

**COST**

**European Cooperation in Science  
and Technology**

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**25/2/2022**

- MENDELU
- Faculty of Forestry  
and Wood
- Technology

# COST

**COST (CO-operation in Science and Technology) is a pan-European intergovernmental framework dedicated to networking activities for European researchers, enabling them to jointly develop their own ideas and new initiatives across all scientific disciplines through trans-European coordination of nationally funded research activities.**

# What is COST?

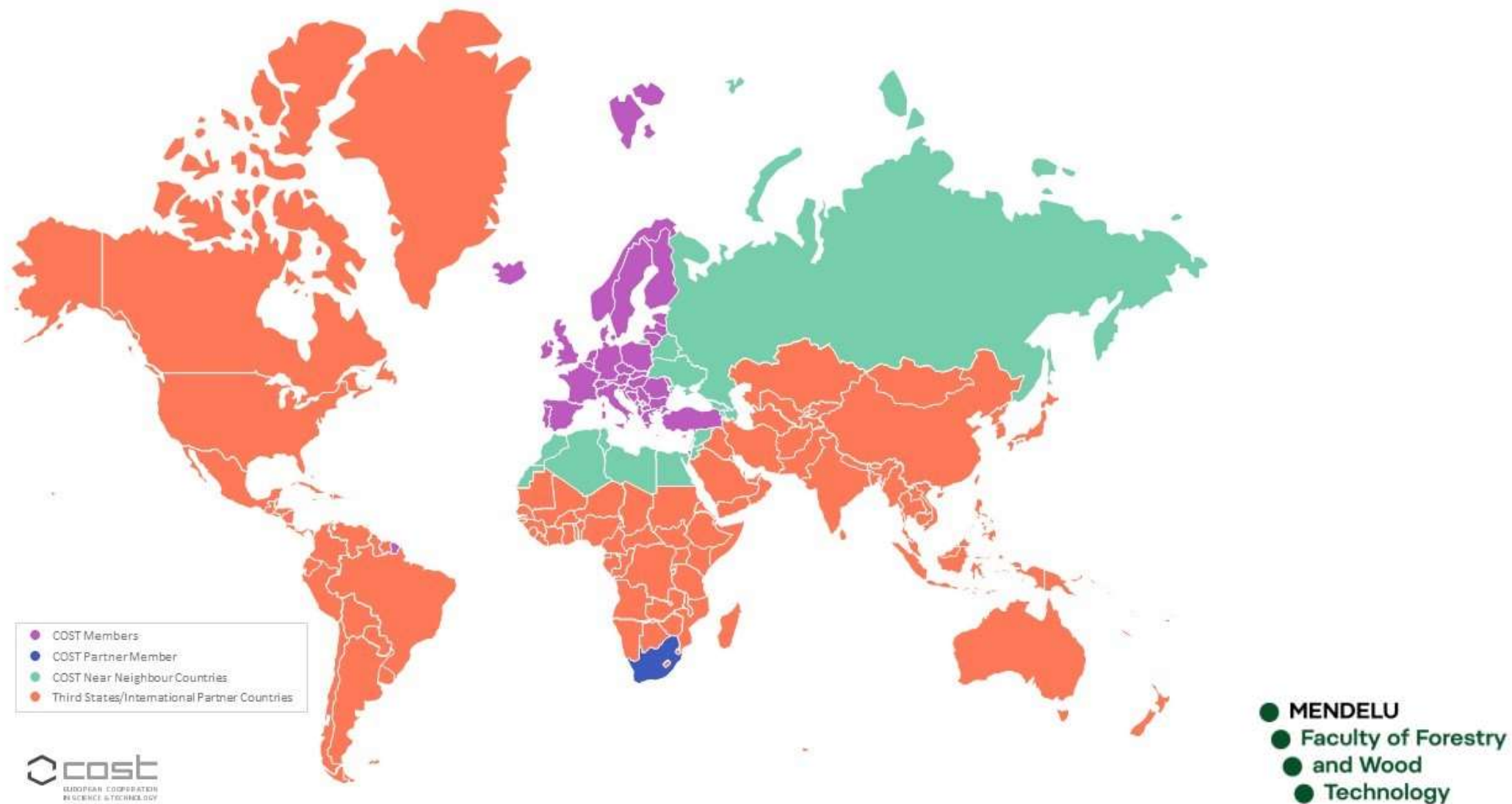
- Longest-running European framework supporting cooperation among researchers, engineers and scholars
- Enabling developing new ideas and new initiatives in all S&T fields
- Established in 1971
  
