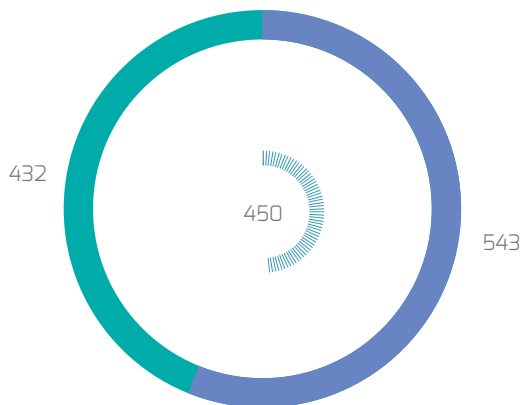


“All COST Actions are about getting people together. I collaborated with many excellent scholars, which I believe is one of the strongest points of COST.”

Dr Ana Milojevic, Assistant Professor, Belgrade University

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women
■ Men
/// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

114

Short-term scientific missions

143

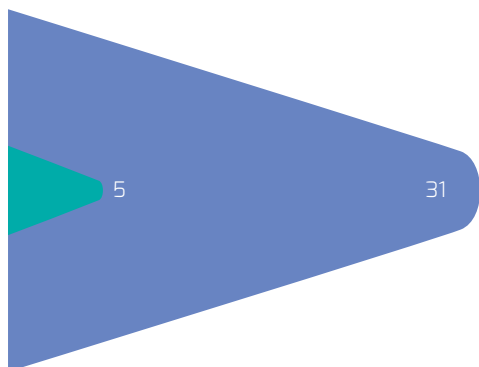
Trainees

16

Trainers

NETWORKING ACTIVITIES IN SERBIA

■ Short-term scientific missions
■ Training schools



PARTICIPATION PER COUNTRY REGION



BUDGET RECEIVED

→ € 797,001.25

EXPERTISE OF PROPOSERS

Agricultural biotechnology	5	Materials engineering	10
Agriculture, Forestry, and Fisheries	31	Mathematics	12
Animal and dairy science	5	Mechanical engineering	15
Arts	9	Media and communications	6
Basic medicine	9	Medical biotechnology	3
Biological sciences	73	Medical engineering	2
Chemical engineering	12	Nano-technology	1
Chemical sciences	36	Other engineering and technologies	18
Civil engineering	13	Other agricultural sciences	7
Clinical medicine	28	Other humanities	10
Computer and Information Sciences	40	Other medical sciences	8
Earth and related Environmental sciences	28	Other social sciences	12
Economics and business	17	Philosophy, Ethics and Religion	5
Educational sciences	4	Physical Sciences	45
Electrical engineering, electronic engineering,		Political Science	3
Information engineering	24	Psychology	10
Environmental engineering	22	Social and economic geography	10
Health Sciences	12	Sociology	9
History and Archeology	10	Veterinary science	4
Industrial biotechnology	4		
Languages and literature	8		
Law	14		
		Total	594

“I find the COST programme extremely important for European scientists' and scholars' continuous involvement in EU projects, and especially for young researchers' inclusion. I believe COST is the best strategy for European researchers' future networking.”

Bojan Srdjevic, Professor, University of Novi Sad

Slovakia



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education, Science, Research and Sport

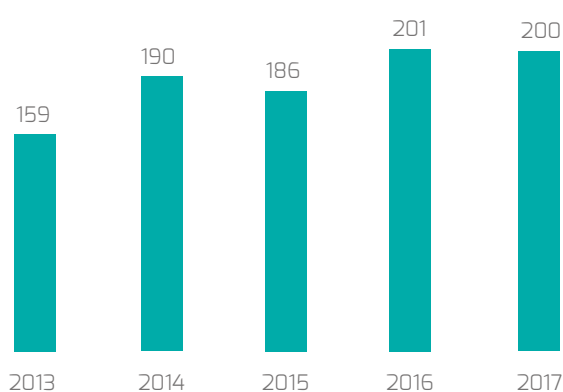


RUNNING ACTIONS LED BY SLOVAKIA

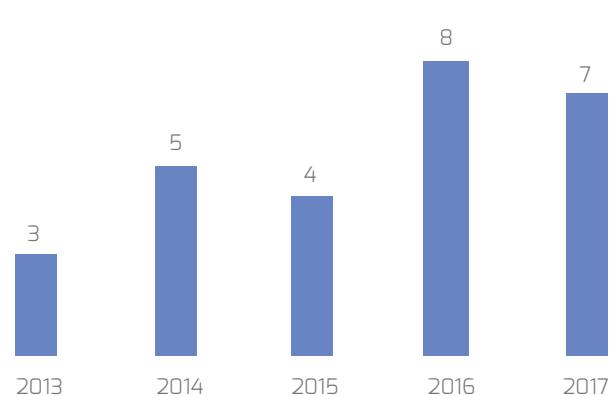
Examples of Chaired and Vice Chaired Actions

> Theory of hot matter and relativistic heavy-ion collisions

COUNTRY REPRESENTATION IN COST ACTIONS

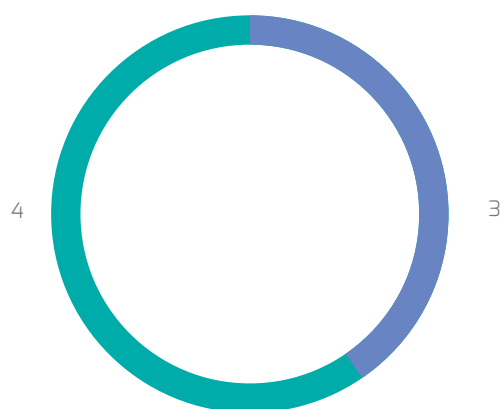


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men

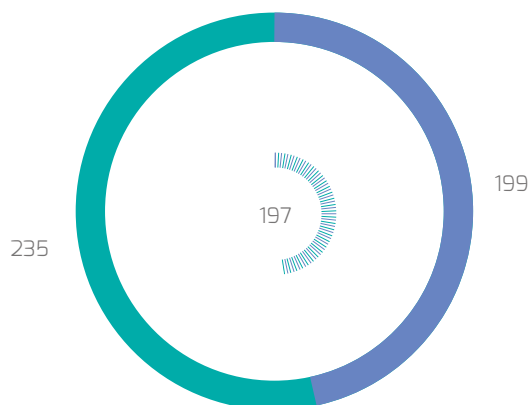


“The COST programme is a very effective tool for European cooperation and for strengthening the European Research Area.”

Anna Pretova, Full Professor, Inst. Plant Genetics and Biotechnology

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

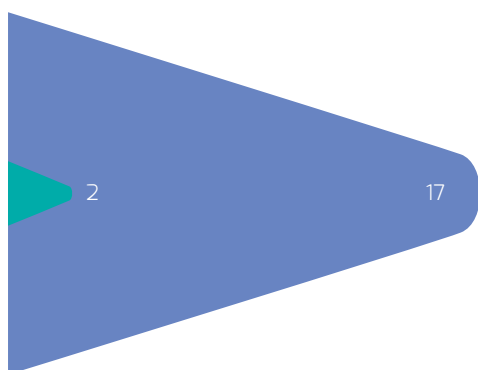
31
Short-term
scientific missions

41
Trainees

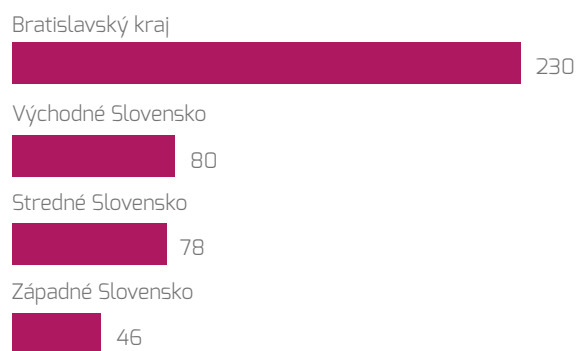
2
Trainers

NETWORKING ACTIVITIES IN SLOVAKIA

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→
€ 305,050.56

EXPERTISE OF PROPOSERS

Agricultural biotechnology	2	Health Sciences	11
Agriculture, Forestry, and Fisheries	10	Languages and literature	2
Animal and dairy science	2	Law	3
Arts	1	Materials engineering	7
Basic medicine	7	Mathematics	2
Biological sciences	38	Mechanical engineering	2
Chemical engineering	2	Media and communications	3
Chemical sciences	33	Other engineering and technologies	3
Civil engineering	9	Other agricultural sciences	6
Clinical medicine	16	Other social sciences	4
Computer and Information Sciences	24	Philosophy, Ethics and Religion	16
Earth and related Environmental sciences	13	Physical Sciences	36
Economics and business	18	Political Science	8
Educational sciences	2	Psychology	7
Electrical engineering, electronic engineering,	16	Sociology	6
Information engineering	2		
Environmental biotechnology	3		
Environmental engineering			
		Total	314

“COST is a very useful tool to connect researchers, establish high-performing collaborations and educate PhD students through short-term scientific missions.”

