

COST

European Cooperation in Science and Technology

Introduction to the COST Framework Programme





Outline

- What is COST and how does it work?
- What are the COST Actions and how to participate in them?
- How to prepare a successful proposal?



Growing ideas through networks

What is COST and how does it work?





What is COST?

COST (CO-operation in Science and Technology) is the longest-running European framework supporting cooperation among researchers, engineers and scholars by enabling them to jointly develop their own ideas and new initiatives across all fields in science and technology, including social sciences and humanities.



COST Features

- One networking instrument: the Action
- Open participation (involve all stakeholders, type of institutions, career levels, countries, at any time)
- Bottom-up approach (researcher driven, any topic/ multiple topics)
- Flexible (adaptable research and activities)



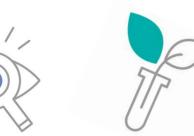
3 level scientific classification

6 Main Fields of Science:

- Natural Sciences,
- Engineering and Technology,
- Medical and Health Sciences,
- Agricultural Sciences,
- Social Sciences,
- Humanities
 - 41 Sub-fields of Science...
 - 719 areas of expertise (research areas)





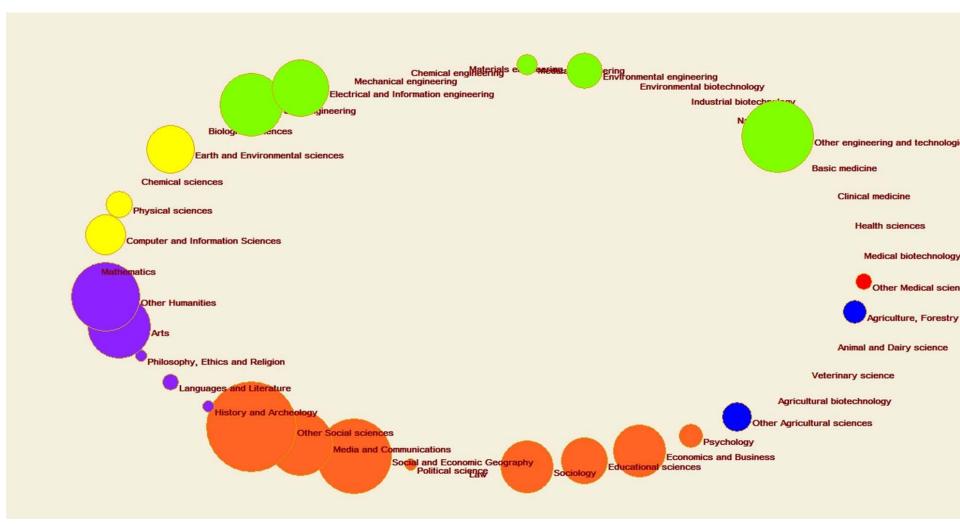








Multi- and Inter-disciplinarity in Actions: TU1306





COST Features

- Output oriented (open science, wide sharing of knowledge and results, open access, open innovation)
- Why Networks? Knowledge sharing leads to...
 - Common understanding of problems at hand
 - Coordinated activities
 - Pooling resources
 - Reduced risks
 - Synthesis and re-combination of spread pieces of knowledge
 - Innovation
 - Synergies (1+1>2)



Growing ideas through networks

What are the COST Actions and how to participate in them?





COST Actions – characteristics

- A network of researchers, engineers and scholars with nationally funded research
- From at least seven COST member Countries
- Collaborating in S&T fields of common interest
- Expandable to new participants





COST Actions – characteristics

- Based on a 4 years joint work programme (MoU)
- Submitted, evaluated and selected through an Open Call for proposals
- Implemented through a range of networking activities (Meetings, Workshops, Short Term Scientific Missions, Training Schools, etc.)
- Average annual support of EUR 129 000



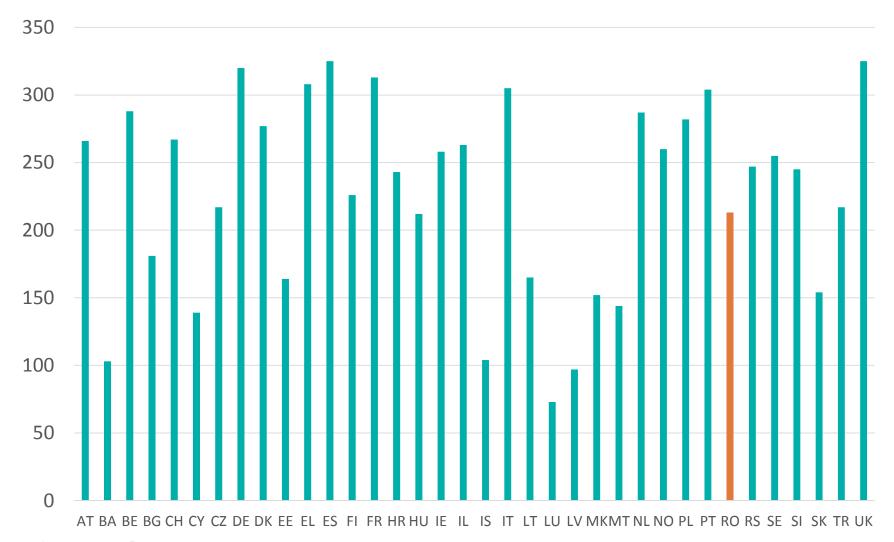
Join an Action

- As a Management Committee (MC) member
- As a Working Group (WG) participant
- Short Term Scientific Missions
- Training school
- Workshop/Conference

• . . .



COST members' Action participation in 2016





37 COST members EU 28 **EU Candidates and Potential** Candidates Bosnia and Herzegovina **fYR** Macedonia Montenegro Republic of Serbia Turkey Other countries Iceland Norway Switzerland COST Cooperating Member Israel



Core policies



Excellence and inclusiveness (widening the European research base)

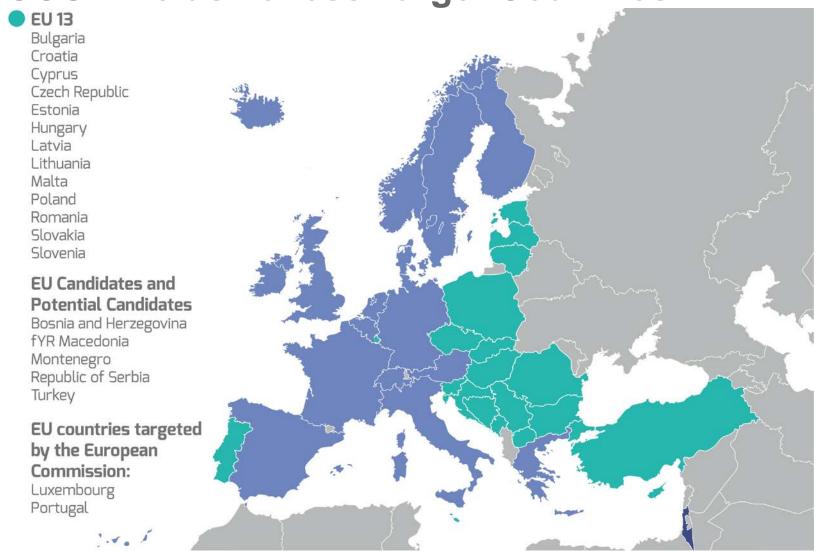
- Strengthening the excellence through cross-border networking of researchers
- Promoting geographical, age and gender balance throughout its activities and operations

Specific objectives

- International cooperation (mutual benefit, NNC,...)
- Industrial dimension (dedicated dissemination and exploitation activities)



COST Inclusiveness Target Countries



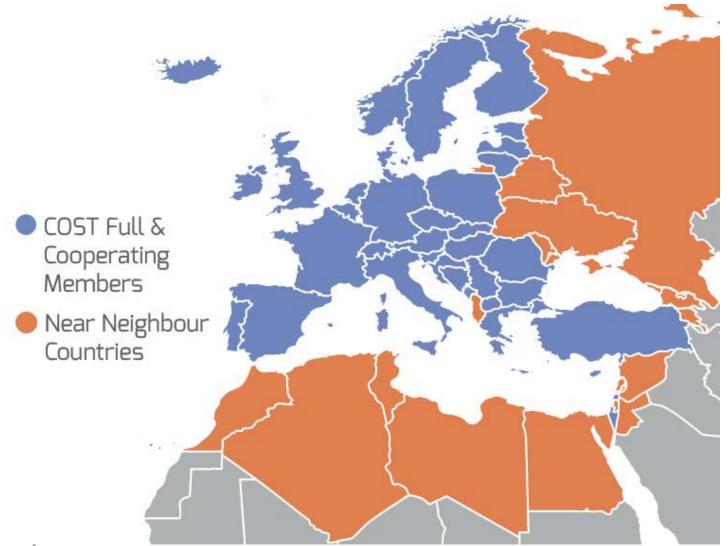


Task force measures to increase spending for researchers from ITC

- Require COST Action proposals to have a minimum of 7 countries represented in the proposal, as well as a minimum of ITCs amongst represented countries in the proposal, according to a lookup table
- Reserve at least 1 of the key Action position available for participants from ITCs
- Introduce a conference grant for PhD students and Early Career Investigators
- Examine the possibility for a mentoring scheme targeting young ITC researchers