- Networking instrument: Action
- Bottom-up approach
- Flexible
- Involve all stakeholders, type of institutions, career levels, countries, at any time



# COST stands on

- Three strategic priorities:
  - promoting and spreading excellence;
  - fostering interdisciplinary research for breakthrough science;
  - empowering and retaining young researchers.
- Development of European-based scientific and technological networks in any domain
- Exploitation of the research outcomes by integrating all stakeholders,
- Intensifying links between scientific communities, enterprises, policy makers and society
- Dissemination of results of such research activities to improve their impact
- Provision for collaboration opportunities
- Facilitation of the international collaboration of the European research networks
- Developments for the European Cooperation in Science and Technology in the context of the European Research Area based on European and global developments

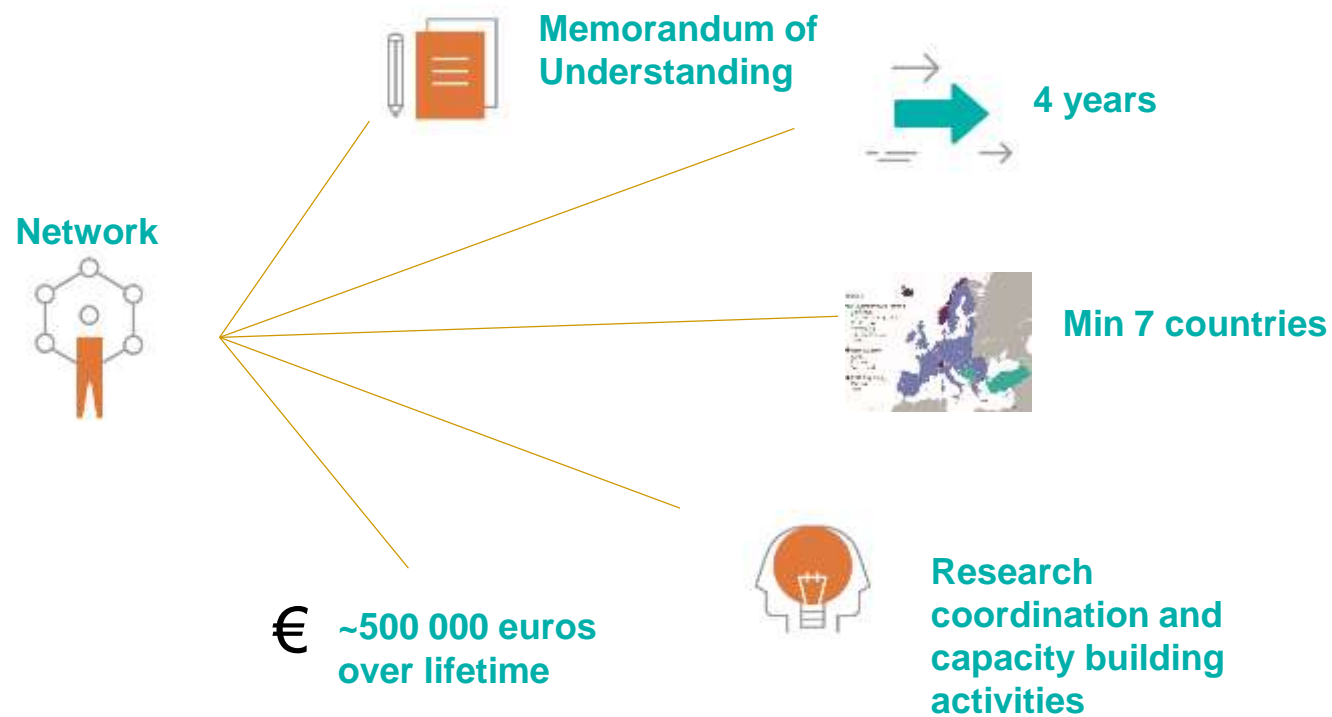
# International partner countries



# COST Actions

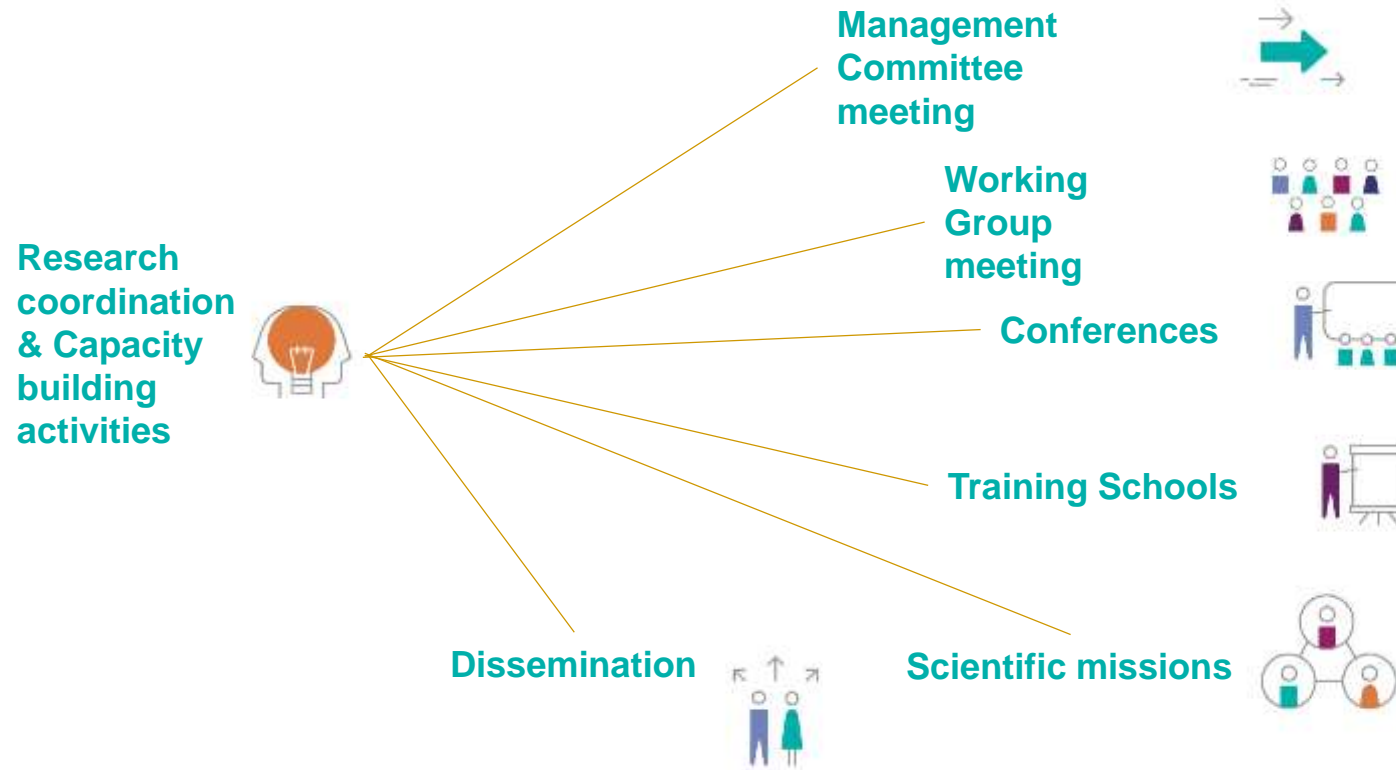
- Pan-European
  - inter-governmental framework spans over 38 Full Members and one Cooperating Member;
- Bottom-up
  - Any S&T fields and topics
- Open
  - Actions can grow in size;
- Unique
  - Platform to coordinate national research funding and resources within a well-defined framework;
- Multi-, Inter- and Transdisciplinary:
  - Bridging different research communities, disciplines, fields and methodologies
- Output and Impact-Oriented
  - Actions are monitored against their expected output and impact

# What are the COST Actions?



- MENDELU
- Faculty of Forestry and Wood
- Technology

# What are the networking tools of a COST Action?





# Benefits of participation in a COST Action

scientific	career	networking
work on <b>topics not yet funded</b> by other sources	Get <b>experience</b> in scientific and/ or administrative <b>management</b> (i.e. leading/ organising training schools disseminating research results)	can participate in any <b>H2020/ Horizon Europe</b> project at the same time
become <b>member of leading scientific networks</b> - without going through a possibly risky and exclusive proposal preparation	participating at <b>short term scientific missions</b>	can participate in more <b>COST Actions</b> at the same time “a la carte” access to existing networks by having an overview of all the running Actions <b>without going through a possibly risky and exclusive proposal preparation</b>
<b>publication</b>	<b>Increasing visibility</b> by hosting and/or participating at additional scientific events	<b>extend one’s network</b>
engage with <b>peers</b>	becoming a <b>Grant Holder</b>	<b>reimbursement</b>