Andrej Bohac, Associate Professor, Comenius University

Slovenia



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Education,
Science and Sport

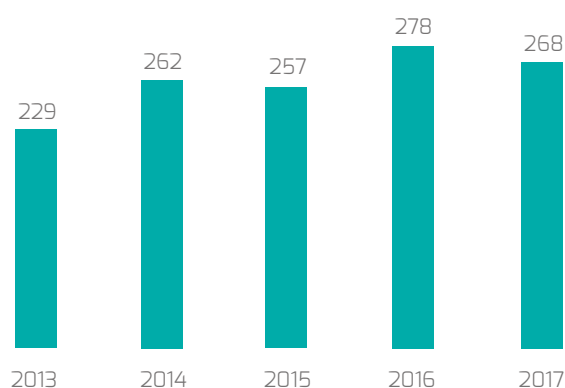


RUNNING ACTIONS LED BY SLOVENIA

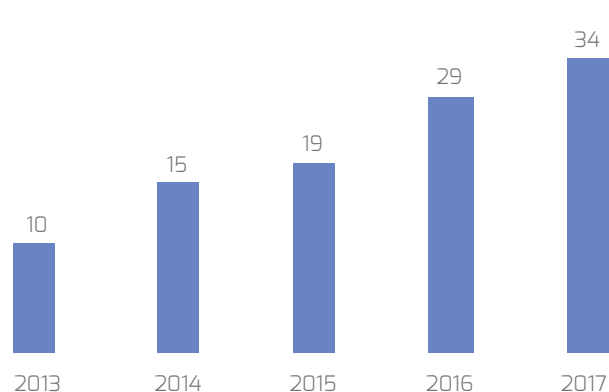
Examples of Chaired and Vice Chaired Actions

- > European raptor biomonitoring facility
- > Indoor living space improvement: smart habitat for the elderly
- > Understanding wood modification through an integrated scientific and environmental impact approach ([ModWoodLife](#))

COUNTRY REPRESENTATION IN COST ACTIONS

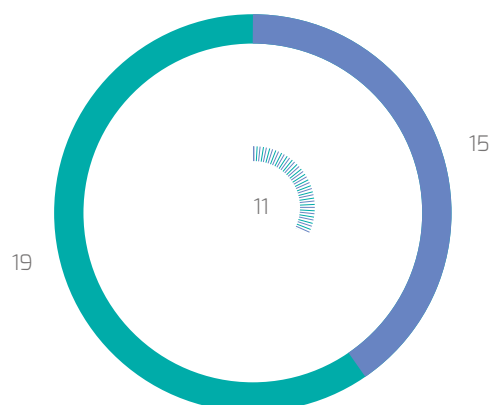


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

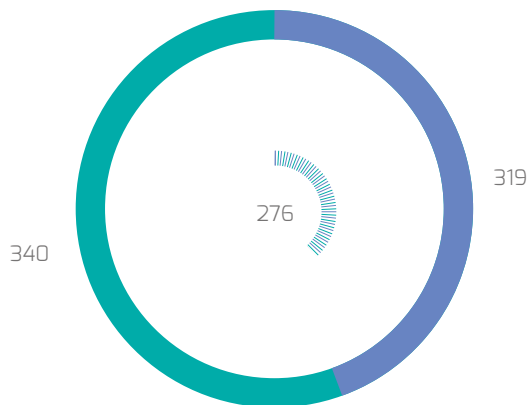


“Innovative ideas will only come if we have a diverse culture. And if we join forces, we will be making bigger progress and deliver something to society.”

Andreja Kutnar, Associate Professor,
University of Primorska, Slovenia

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women
■ Men
/// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

46

Short-term scientific missions

73

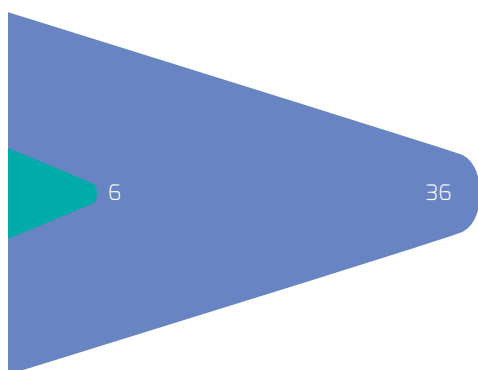
Trainees

9

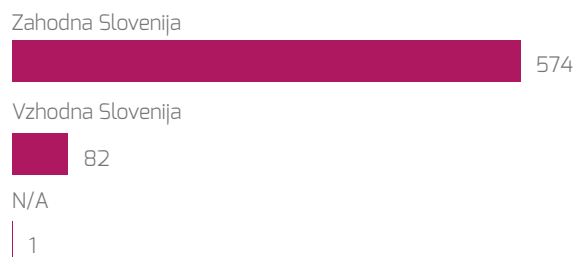
Trainers

NETWORKING ACTIVITIES IN SLOVENIA

■ Short-term scientific missions
■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→ € 531,422.77

EXPERTISE OF PROPOSERS

Agricultural biotechnology	5	Law	15
Agriculture, Forestry, and Fisheries	18	Materials engineering	27
Animal and dairy science	2	Mathematics	12
Arts	8	Mechanical engineering	16
Basic medicine	22	Media and communications	4
Biological sciences	66	Medical biotechnology	4
Chemical engineering	15	Medical engineering	2
Chemical sciences	31	Nano-technology	3
Civil engineering	15	Other engineering and technologies	6
Clinical medicine	39	Other agricultural sciences	2
Computer and Information Sciences	30	Other humanities	11
Earth and related Environmental sciences	36	Other medical sciences	3
Economics and business	23	Other social sciences	12
Educational sciences	7	Philosophy, Ethics and Religion	6
Electrical engineering, electronic engineering,		Physical Sciences	45
Information engineering	31	Political Science	12
Environmental biotechnology	1	Psychology	3
Environmental engineering	8	Social and economic geography	8
Health Sciences	26	Sociology	15
History and Archeology	7	Veterinary science	4
Industrial biotechnology	3		
Languages and literature	17	Total	620

“I can say that COST is the best thing that happened to me during my PhD.”