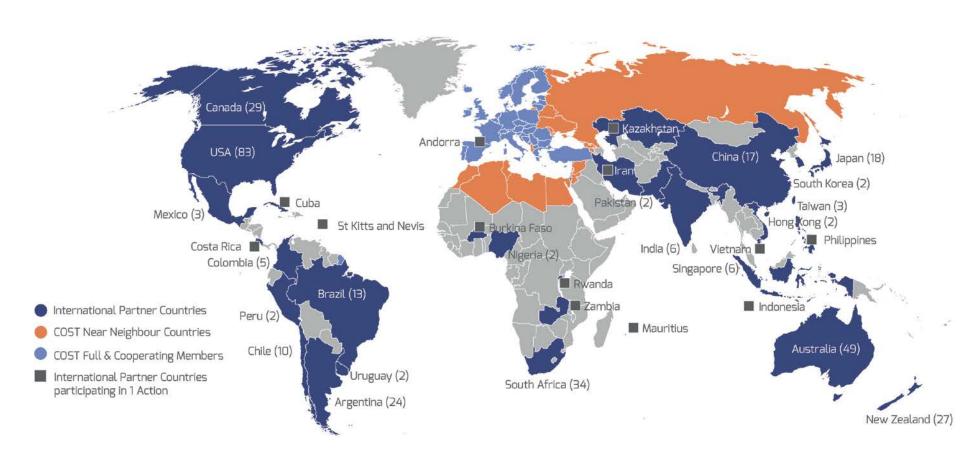


Near Neighbour Countries





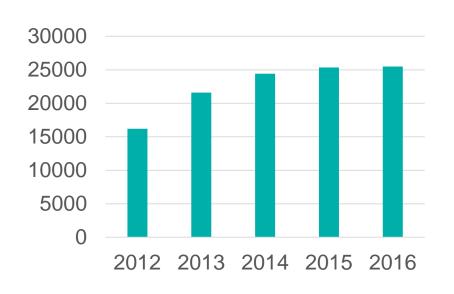
International Partner Countries



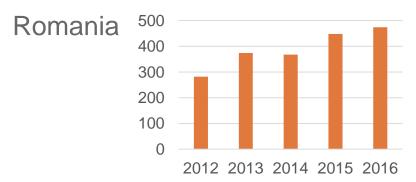


Key figures 2016

1) >25000 supported researchers





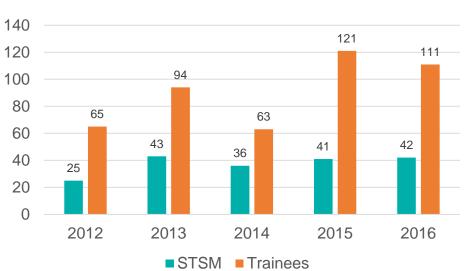




Key figures 2016

2700 Short Term Scientific Missions (STSM) 4500 Trainees in Training Schools

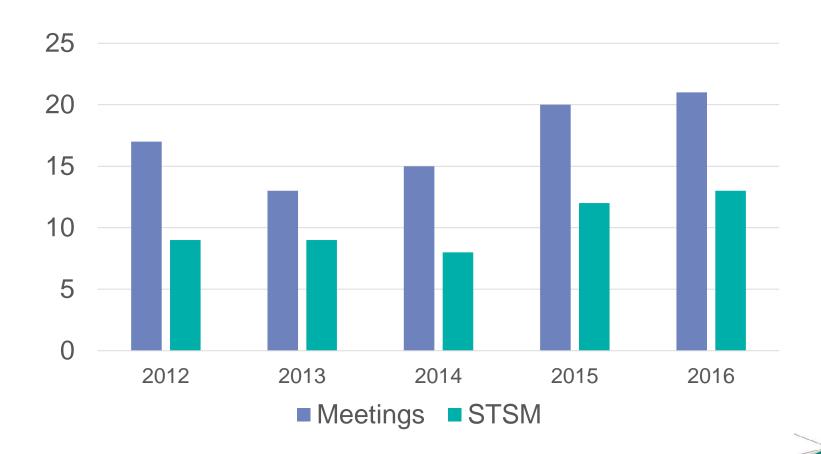
Romania







Meetings and STSM held in Romania





Stepping stone for young researchers

- 96% STSM participants indicated improved career opportunities as a consequence of their participation
- Springboard for further funding (ERC Grants and MSCA)





Romania's participation in COST Actions

- Management Committee level
 - Romania participates in about 65% of the COST Actions, signing the Memorandum of Understanding and nominating the MC members.
- COST Actions' leadership position
 - Based on December 2016 data, one active MC Chairs from Romania leading the Action BMBS TD1303.
- In networking activities
 - The participation in networking activities shows an increasing trend in the recent years (from 264 in 2011 to 478 in 2016).



Reasons for participation of SME's: Network and Information driven

- Participation in COST Actions allow SME's
 - To find partners for research projects and proposals
 - To stay up-to-date with new research
 - To exploit new technologies
 - To retrieve first-hand information
 - To know the key researchers in a specific field
 - To increase European/international visibility
 - 820 SMEs are currently involved in COST Actions

Targeted impact assessment of participation of non-academic partners in COST Actions (2016 Study)



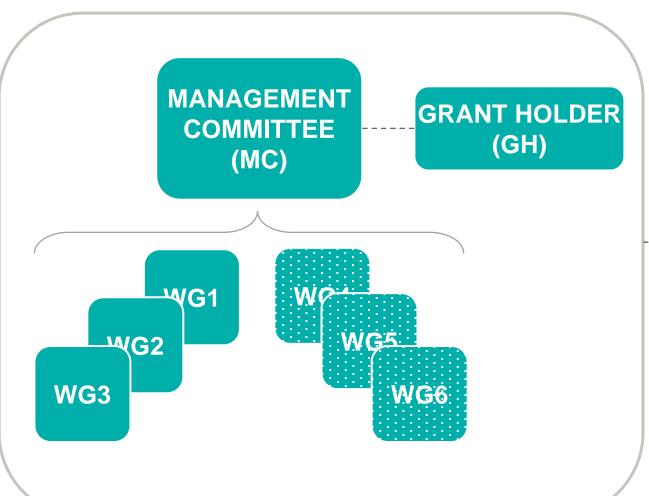
Examples of Industry and SMEs

- COST Action FA1305: The EU Aquaponics Hub -Realising Sustainable Integrated Fish and Vegetable Production for the EU:
 - In the Management Committee there are 5 MC members that are coming from SMEs
- COST Action FA1402: Improving Allergy Risk Assessment Strategy for new food proteins (ImpARAS)
 - The Vice Chair of the COST Action is from Unilever



COST Action Structure





COST
Association
Administration



Action Management Committee (MC)



- Decides and coordinates scientific & networking activities
- Supervises the allocation and use of funds
- Decides on international cooperation and dissemination strategy
- Implements COST policies (excellence and inclusiveness)
- Key roles: Chair, Vice-Chair, Grant Holder, WG leaders, Dissemination leader,...



Action Working Groups







- 3 to 6 WG as set in the proposal
- Perform specific research tasks as set in the Memorandum of Understanding
- Open to participating COST member countries and approved international participations
- Ad hoc meetings



Supported activities

- Meetings (participation and organisation)
- Short Term Scientific Missions (STSM)
- Training Schools
- Dissemination activities and meeting
- Reviewing (proposals/Actions)

Reimbursement rules: see Vademecum





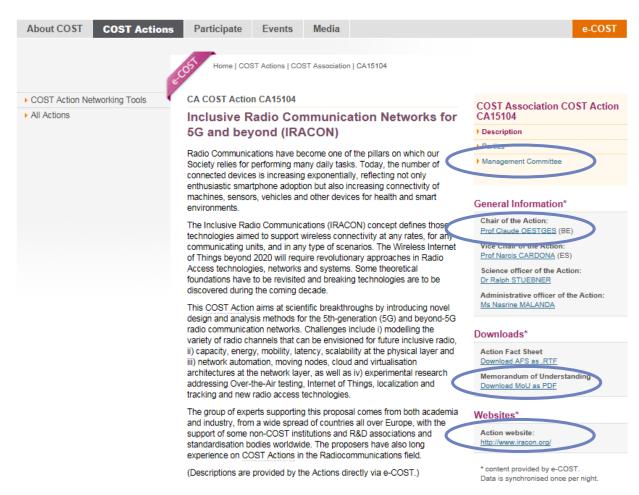
Join an Action – who to contact?

- As a Management Committee (MC) member
 - Contact: CNC (and MC Chair)
- As a Working Group (WG) participant
 - Contact: national MC representative or WG leader
- Short Term Scientific Missions, Training schools, Workshops,...
 - Contact: see Action website



Search an Action/contact







Join an Action

- Search existing Actions in your topic from the COST website
- Browse the Action's own website check their activities
- Find if your country participates and, if yes, who is/are the national representatives
- Contact the relevant person



Grant Holder



- Elected by the Management Committee
- Signs the yearly Grant Agreement with the COST Association
- Receives and administers the Grant according to the Work and Budget plan (3 instalments)
- Average Grant: EUR 129.000/year
- May retain up to 15% of the yearly expenses
- Financial reporting to COST
- Reimburse the individual participants according to the Vademecum



Growing ideas through networks

How to prepare an Action proposal





Open Call for proposals

- in all S&T fields
- contributing to the scientific, technological, economic, cultural or societal knowledge advancement and development of Europe
- closing the gap between science, policy makers and society throughout Europe and beyond
- providing for knowledge share and creation
- being open and output oriented
- responding to COST Excellence and Inclusiveness Policy



Open Call for proposals

- anytime submission
- next collection: 7 Sept.2017 12:00 noon (CET)
- 25 to 40 Actions approved in each collection, subject to budget availability
- one-stage online submission
- by a Main Proposer (on behalf of a network)
- 7~8 months evaluation period
- guidelines and template on cost.eu/opencall



Open Call for proposals – key documents

e-COST

e-COST is a portal for COST Action participants' registration and financial reporting

Link to e-COST portal

Key Documents

- COST Open Call Submission, Evaluation, Selection and Approval (SESA) Guidelines (PDF, 235 kB)
- Technical Annex (DOCX, 176 kB)

Source: cost.eu/opencall

- Online submission
- Guidelines
- Proposal template

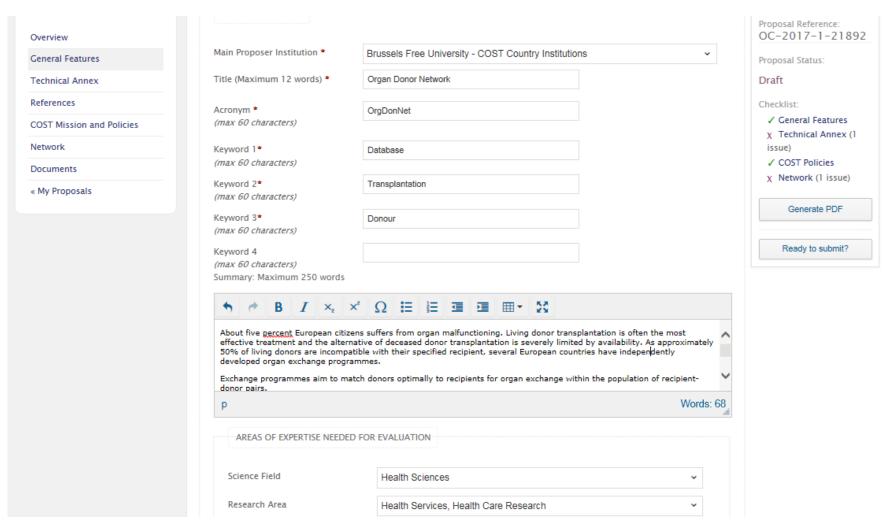


Open Call for proposals - eligibility

- coordinated by a main proposer in a COST Full or Cooperating Member state
- represent a network of proposers from at least 7
 COST Full/Cooperating Member states (min. ICT)
- anonymous: no reference to the participants in the network of proposers
- peaceful purposes
- respect the word or page limits
- written in English



Online submission tool (e-COST)*





Open Call for proposals - submission

SECTIONS		
GENERAL FEATURES	Online tool	Expertise needed for Evaluation
TECHNICAL ANNEX	PDF upload	MAX 15 PagesFigures and Pictures - Copyright
REFERENCES (optional)	Online tool	■ 500 words
COST POLICIES & SPECIFIC OBJECTIVES	Online tool	 1000 words Excellence and Inclusiveness International Cooperation Industrial Dimension
NETWORK of PROPOSERS	Online tool	 Minimum 7 researchers from 7 COST Member/Cooperating State (ICT share) Statistical Information used for evaluation



Open Call for proposals - submission

SECTIONS	SUB-SECTIONS	
	Challenge	
	Objectives	
S&T EXCELLENCE	Progress beyond the State-of-the-art and	
	Innovation Potential	
	 Added value of networking 	
IMPACT	Expected Impact	
IIVIPACT	 Measures to Maximise Impact 	
	Description of the Work Plan	
IMPLEMENTATION	 Management Structures & Procedures 	
	Network as a whole	



Thank you

COST – European Cooperation in Science and Technology Avenue Louise 149 1050 Brussels, Belgium opencall@cost.eu

www.cost.eu



www.facebook.com/COST.Programme



twitter.com/COSToffice



www.linkedin.com/groups?gid=1699127