# Joining existing COST action

[Home](#) > [COST Actions](#) > Browse Actions

Action or Innovators Grant number or text

Search

Search in Title Only

More filters 

Show: 10  Order by: Approval Date  



**CA20128** | 08/11/2021 - 07/11/2025  
Promoting Innovation of ferMENTed fOods



**CA20125** | 02/11/2021 - 01/11/2025  
Applications for zoosporic parasites in aquatic systems



**CA20134** | 28/10/2021 - 27/10/2025  
Traces as Research Agenda for Climate Change, Technology Studies, and Social Justice



**CA20127** | 27/10/2021 - 26/10/2025  
Waste biorefinery technologies for accelerating sustainable energy processes



**CA20119** | 27/10/2021 - 26/10/2025  
European andrology network– research coordination, education and public awareness



**CA20132** | 26/10/2021 - 25/10/2025  
Urban Tree Guard - Safeguarding European urban trees and forests through improved biosecurity

## 9 COST Action starts

With the first meeting of its decision making body (Management Committee).

## 8 Decision communication

If approved, you are now informed about the CSO decision.

## 7 CSO decision

The Committee of Senior Officials (CSO), the governing board of COST, approves the shortlisted Actions to receive funding.

## 6 Scientific Committee

A committee of independent, high-level experts selecting the proposals best reflecting COST's mission and policies. They set up a final list of proposals for the Committee of Senior Officials (CSO).

## 5 Review Panel

An ad hoc group of experts - they take a final decision on proposals where consensus was not reached (step 4). They also set up a proposal ranking.

## 1 Idea and team

You propose an innovative idea linked to a specific challenge in your field of expertise, potentially leading to a scientific or technological breakthrough. You need to have at least seven (7) peers interested in the idea, from at least seven (7) COST Members.

### TIPS

- Identify your research challenge and explain how tackling it could lead to breakthroughs
- Demonstrate how networking helps tackle the challenge
- Present a detailed plan to reach your objectives in 4 years
- Show you are able to engage the right stakeholders, having a balanced European participation, gender representation and various career stages
- Explain how you will maximise the impact of your idea

## 2 Proposal completion

Complete your proposal via e-COST, the online submission tool.

Guidelines available on [www.cost.eu/opencall](http://www.cost.eu/opencall)

## 3 Proposal collection

Proposals are collected at the end of October 2020.

## 4 External experts

Three independent external experts evaluate each proposal's focus on excellence in science and technology, on impact and implementation, and draw up a consensus report.

Your way  
to a  
COST Action

29 October

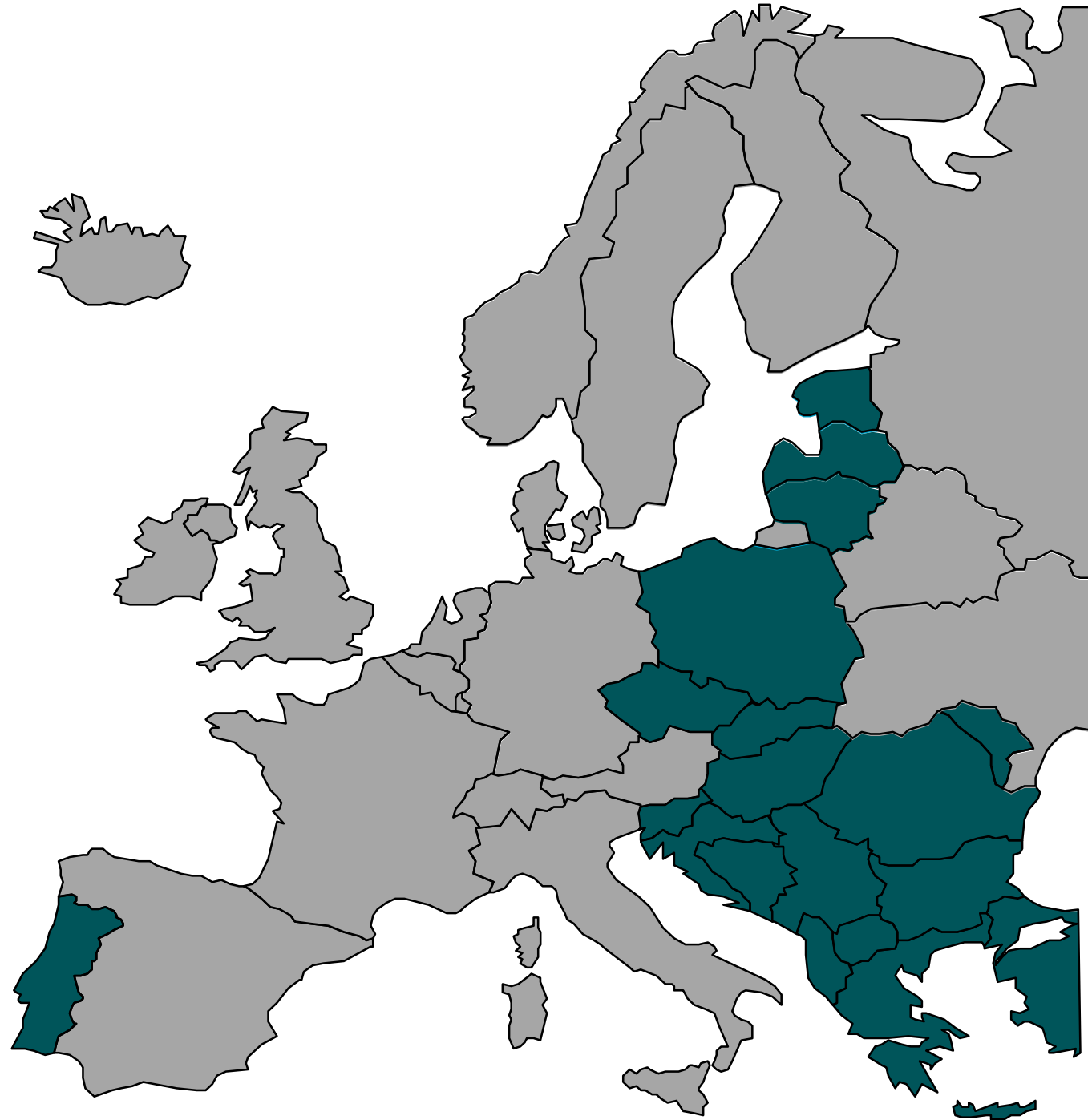
April

# COST Open Call

- Deadline 20 October 2022 at 12:00 noon
- Collaborating in S&T fields of common interest to at least seven COST Countries – at proposal stage ITC minimum 50%
- Based on a joint work programme for 4 years
- Expandable to new participants
- Implemented through networking activities
  - Meetings, Working Groups, Conferences, Workshops, Short Term Scientific Missions, Training Schools and Dissemination Activities

- ITC Countries:

- Albania
- Bosnia and Herzegovina
- Bulgaria
- Cyprus
- Croatia
- Czech Republic
- Estonia
- Greece
- Hungary
- Latvia
- Lithuania
- Malta
- Moldova
- Montenegro
- North Macedonia
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Serbia
- Turkey



# Open Call

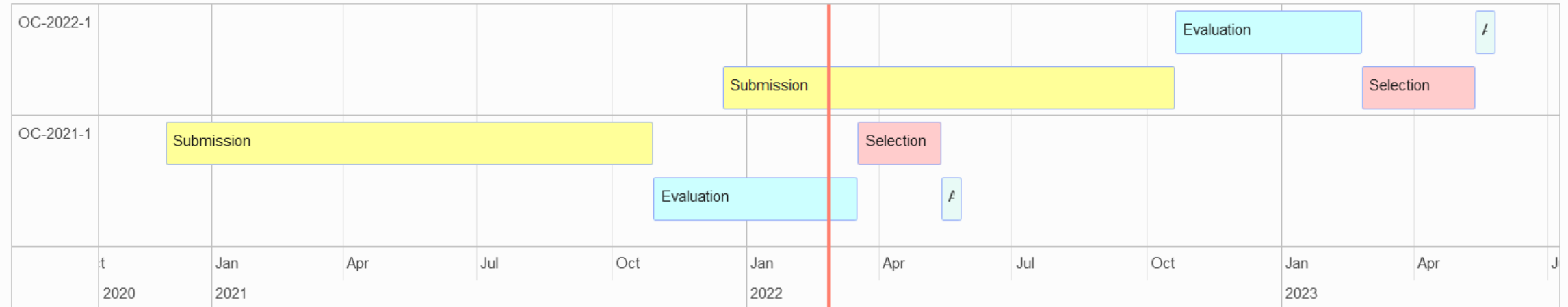


# COST Call Calendar

## Open Call / Calendar

### Overview

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- Submission
- Evaluation
- Selection
- Approval

# How it works?





## Distribution of Affiliations

COST Country (29) : Austria 🇦🇹 , Bosnia and Herzegovina 🇸🇦 , Bulgaria 🇧🇬 , Czech Republic 🇨🇪 , Denmark 🇩🇰 , