



COST
European Cooperation in Science and Technology

<http://www.cost.eu>
<http://tubitak.gov.tr/uidb/cost>

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Presentation Outline



- COST Overview
 - COST General Information
 - Members
 - Organizational Structure
 - Thematic Fields
- COST Actions
 - COST Action Support
 - Action Structure
 - Action Management Committee
 - Action Statistics
- Benefits of Participation in COST
- Participation in COST Action
 - Participation in an Ongoing COST Action
 - Proposing a new COST Action
 - Being a COST Expert
- COST Policies
 - Excellence and Inclusiveness Policy
 - International Cooperation Policy
 - SME and Industry Cooperation Policy
- COST Performance of Turkey

COST OVERVIEW



COST was established in 1971 in order to support interaction and cooperation among the European researchers. Turkey is one of the founding members.

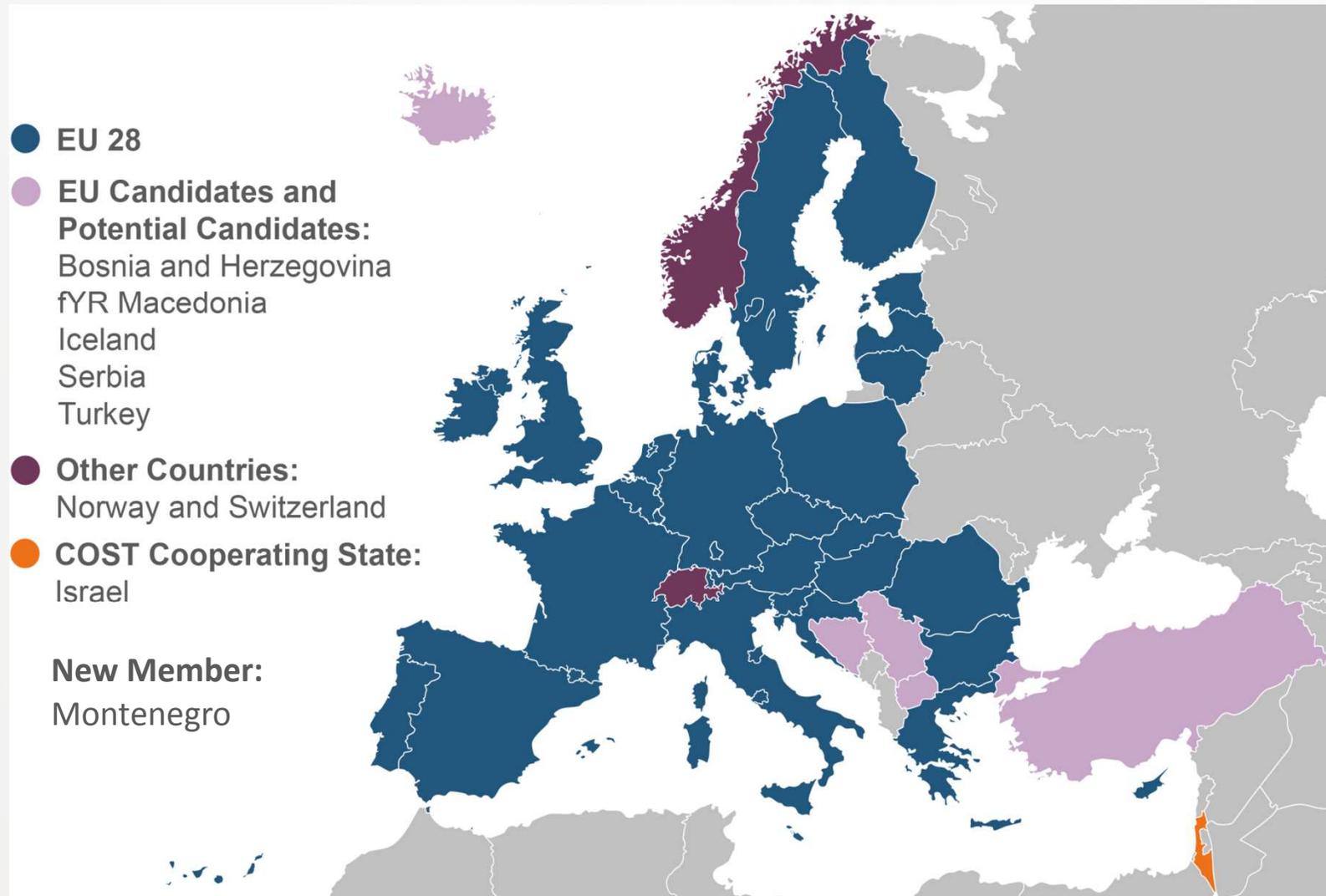


COST provides the integration of nationally supported research projects' coordinators into scientific networks called «Actions» at European level.