Barbara Zorec, Faculty of Electrical Engineering, University of Ljubljana

Spain



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Economy and Competitiveness (MINECO)

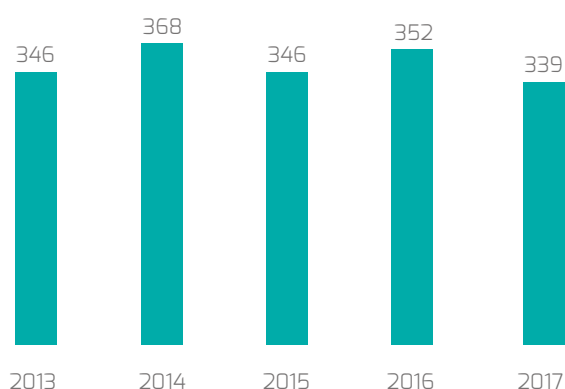


RUNNING ACTIONS LED BY SPAIN

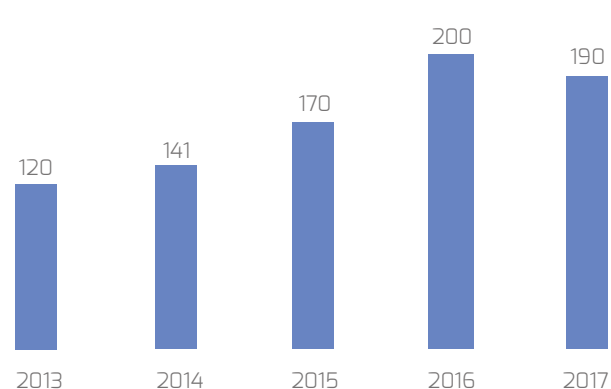
Examples of Chaired and Vice Chaired Actions

- > Computationally-intensive methods for the robust analysis of non-standard data ([CRoNoS](#))
- > European network of investigators triggering exploratory research on myeloid regulatory cells ([Mye-EUNITER](#))
- > Network on technology-critical elements - from environmental processes to human health threats
- > European network to advance carotenoid research and applications in agro-food and health ([EUROCAROTEN](#))
- > Study Abroad Research in European Perspective ([SAREP](#))
- > European network for algal-bioproducts ([EUALGAE](#))
- > Multifunctional nanoparticles for magnetic hyperthermia and indirect radiation therapy ([RADIOMAG](#))
- > Molecular spintronics ([MOLSPIN](#))
- > Electrochemical processing methodologies and corrosion protection for device and systems miniaturization ([e-MINDS](#))
- > European network of multidisciplinary research to improve the urinary stents
- > Ancient European languages and writings ([AELAW](#))
- > Indoor living space improvement: smart habitat for the elderly
- > Understanding and combating African Swine Fever in Europe ([ASF-STOP](#))
- > Interindividual variation in response to consumption of plant food bioactives and determinants involved ([POSITIVE](#))
- > Unraveling new physics at the LHC through the precision frontier
- > Nanoscale coherent hybrid devices for superconducting quantum technologies
- > Quality specifications for roadway bridges, standardization at a European level ([BridgeSpec](#))
- > European network for high performance integrated microwave photonics

COUNTRY REPRESENTATION IN COST ACTIONS

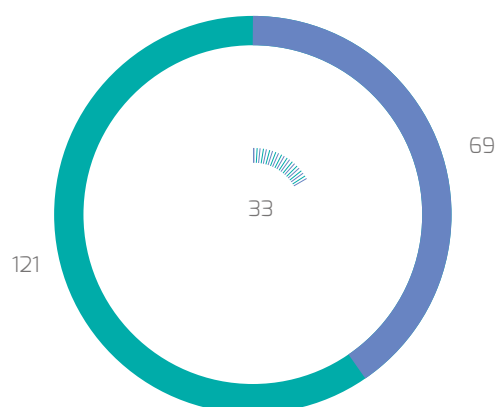


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

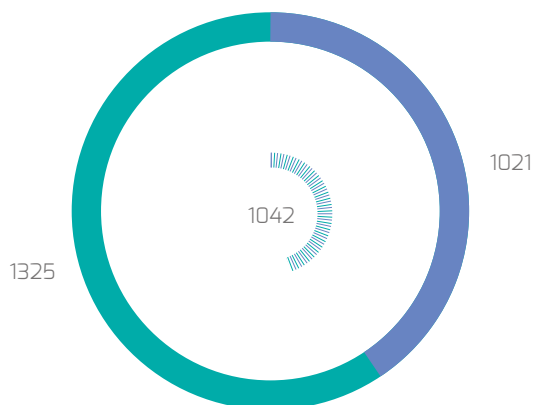


“The best thing about being part of a COST Action? We are all colleagues here, learning from one another.”

Narcis Cardona, Polytechnic University of Valencia

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

244

Short-term scientific missions

285

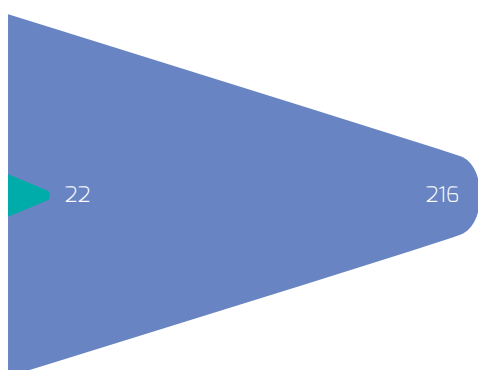
Trainees

85

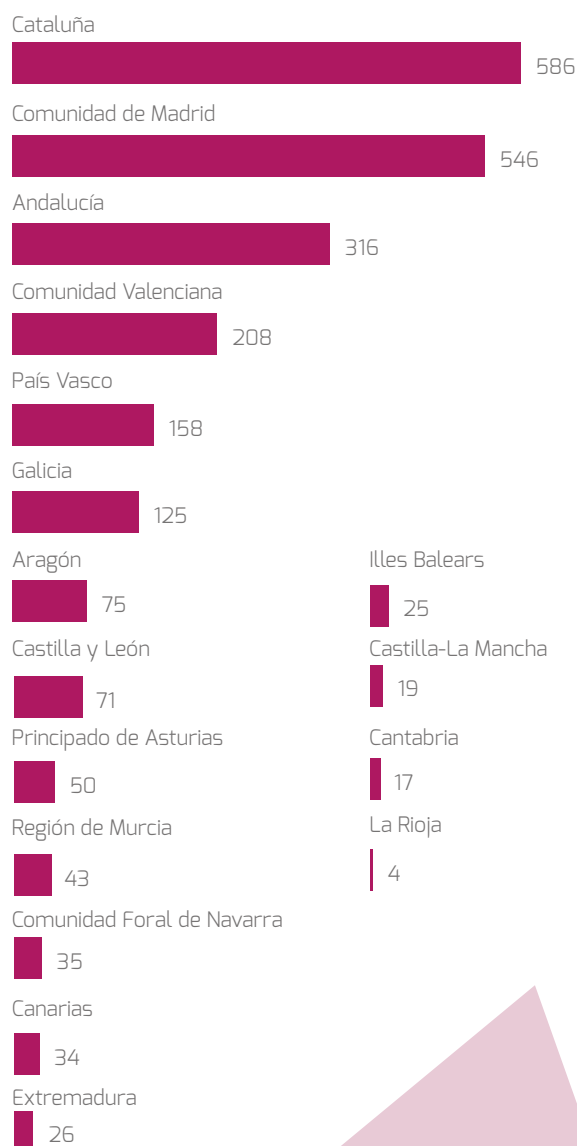
Trainers

NETWORKING ACTIVITIES IN SPAIN

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→ € 1,863,465.42

EXPERTISE OF PROPOSERS

Agricultural biotechnology	14	Law	33
Agriculture, Forestry, and Fisheries	83	Materials engineering	33
Animal and dairy science	14	Mathematics	56
Arts	20	Mechanical engineering	18
Basic medicine	56	Media and communications	25
Biological sciences	288	Medical biotechnology	18
Chemical engineering	33	Medical engineering	10
Chemical sciences	127	Nano-technology	32
Civil engineering	38	Other engineering and technologies	62
Clinical medicine	113	Other agricultural sciences	10
Computer and Information Sciences	161	Other humanities	16
Earth and related Environmental sciences	125	Other medical sciences	2
Economics and business	120	Other social sciences	31
Educational sciences	19	Philosophy, Ethics and Religion	9
Electrical engineering, electronic engineering,		Physical Sciences	143
Information engineering	174	Political Science	41
Environmental biotechnology	3	Psychology	57
Environmental engineering	37	Social and economic geography	21
Health Sciences	91	Sociology	32
History and Archeology	53	Veterinary science	13
Industrial biotechnology	10		
Languages and literature	25		
		Total	2266

“COST provides a unique forum to establish long-term scientific relationships among European scholars working in similar fields. This is really difficult to accomplish in regular scientific activities, which are highly specialized. Thus, COST is unique, allowing for interdisciplinary work.”