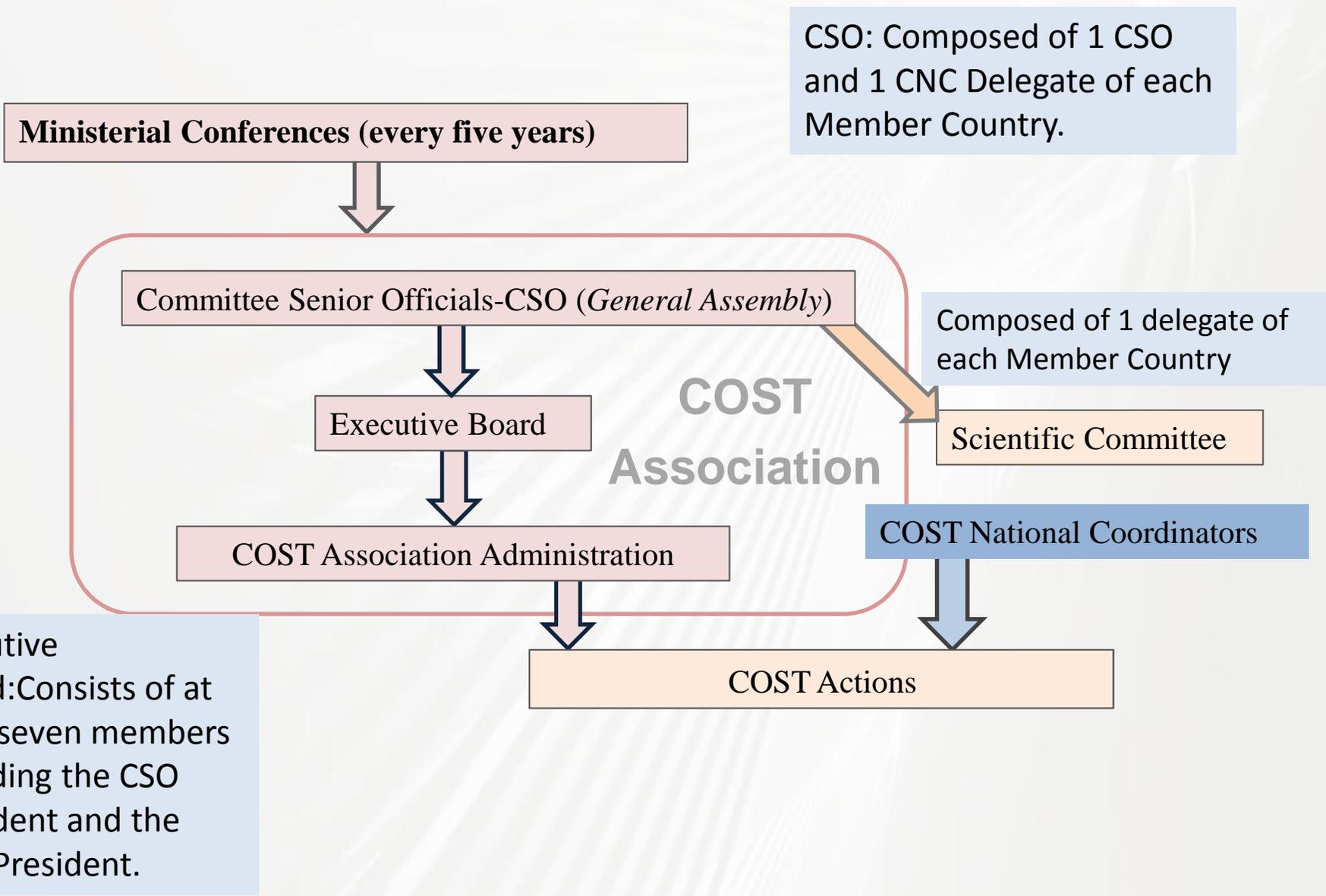


In Turkey, the scientific coordination of COST is conducted by TUBITAK.

COST Member Countries- 36 Members



Organizational Structure



Biomedicine and Molecular Biosciences (BMBS)

Chemistry and Molecular Sciences and Technologies (CMST)

Earth System Science and Environmental Management (ESSEM)

Food and Agriculture (FA)

Forests, their Products and Services (FPS)

Individuals, Societies, Cultures and Health (ISCH)

Information and Communication Technologies (ICT)

Materials, Physics and Nanosciences (MPNS)

Transport and Urban Development (TUD)

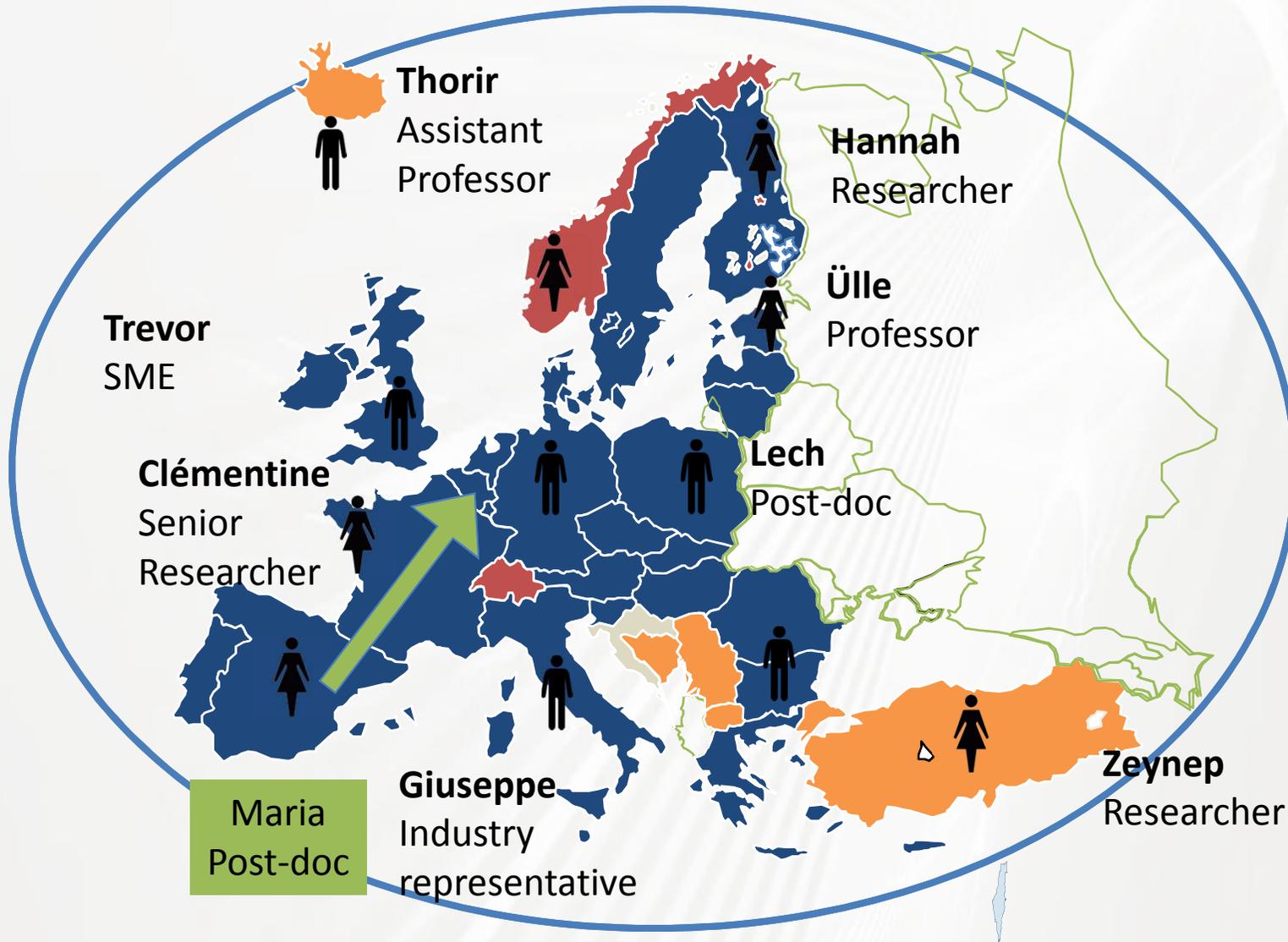
Trans-Domain Proposals (TDP)

COST ACTIONS

Network of researchers

- ❑ Collaborating in research fields of interest at least 5 COST Countries
- ❑ Selected via the COST Open Call for proposals
- ❑ Objectives and deliverables defined in the Action's Memorandum of Understanding
- ❑ Duration of 4 years
- ❑ Expandable to new participants
- ❑ Average Annual COST Budget EUR 130 000 to perform networking activities

How A COST Action is Established



COST DOES NOT FUND RESEARCH



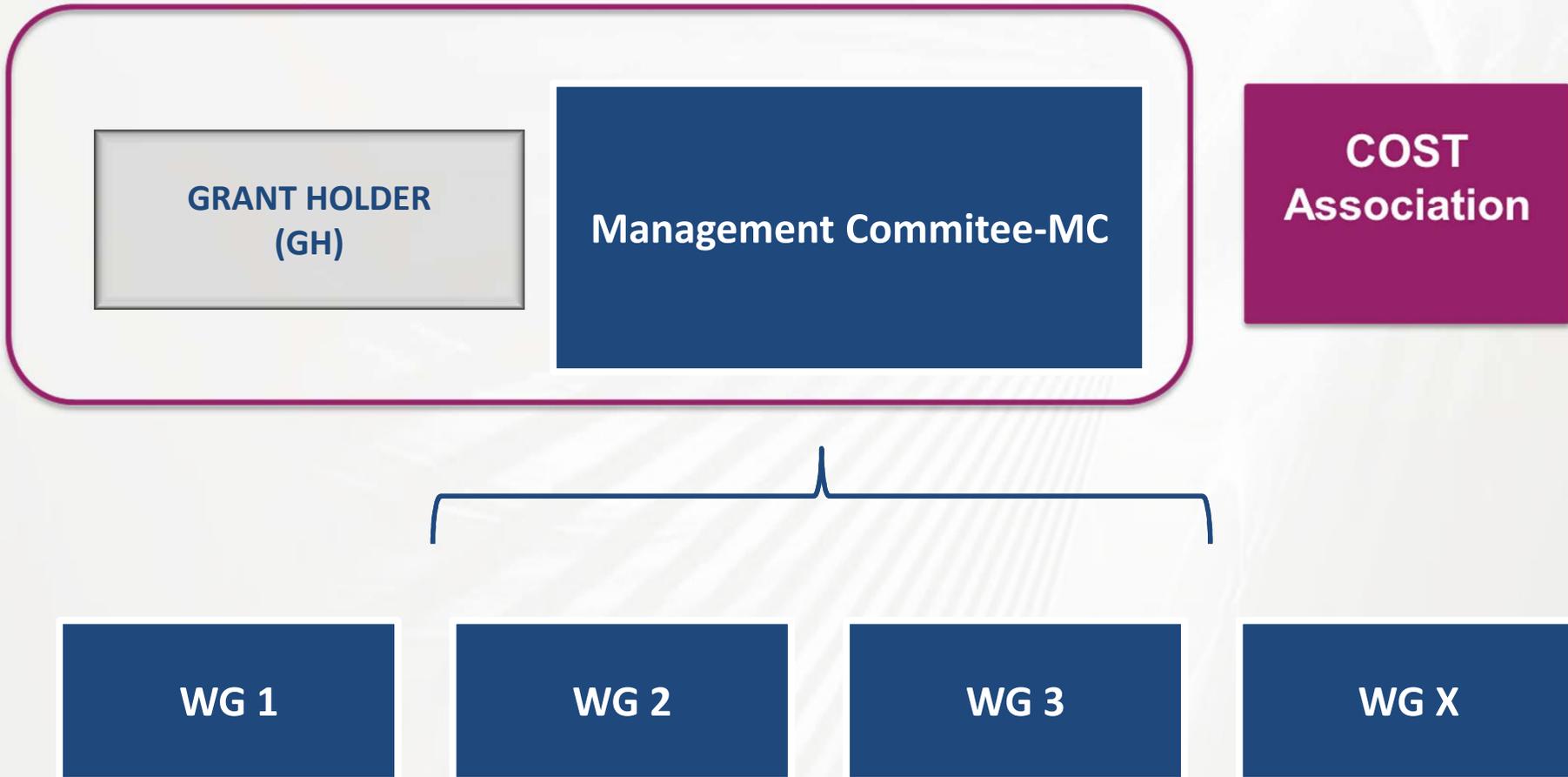
While COST is providing network support, national institutions like TUBITAK provide research support.

COST covers the meeting participation costs of 2 MC members and 2 WG members from each country.

Researchers are nominated to Management Committees by TUBITAK and they are nominated to Working Groups by Action Management.

COST is financed out of the European Union research budget through Horizon 2020.

COST Action Structure



COST Management Committee;

- ❑ Is responsible from coordination, implementation and management of an action.
- ❑ Is supervising the appropriate allocation and use of funds.
- ❑ Is responsible from achieving the Action's MoU objectives.
- ❑ Is composed of Delegates nominated by their respective COST National Coordinator (CNC).
- ❑ Is composed of up to 2 representatives per Participating COST Country.

- ❑ >340 Running Action
- ❑ 45.000 researchers involved in COST Actions' activities
- ❑ 2550 Short-Term Scientific Missions
- ❑ 4000 Trainees involved in Training Schools
- ❑ In the last call:845 eligible proposals – 40 funded

BENEFITS OF PARTICIPATION IN COST

- ❑ Participation in an ongoing COST action: MC Membership
- ❑ Participation in COST MC and WG Meetings
- ❑ Participation in a network composed of European researchers working in a similar thematic field
- ❑ The possibility of preparing H2020 and other projects via coming together with the best European researchers in their field

- ❑ If your proposed Action is accepted, benefiting from TUBITAK's COST Action Main Proposer's Prize
- ❑ If your proposed Action is accepted, being effective in deciding the number and places of Action meetings
- ❑ If your proposed Action is accepted, recognition at European level
- ❑ If your proposed Action is accepted, chairmanship of the action

PARTICIPATION IN COST ACTIONS

There are 3 ways of participating in COST:

1. Participating in an ongoing COST action:

Participating in an ongoing COST Action as MC Member. Nomination of a researcher as Action Management Committee member to one of the 300 ongoing Actions related with his/her research topic.

Participating in an ongoing COST Action as WG Member. It is necessary to get into contact with COST Action Management. The nomination to WGs is made by COST Action Management.

Participation in an Ongoing COST Action



- ▶ **All Actions**
- ▶ Biomedicine and Molecular Biosciences (BMBS)
- ▶ Chemistry and Molecular Sciences and Technologies (CMST)
- ▶ Earth System Science and Environmental Management (ESSEM)
- ▶ Food and Agriculture (FA)
- ▶ Forests, their Products and Services (FPS)
- ▶ Individuals, Societies, Cultures and Health (ISCH)
- ▶ Information and Communication Technologies (ICT)
- ▶ Materials, Physics and Nanosciences (MPNS)
- ▶ Transport and Urban Development (TUD)
- ▶ Trans-Domain Proposals

All Actions

This section gives an overview of all past and running Actions with descriptions provided by the Actions directly. Click on the Action of your interest. Alternatively, use the detailed search option in the top right corner of your screen or visit the Domain pages below.

Search for COST Action

Full text search

search in title only

all Domains

Action number

Start date from End date until

e.g. 28/04/2010

Page **1** | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |

Action 1 to 30 of 1172

▶ show all Actions on one page

Sort by Action No Name of Action Start date End date

- ▶ MP1406 | Multiscale in modelling and validation for solar photovoltaics (MultiscaleSolar) | 07 May 2015 - 07 May 2019
- ▶ MP1404 | Simulation and pharmaceutical technologies for advanced patient-tailored inhaled medicines (SimInhale) | 04 May 2015 - 04 May 2019
- ▶ MP1405 | Quantum structure of spacetime (QSPACE) | 30 April 2015 - 30 April 2019
- ▶ IS1408 | Industrially Contaminated Sites and Health Network (ICSHNet) | 29 April 2015 - 29 April 2019
- ▶ IS1410 | The digital literacy and multimodal practices of young children (DigiLitEY) | 24 April 2015 - 24 April 2019
- ▶ MP1407 | Electrochemical processing methodologies and corrosion protection for device and systems miniaturization (e-MINDS) | 23 April 2015 - 23 April 2019
- ▶ TD1407 | Network on technology-critical elements - from environmental processes to human health threats | 15 April 2015 - 15 April 2019
- ▶ IS1407 | Ancient European languages and writings (AELAW) | 13 April 2015 - 13 April 2019
- ▶ FA1408 | A European Network for Foodborne Parasites (Euro-FBP) | 30 March 2015 - 30 March 2019

http://www.cost.eu/COST_Actions/all_actions

MPNS COST Action MP1401

Advanced fibre laser and coherent source as tools for society, manufacturing and lifescience

Descriptions are provided by the Actions directly via e-COST.

Among the different types of Lasers, fibre lasers are, both as research and commercially, the youngest, yet the fast growing type of laser due to several factors. This Action will be the first arena where experts in fundamental material science, established laser and component groups, fibre laser manufacturers and end-users will be able to actively interact, share know-how and focus on common goals. We do expect to boost a series of innovations in the field. Among them we aim to cover the 3-6 micron wavelength interval, and beyond, to support mid-infrared applications and to enhance fibre performance to cover more efficiently visible and ultra-violet wavelength generation for biophotonics and healthcare. The Action will also investigate glass material and fibre design to overcome the actual limitation in output power. The improvements will mainly boost healthcare to benefit wide society and EU manufacturing to retain and increase manufacturing workforce within EU. The Action will mentor a new generation of researchers by providing Early Stage Researchers an opportunity to develop both scientific and management skills. At the same time the Action will actively promote gender balance and women researchers to management positions.

Materials, Physical and Nanosciences COST Action MP1401

- ▶ Description
- ▶ Parties
- ▶ Management Committee



General Information*

Chair of the Action:
[Prof Stefano TACCHEO](#) (UK)

Vice Chair of the Action:
[Prof Roberta RAMPONI](#) (IT)

Science officer of the Action:
[Dr Fatima BOUCHAMA](#)

Administrative officer of the Action:
[Ms Milena STOYANOVA](#)

Downloads*

Action Fact Sheet
[Download AFS as .RTF](#)

Memorandum of Understanding
[Download MoU as PDF](#)

Websites*

Domain website:
<http://www.cost.eu/mpns>

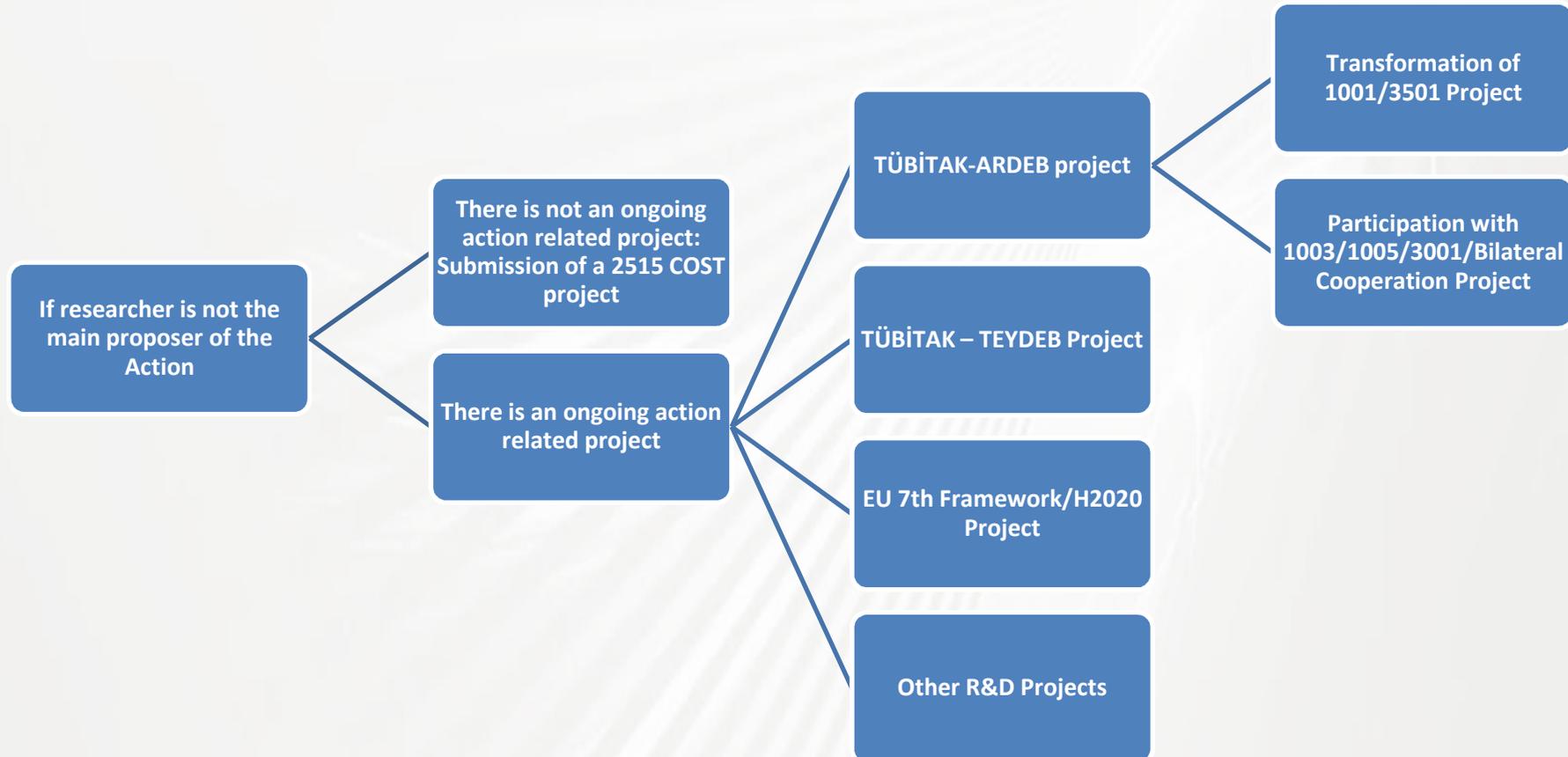
* content provided by e-COST.
Data is synchronised once per night.

Action information, MC quota control, action managers

- **Being Proposer of an approved COST Action**

- 1. If research support is not asked:
Direct nomination as MC member**
- 2. If research support is asked :Submission
of a 2515 COST project to TÜBİTAK**

Participation in COST Actions



If there is not an ongoing project-Submission of a 2515 COST project to TUBITAK



- Researchers should visit COST web site: www.cost.eu and check whether the Action MC quota is suitable.

- After reading the Action MoU, researchers should submit their online project via <http://uidb-pbs.tubitak.gov.tr/>.

- Evaluation of COST project by the TUBITAK Research Grant Committees (3-4 months)

- Nomination of supported project's coordinator as MC Member to the related action.

If there is an ongoing project-Transformation of 1001/3501 project into COST



- Researchers should visit COST web site: www.cost.eu and check whether the Action MC quota is suitable.

- Researcher should evaluate whether or not the ongoing 1001-3501 project's topic is related with the Action's MoU.

- The researcher should initiate the transformation process by sending a letter to the related Research Grant Committees.

- Evaluation of the relevance of the project with the Action topic by the Research Grant Committee

- Nomination of project's coordinator as MC member

If there is an ongoing project-Participation with TUBITAK Supported 1003/1005/3001/Bilateral Project



• Researchers should visit COST web site: www.cost.eu and check whether the Action MC quota is suitable.

• The researcher should evaluate whether or not the ongoing 1003/1005/3001/Bilateral project's topic is related with the Action's MoU.

• The researcher should send a letter to International Cooperation Department giving information on with which project he/she wants to participate to the Action

• The International Cooperation Department sends the relevant documents for the evaluation to Research Grant Committees

• Evaluation of the relevance of the project with the Action topic by the Research Grant Committee

• Nomination of the researcher as MC member to the Action

If there is an ongoing project-TUBITAK Supported Private Sector Project



• Researchers should visit COST web site: www.cost.eu and check whether the Action MC quota is suitable.

• The researcher should evaluate whether or not the ongoing 1501,1505, 1507, 1509 or 1511 project's topic is related with the Action's MoU.

• The researcher should send a letter to International Cooperation Department giving information on with which project he/she wants to participate to the Action

• The International Cooperation Department sends the relevant documents for the evaluation to the Technology and Innovation Funding Programs Directorate.

• Evaluation of the relevance of the project with the Action topic by the Technology and Innovation Funding Programs Directorate

• Nomination of the researcher as MC member to the Action

If there is an ongoing project- EU FP7 or H2020 Project



• Researchers should visit COST web site: www.cost.eu and check whether the Action MC quota is suitable.

• The researcher should evaluate whether or not the ongoing EU FP7 or H2020 project's topic is related with the Action's MoU

• The researcher should send the relevant documents of the project and a letter for his/her intention to participate in the related Action to International Cooperation Department

• The International Cooperation Department sends the relevant documents for the evaluation to Research Grant Committees

• Evaluation of the relevance of the project with the Action topic by the Research Grant Committee

• Nomination of the researcher as MC member to the Action

If there is an ongoing project-Other R&D projects

• Researchers should visit COST web site: www.cost.eu and check whether the Action MC quota is suitable.

• The researcher should evaluate whether or not the ongoing Public Institution/University/Research Center/Research Hospital supported project's topic is related with the Action's MoU

• The researcher should send the relevant documents of the project and a letter for his/her intention to participate in the related Action to International Cooperation Department

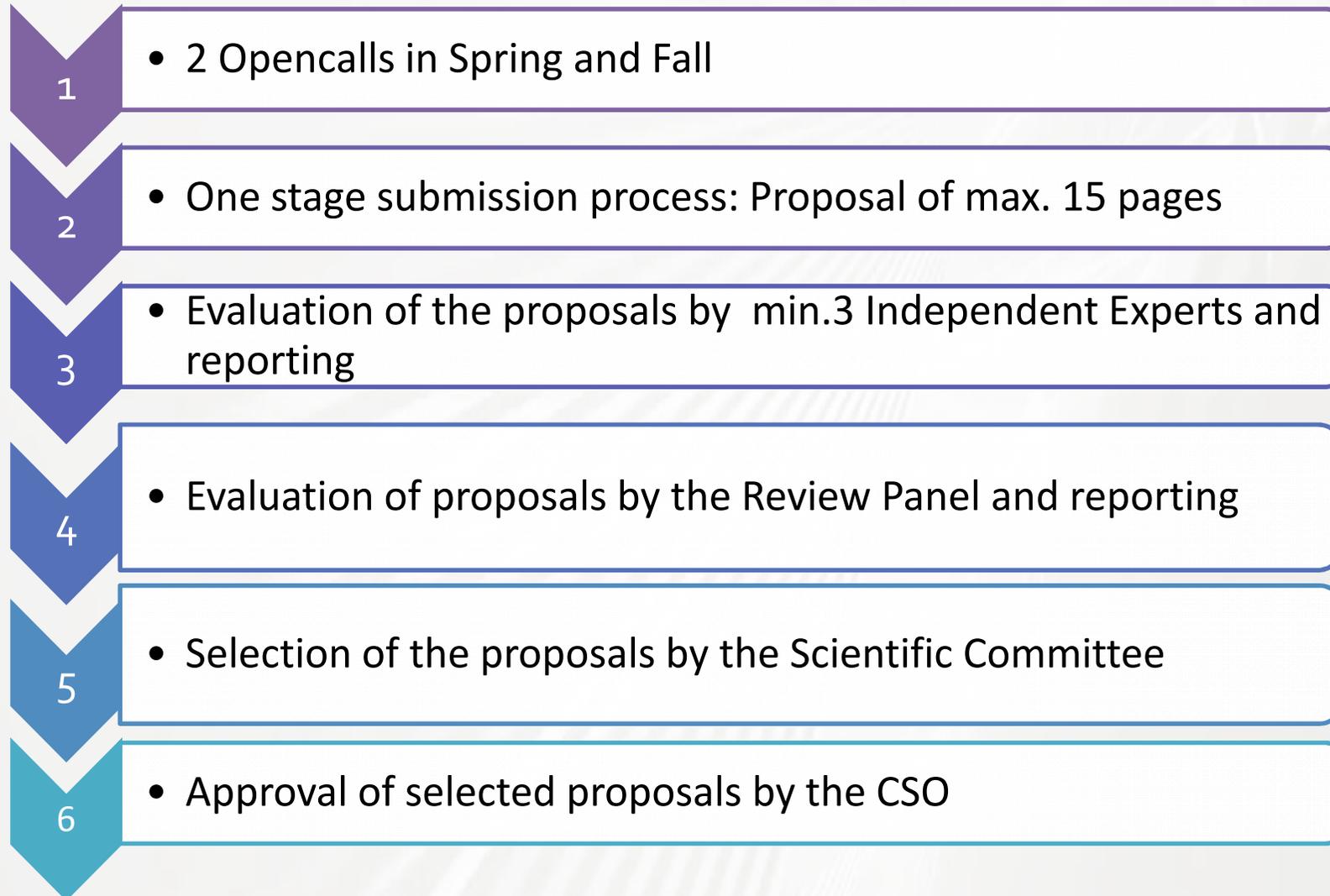
• The International Cooperation Department sends the relevant documents for the evaluation to Research Grant Committees

• Evaluation of the relevance of the project with the Action topic by the Research Grant Committee

• Nomination of the researcher as MC member to the Action

1. **Proposing a new Action:** Researchers from one COST Member Country can propose a new Action directly to COST in collaboration with at least 4 COST Member Countries' researchers.
 - Proposing a new Action different from the ongoing 300 actions,
 - Online submission via the opencall web page of COST,
 - Network support rather than research support,
 - Support of 40 actions in each call.

Open Call System for New Action Proposals



Eligibility Criteria

- Represent a network of proposers from at **least 5** COST Member Countries or Cooperating State with researchers, engineers or scholars having a **registered e-COST profile**
- **Be coordinated by a Main Proposer in a COST Member Country or Cooperating State**
- Be **anonymous**, hence not contain any reference to the names and/or institutions of the participants in the network of proposers
- Address science and technology challenges destined only for **peaceful purposes**
- **Respect word or page limits** as described in the SESA (Submission, Evaluation, Selection and Approval) Guidelines
- **English**, the working language of the COST Association
- **Not be identical with another submitted proposal**

Practical Details in Proposing a COST Action- SESA Guidelines Should Be Absolutely Read



SECTION		
GENERAL FEATURES	Online tool Mandatory	<ul style="list-style-type: none"> ▪ Key Expertise needed for Evaluation ▪ OECD Fields / Subfields of Science and Technology plus Research Areas
TECHNICAL ANNEX	PDF Mandatory	<ul style="list-style-type: none"> ▪ MAX 15 Pages ▪ Anonymity ▪ Figures and Pictures - Copyright
REFERENCES	Online tool Optional	<ul style="list-style-type: none"> ▪ 500 words ▪ Anonymity
COST MISSION & POLICIES	Online tool Mandatory	<ul style="list-style-type: none"> ▪ 500 words ▪ Excellence and Inclusiveness ▪ International Cooperation ▪ Industrial Dimension
NETWORK of PROPOSERS	Online tool Mandatory	<ul style="list-style-type: none"> ▪ Minimum 5 researchers from 5 COST Member Countries and/or Cooperating State ▪ Statistical Information that will be used for evaluation

Practical Details in Proposing a COST Action- Technical Annex



SECTIONS	SUB-SECTIONS
S&T EXCELLENCE (Total Mark: 25 Points)	<ul style="list-style-type: none">▪ Challenge▪ Objectives▪ Progress beyond the State-of-the-art and Innovation Potential▪ Added value of networking
IMPACT (Total Mark: 20 Points)	<ul style="list-style-type: none">▪ Expected Impact▪ Measures to Maximise Impact▪ Potential for Innovation versus Risk Level
IMPLEMENTATION (Total Mark: 20 Points)	<ul style="list-style-type: none">▪ Description of the Work Plan▪ Management Structures & Procedures▪ Network as a whole

Total Mark : 65 points

Overall Threshold: 45 points

Challenge

- Description of the Challenge (Main Aim)
- Relevance and timeliness

Objectives

- Research Coordination Objectives
- Capacity-building Objectives

Progress beyond the state-of-the-art and Innovation Potential

- Description of the state-of-the-art
- Progress beyond the state-of-the-art
- Innovation in tackling the challenge

Added value of networking

- In relation to the Challenge
- In relation to existing efforts at European and/or international level

Expected Impact

- Short-term and long-term scientific, technological, and/or socioeconomic impacts

Measures to Maximise Impact

- Plan for involving the most relevant stakeholders
- Dissemination and/or Exploitation Plan

Potential for Innovation versus Risk Level

- Potential for scientific, technological and/or socioeconomic breakthroughs

Description of the Work Plan

- Description of Working Groups
- GANTT Diagram
- Risk and Contingency Plans

Management Structures and Procedures

Network as a whole

- ❑ Strong competition: be ambitious
- ❑ Start: start early – a proposal preparation needs time
- ❑ Become acquainted with the **COST Open Call: Submission, Evaluation, Selection and Approval (SESA) guidelines** (in preparation)
- ❑ Have a clear view over the Action structure and 4 year strategy
- ❑ Present a clear strategy on the integration of researchers from inclusiveness countries (ex: Grant Holder, STSM,...)
- ❑ If you have the chance, have a **native speaker check the English**
- ❑ BUT - Perfect English is not necessary, it is the **clarity + consistency** which counts and increases your chances



COST Action Main Proposer Prize

- This Prize is given to the Turkish Main Proposer (not expert) of the Action approved by the CSO and whose Grant Agreement was signed.
- The application rules are given in the web page: <http://www.h2020.org.tr/>

COST Action Main Proposer Prize



COST ACTION MAIN PROPOSER PRIZE	Payment
If the accepted action has been proposed in the priority thematic fields	2.500 Euro is paid to Turkish Main Proposer for once
If the accepted action has not been proposed in the priority thematic fields	1.500 Euro is paid to Turkish Main Proposer for once

3. Being a COST Expert:

- Contribution to the evaluation of COST Action Proposals
- Participation in the assessment of Action results and outcomes
- To be a COST Expert: Registration at www.cost.eu/experts
 - An updated CV with a list of publications is required to demonstrate competence in specific areas of expert



COST POLICIES



Aim:

- ❑ Encourage and enable researchers from less research-intensive countries across the COST Member Countries to set up and/or join COST Actions and get more intensively involved in all COST activities.
- ❑ Counterbalance research communities unequal access to knowledge infrastructures, funding and resources distribution
- ❑ Connecting “pockets of excellence” in science and technology operating from diverse locations in Europe

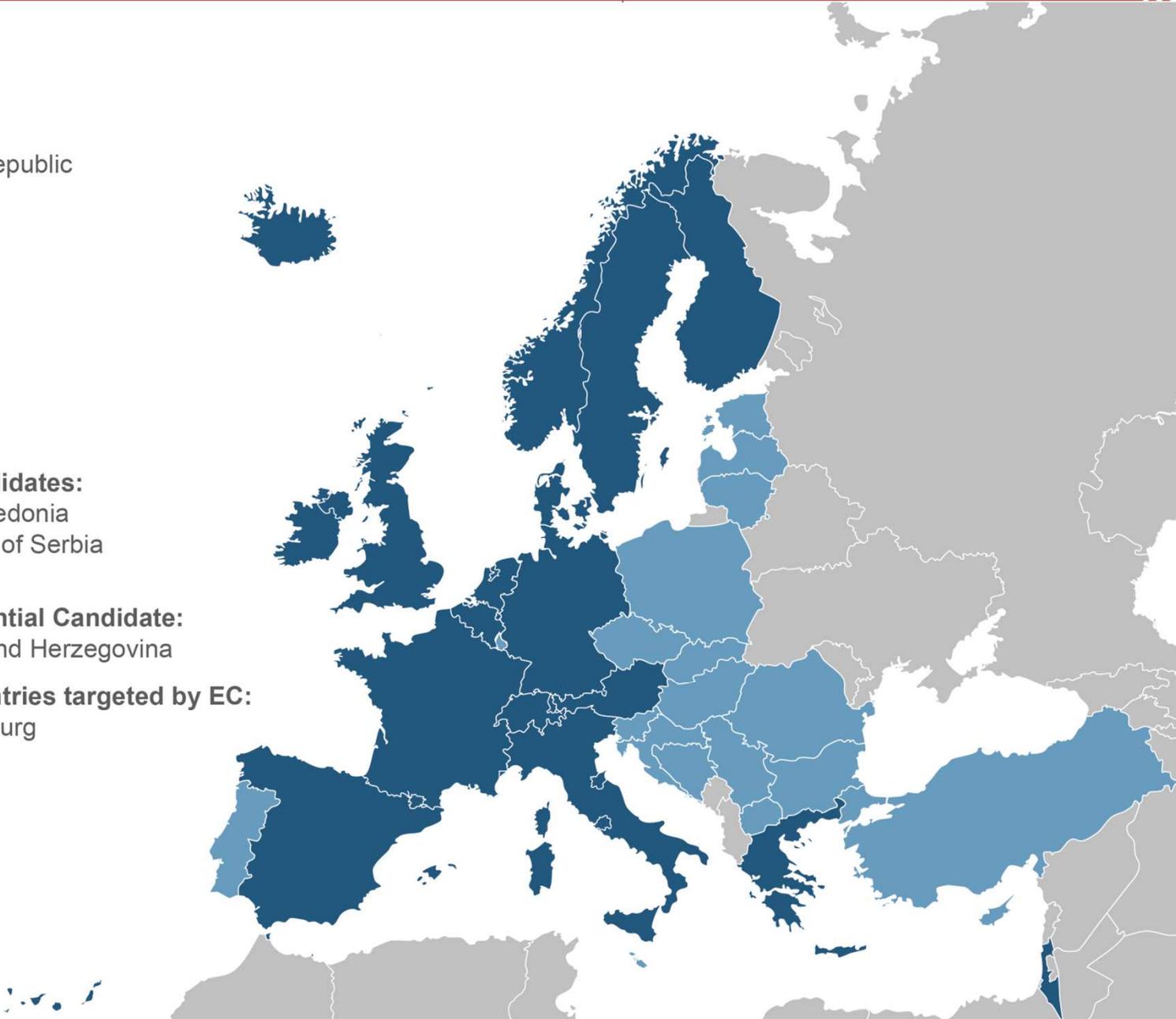
COST Inclusiveness Target Countries

- **EU 13:**
 - Bulgaria
 - Croatia
 - Cyprus
 - Czech Republic
 - Estonia
 - Hungary
 - Latvia
 - Lithuania
 - Malta
 - Poland
 - Romania
 - Slovakia
 - Slovenia

- EU Candidates:**
 - fYR Macedonia
 - Republic of Serbia
 - Turkey

- EU Potential Candidate:**
 - Bosnia and Herzegovina

- EU Countries targeted by EC:**
 - Luxembourg
 - Portugal



Implementation Strategy by the MC

Example:

- Leadership roles
- Organising and locating Action meetings and events
- Benefiting from COST networking tools
- Promoting STSMs
- Action Think Tank for Early Career Investigators

Implementation Strategy by the MC

Aiming to support the involvement of researchers from Near Neighbour and International Partner Countries in COST Actions on the basis of mutual benefit.

Example:

- Approved IPC and NNC Institutions can host STSMs
- Researchers from approved IPC and NNC Institutions can be Trainers when Training Schools are organised

Implementation Strategy by the MC

Aiming to facilitate/ encourage industry participation

Example:

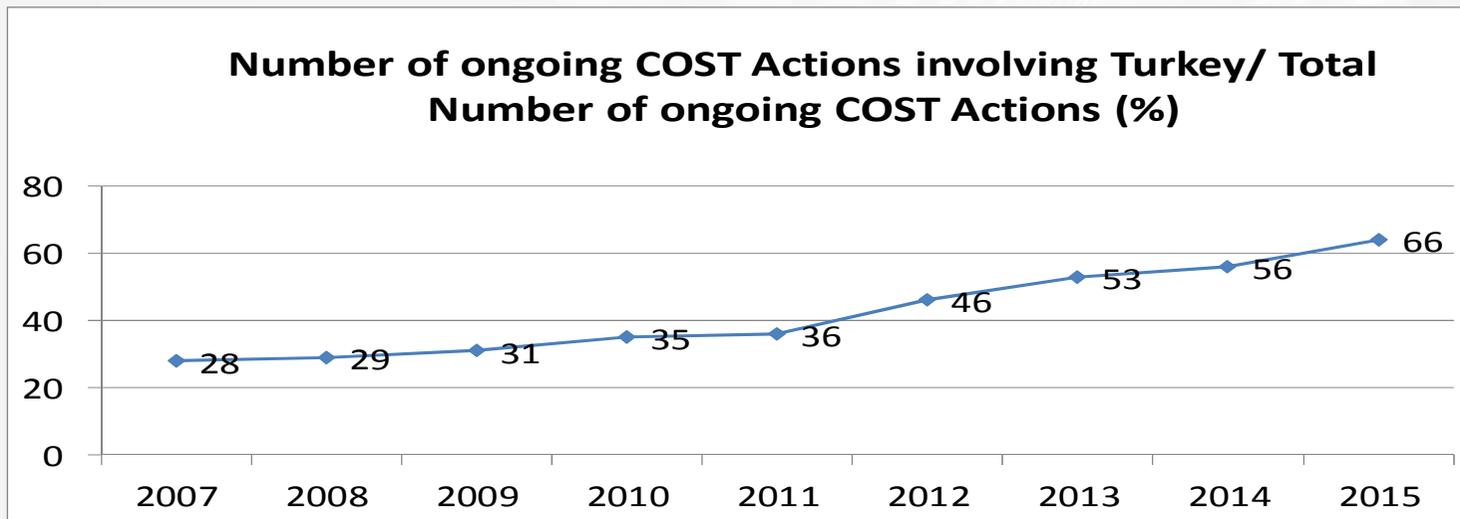
- Session dedicated to industrial participation at Action events
- Roundtable discussions with industrial partners at Action events
- STSMs with industry acting as home/ host institution

TURKEY'S PERFORMANCE IN COST

Turkey's COST Performance is increasing



2007	2008	2009	2010	2011	2012	2013	2014	2015 April
28 (62/222)	29 (68/238)	31 (78/255)	35 (95/270)	36 (92/257)	46 (117/252)	53 (178/333)	56 (194/343)	66 (219/328)



There are 43 MC/MC Substitute members from Bilkent University participating in 34 ongoing COST actions.

Contact Information



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Bilateral and Multilateral Relations Division**

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