Ladislao Salmerón, Associate Professor, University of Valencia

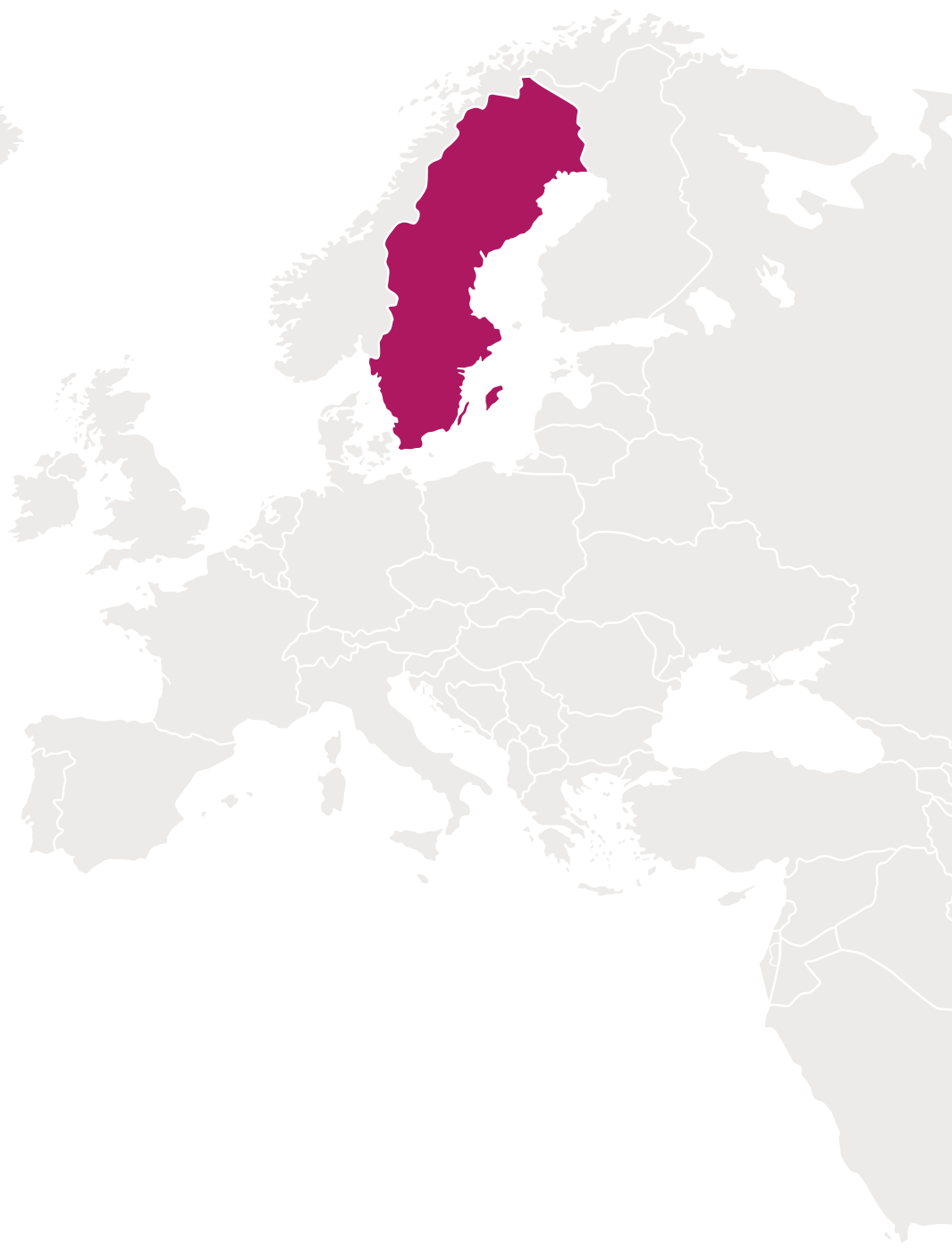
Sweden



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Ministry of Enterprise and Innovation
- VINNOVA, Sweden Innovation Agency

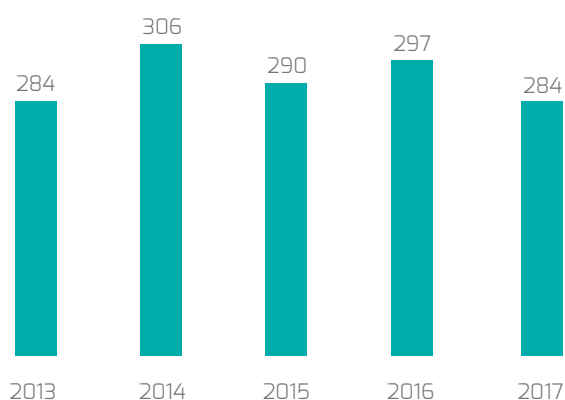


RUNNING ACTIONS LED BY SWEDEN

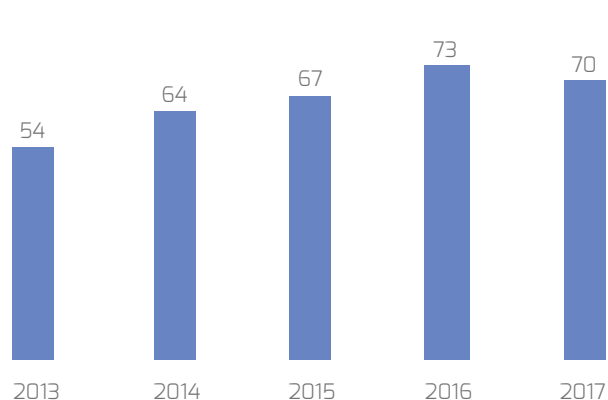
Examples of Chaired and Vice Chaired Actions

- > Understanding wood modification through an integrated scientific and environmental impact approach ([ModWoodLife](#))
- > Understanding and combating African swine fever in Europe ([ASF-STOP](#))
- > Harmonising standardisation strategies to increase efficiency and competitiveness of European life-science research ([CHARME](#))
- > European network for cost containment and improved quality of health care
- > Archaeological practices and knowledge work in the digital environment
- > Combining forces for a novel European facility for neutrino-antineutrino symmetry-violation discovery ([EuroNuNet](#))
- > European cleft and craniofacial initiative for equality in care

COUNTRY REPRESENTATION IN COST ACTIONS

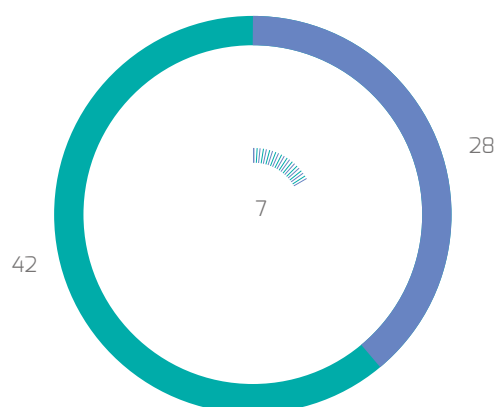


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

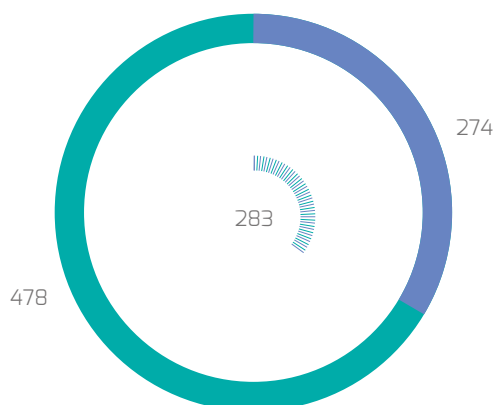


“Of all the research networks I have been part of over the years, COST network PROSPOL is by far the best organised and the most worthwhile.”

Jens Rydström, Full Professor, Lund University

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

52

Short-term scientific missions

85

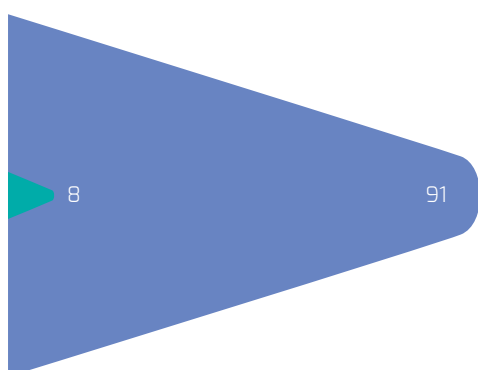
Trainees

36

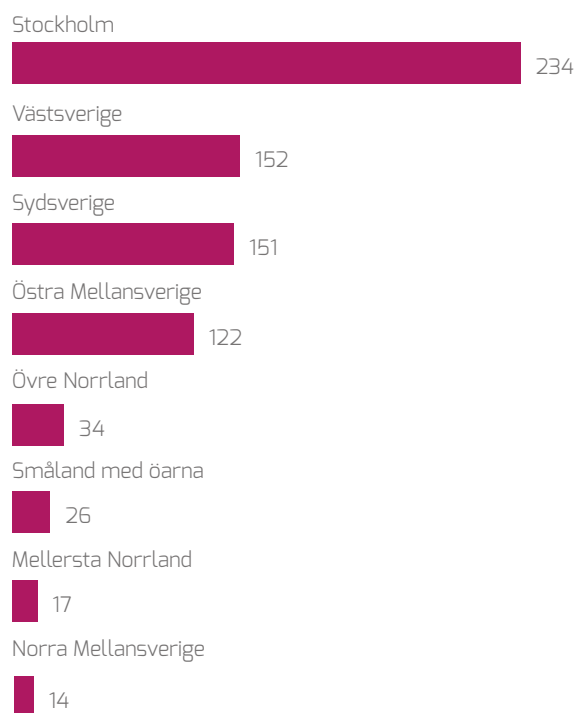
Trainers

NETWORKING ACTIVITIES IN SWEDEN

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→ € 592,480.73

EXPERTISE OF PROPOSERS

Agricultural biotechnology	2	Materials engineering	23
Agriculture, Forestry, and Fisheries	15	Mathematics	25
Animal and dairy science	5	Mechanical engineering	9
Arts	4	Media and communications	17
Basic medicine	22	Medical biotechnology	6
Biological sciences	83	Medical engineering	3
Chemical engineering	16	Nano-technology	2
Chemical sciences	45	Other engineering and technologies	22
Civil engineering	24	Other agricultural sciences	6
Clinical medicine	39	Other humanities	6
Computer and Information Sciences	52	Other medical sciences	3
Earth and related Environmental sciences	44	Other social sciences	16
Economics and business	28	Philosophy, Ethics and Religion	10
Educational sciences	10	Physical Sciences	51
Electrical engineering, electronic engineering,		Political Science	13
Information engineering	59	Psychology	17
Environmental engineering	16	Social and economic geography	3
Health Sciences	43	Sociology	20
History and Archeology	23	Veterinary science	9
Industrial biotechnology	9		
Languages and literature	9		
Law	6		
		Total	815

“COST Actions are very important for building relationships between scientists in the same field. They have a huge impact on both education and research, and contribute to the internationalisation by catalysing short- and long-term mobility.”

Helena Danielson, Full Professor, Uppsala University

Switzerland



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Swiss National Science Foundation (SNSF)

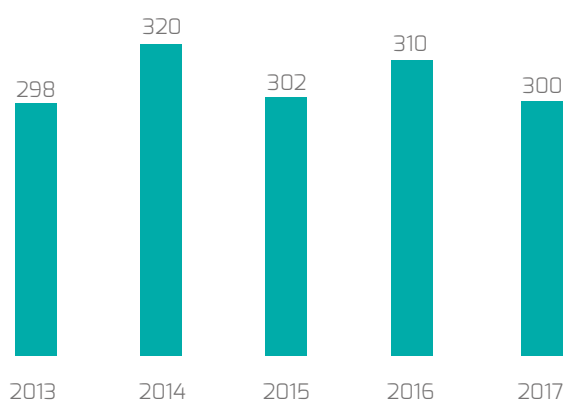


RUNNING ACTIONS LED BY SWITZERLAND

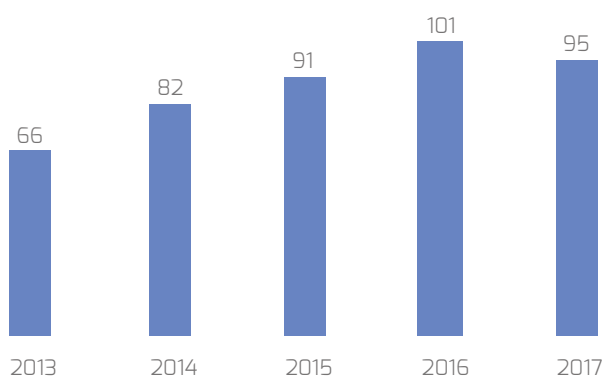
Examples of Chaired and Vice Chaired Actions

- > European platform for outcomes research into perioperative interventions during surgery for cancer
- > Chemical On-Line cOmpoSition and Source Apportionment of fine aerosol (COLOSSAL)
- > Adaptive facades network
- > Impact of nuclear domains on gene expression and plant traits
- > Translational research in primary ciliary dyskinesia - bench, bedside, and population perspectives (BEAT-PCD)
- > European cooperation for Statistics of network data science (COSTNET)
- > Fast Advanced Scintillator Timing (FAST)
- > Simulation and pharmaceutical technologies for advanced patient-tailored inhaled medicines (SimInhale)
- > Wearable robots for augmentation, assistance or substitution of human motor functions
- > Fire safe use of bio-based building products
- > Identifying causes and solutions of keel bone damage in laying hens
- > Network on technology-critical elements - from environmental processes to human health threats
- > A collaborative European network of C. elegans early-stage researchers and young principal investigators (GENIE)
- > Development of a European network for preclinical testing of interventions in mouse models of age and age-related diseases (MouseAGE)
- > A global network of nurseries as early warning system against alien tree pests (global warning)
- > Electrochemical processing methodologies and corrosion protection for device and systems miniaturization (e-MINDS)

COUNTRY REPRESENTATION IN COST ACTIONS

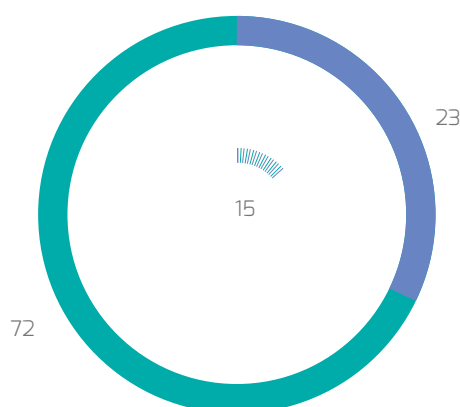


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

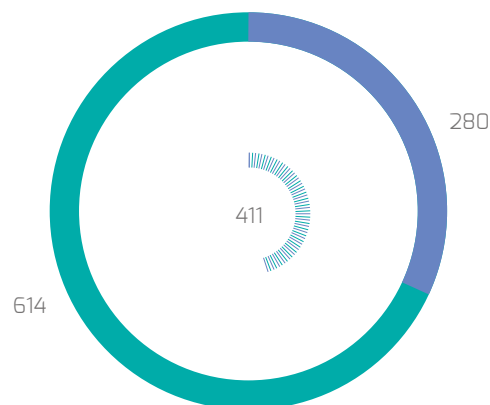


“COST brought a new dimension to my career and to my research project. Instead of working in one university, I am working at a European scale.”

Dr Maxime Hervo, E-Profile Network Manager, Federal Office of Meteorology and Climatology MeteoSwiss, Switzerland

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

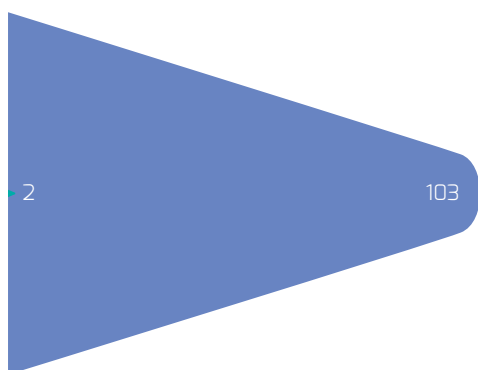
57
Short-term
scientific missions

68
Trainees

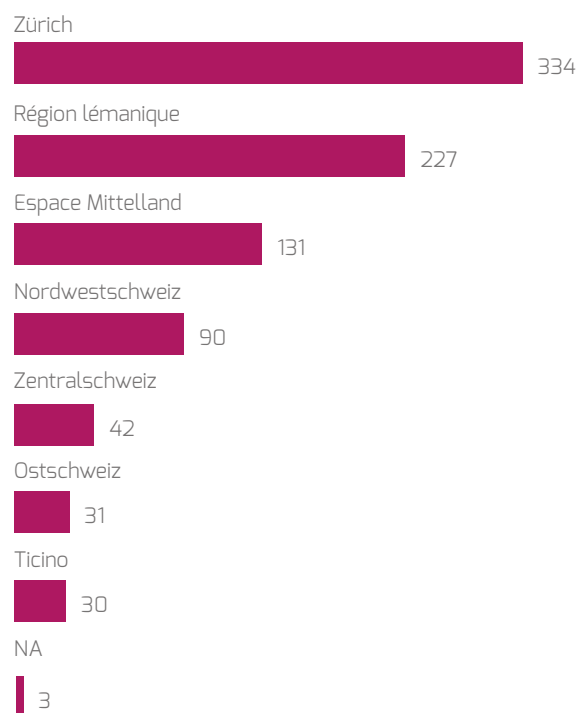
47
Trainers

NETWORKING ACTIVITIES IN SWITZERLAND

■ Short-term scientific missions ■ Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED

→
€ 607,335.84

EXPERTISE OF PROPOSERS

Agricultural biotechnology	5	Materials engineering	14
Agriculture, Forestry, and Fisheries	10	Mathematics	27
Arts	8	Mechanical engineering	6
Basic medicine	15	Media and communications	10
Biological sciences	91	Medical biotechnology	4
Chemical engineering	13	Medical engineering	3
Chemical sciences	34	Nano-technology	7
Civil engineering	23	Other engineering and technologies	10
Clinical medicine	62	Other agricultural sciences	4
Computer and Information Sciences	55	Other humanities	1
Earth and related Environmental sciences	81	Other medical sciences	10
Economics and business	25	Other social sciences	11
Educational sciences	6	Philosophy, Ethics and Religion	10
Electrical engineering, electronic engineering,		Physical Sciences	55
Information engineering	40	Political Science	10
Environmental biotechnology	5	Psychology	24
Environmental engineering	10	Social and economic geography	2
Health Sciences	36	Sociology	7
History and Archeology	6	Veterinary science	4
Industrial biotechnology	2		
Languages and literature	15		
Law	9		
		Total	770

“We need to boost the networking and the excellence in science, and COST is a perfect instrument for that.”

Salvador Pané i Vidal, Senior Research Scientist, ETH Zurich

Turkey



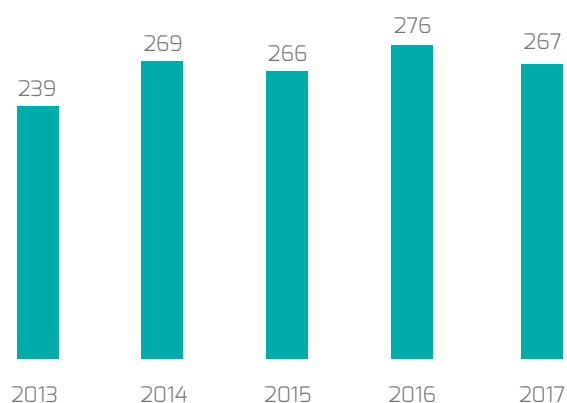
Statistical data refers to 2017

REPRESENTING INSTITUTIONS

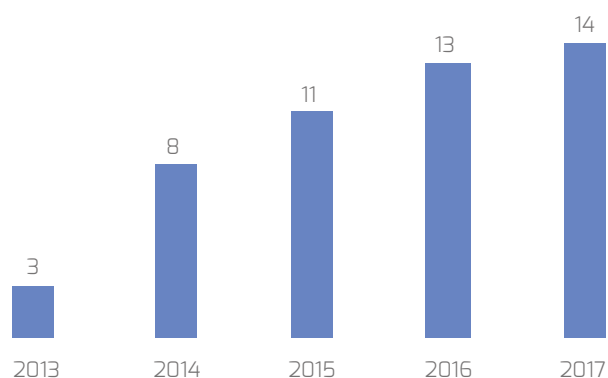
- TUBITAK -Scientific and Technological Research Council of Turkey



COUNTRY REPRESENTATION IN COST ACTIONS

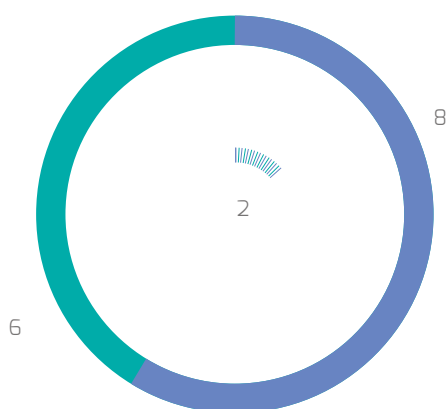


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

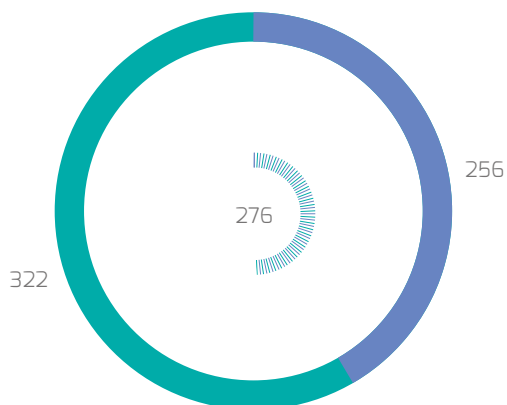


“As a Turkish scientist I can divide my scientific career between before participating in COST Actions and after it. It entirely changed my scientific life. I am now a well-known Turkish scientist.”

Hatice Tugba Dogmus Lehtijarvi,
Associate Professor, Süleyman Demirel University

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

■ Women ■ Men /// Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

40

Short-term scientific missions

90

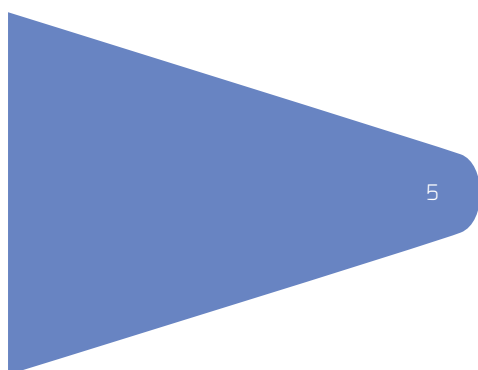
Trainees

7

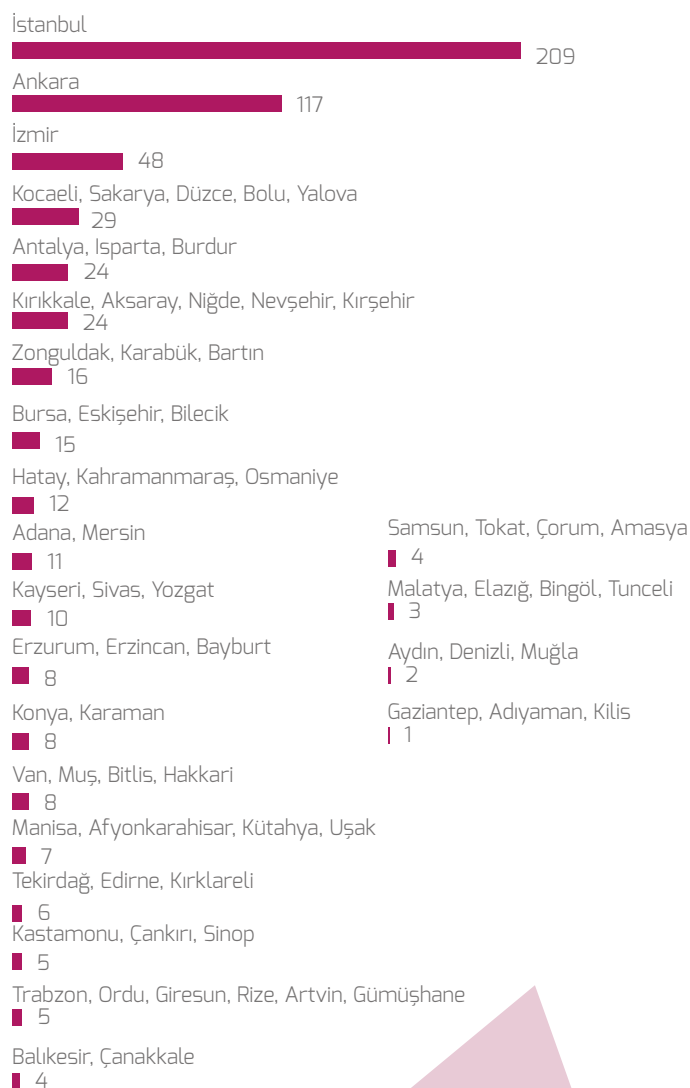
Trainers

NETWORKING ACTIVITIES IN TURKEY

■ Short-term scientific missions



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED



EXPERTISE OF PROPOSERS

Agricultural biotechnology	2	Law	8
Agriculture, Forestry, and Fisheries	48	Materials engineering	18
Animal and dairy science	8	Mathematics	12
Arts	7	Mechanical engineering	21
Basic medicine	13	Media and communications	11
Biological sciences	56	Medical biotechnology	3
Chemical engineering	3	Medical engineering	2
Chemical sciences	23	Nano-technology	14
Civil engineering	23	Other engineering and technologies	32
Clinical medicine	41	Other agricultural sciences	6
Computer and Information Sciences	45	Other humanities	5
Earth and related Environmental sciences	31	Other social sciences	9
Economics and business	30	Philosophy, Ethics and Religion	5
Educational sciences	11	Physical Sciences	26
Electrical engineering, electronic engineering,		Political Science	17
Information engineering	35	Psychology	15
Environmental biotechnology	2	Social and economic geography	4
Environmental engineering	17	Sociology	5
Health Sciences	21	Veterinary science	4
History and Archeology	7		
Industrial biotechnology	11	Total	657
Languages and literature	6		

“COST can help you meet those that are leading state-of-the-art science, and directly lead you onto even bigger projects.”

Dr Meryem Beklioglu, Middle East Technical University (METU), Turkey

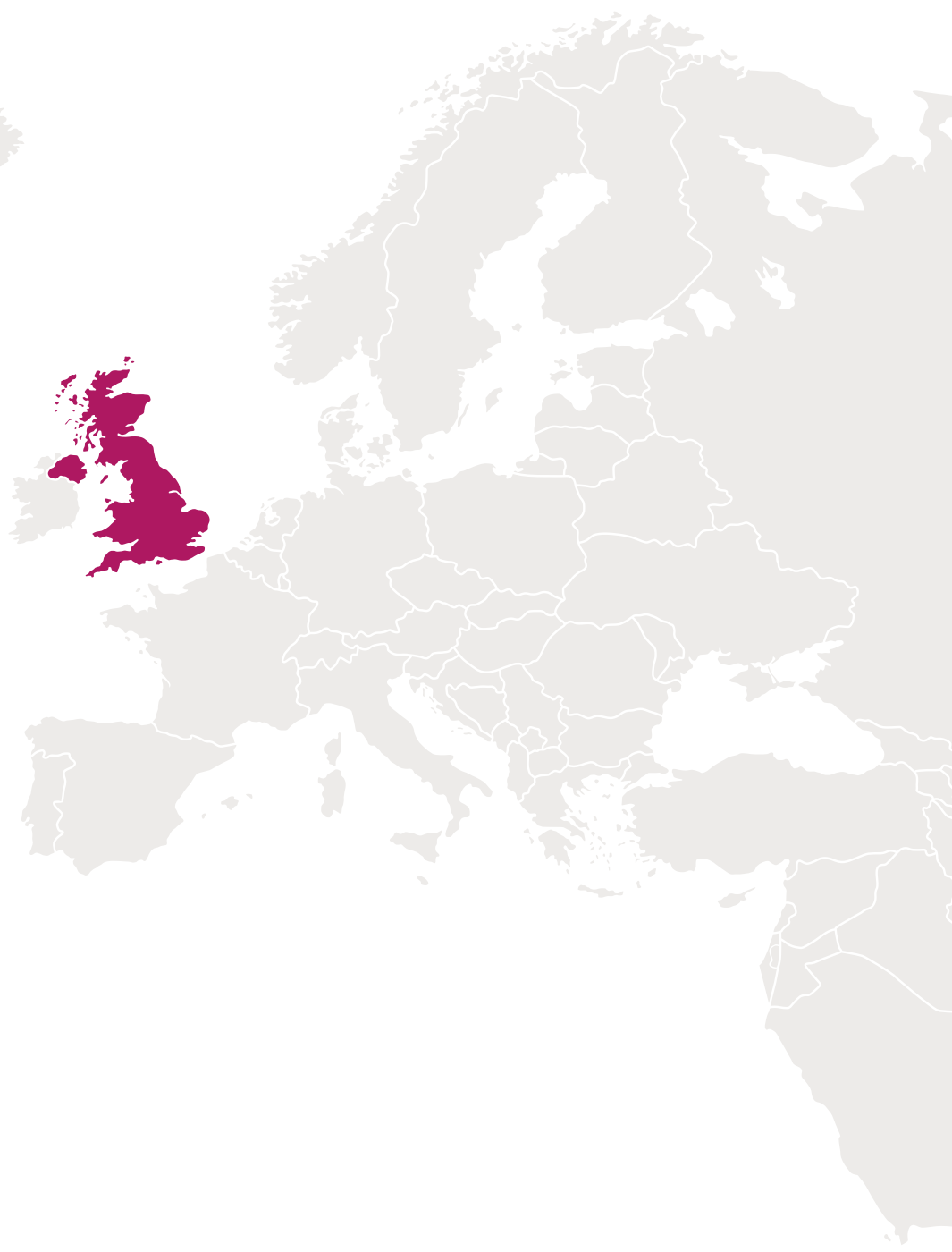
United Kingdom



Statistical data refers to 2017

REPRESENTING INSTITUTIONS

- Department for Business, Energy & Industrial Strategy (BEIS)

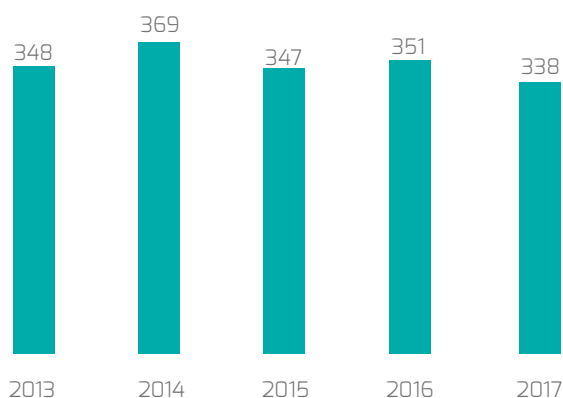


RUNNING ACTIONS LED BY THE UNITED KINGDOM

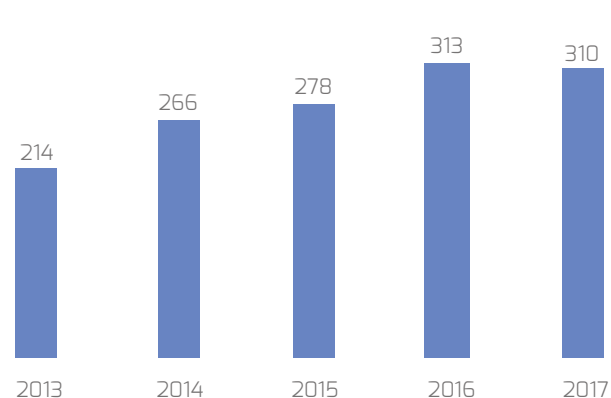
Examples of Chaired and Vice Chaired Actions

- > Epigenetic chemical biology ([EPICHEM](#))
- > Maximising Impact of research in NeuroDevelopmental Disorders ([MINDDS](#))
- > Functional Annotation of ANimal Genomes - European network ([FAANG-Europe](#))
- > In vitro 3-D total cell guidance and fitness
- > European network for innovative recovery strategies of rare earth and other critical metals from electric and electronic waste ([ReCreew](#))
- > Network for Evaluation of One Health ([NEOH](#))
- > Resilient communication services protecting end-user applications from disaster-based failures ([RECODIS](#))
- > European network on NMR Relaxometry
- > European network for collaboration on kidney exchange programmes
- > Advanced characterisation and classification of radiated emissions in densely integrated technologies ([ACCREDIT](#))
- > Realising the therapeutic potential of novel cardioprotective therapies
- > Overcoming barriers to nanofluids market uptake ([NANOUP TAKE](#))
- > European network on myalgic encephalomyelitis/Chronic fatigue syndrome ([EUROMENE](#))
- > Multi-functional nano-carbon composite materials network ([MultiComp](#))
- > Improving current understanding and research for sustainable control of the poultry red mite *Dermanyssus gallinae* ([COREMI](#))
- > Brillouin light scattering microspectroscopy for biological and biomedical research and applications
- > European cooperation for statistics of network data science ([COSTNET](#))

COUNTRY REPRESENTATION IN COST ACTIONS

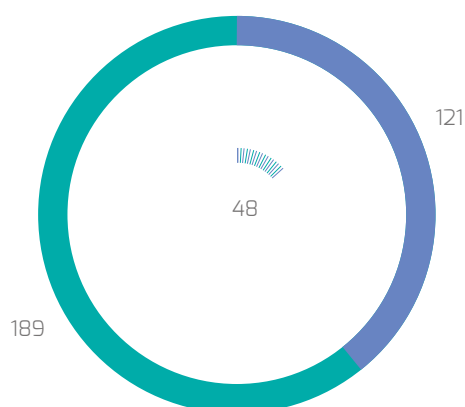


LEADERSHIP POSITIONS IN COST ACTIONS



A CLOSE LOOK AT LEADERSHIP POSITIONS

■ Women ■ Men /// Younger researchers

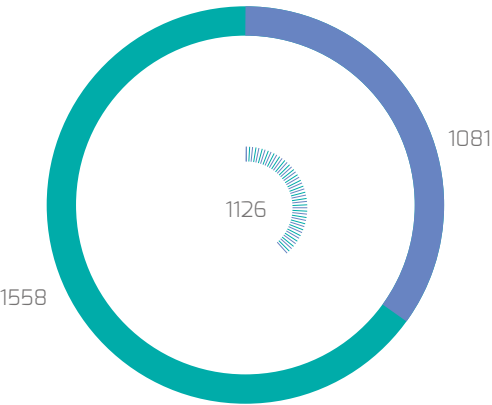


“ We managed to create a culture of trust among a vast group of researchers who do not necessarily agree on even the most basic things, such as research methods and interpretative frameworks. ”

Andrew Baldwin, Professor, Durham University

INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

Women Men Younger researchers



PARTICIPATION IN NETWORKING ACTIVITIES

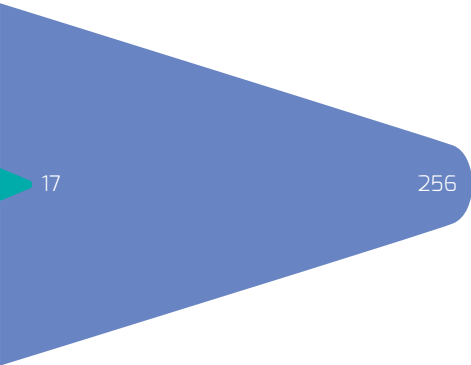
157
Short-term scientific missions

329
Trainees

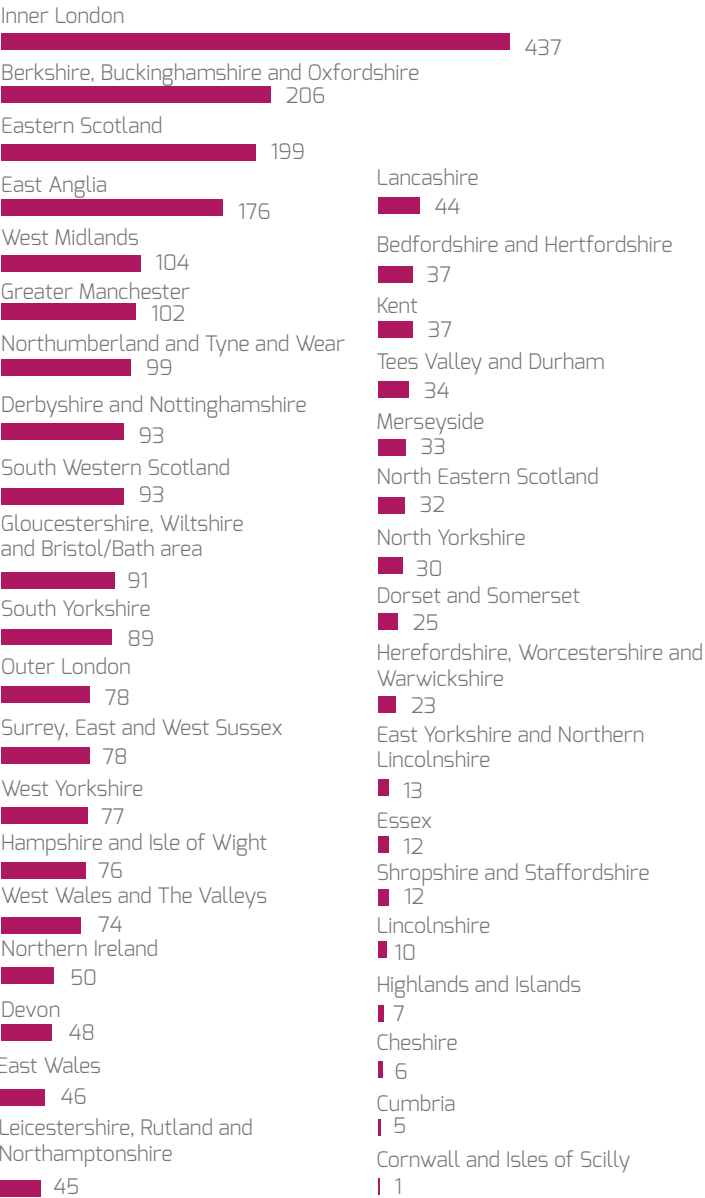
162
Trainers

NETWORKING ACTIVITIES IN THE UNITED KINGDOM

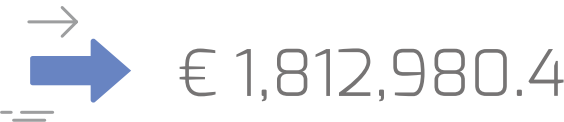
Short-term scientific missions Training schools



PARTICIPATION PER COUNTRY REGIONS



BUDGET RECEIVED



EXPERTISE OF PROPOSERS

Agricultural biotechnology	16	Law	39
Agriculture, Forestry, and Fisheries	37	Materials engineering	26
Animal and dairy science	3	Mathematics	83
Arts	22	Mechanical engineering	40
Basic medicine	37	Media and communications	31
Biological sciences	320	Medical biotechnology	19
Chemical engineering	34	Medical engineering	21
Chemical sciences	109	Nano-technology	12
Civil engineering	66	Other engineering and technologies	32
Clinical medicine	120	Other agricultural sciences	7
Computer and Information Sciences	199	Other humanities	19
Earth and related Environmental sciences	169	Other medical sciences	26
Economics and business	107	Other social sciences	65
Educational sciences	33	Philosophy, Ethics and Religion	32
Electrical engineering, electronic engineering,		Physical Sciences	145
Information engineering	88	Political Science	60
Environmental biotechnology	3	Psychology	69
Environmental engineering	20	Social and economic geography	28
Health Sciences	130	Sociology	76
History and Archeology	57	Veterinary science	12
Industrial biotechnology	9		
Languages and literature	28		
		Total	2449

“I feel more a part of a wider European research community than I ever did before. I would highly recommend other early-career scientists to apply for participation to COST!”

Dr Andrew Speak, Teaching Fellow, Manchester University

COST Association
Avenue Louise 149
1050 Brussels, Belgium
T +32 (0)2 533 3800
office@cost.eu

www.cost.eu



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EU Framework Programme Horizon 2020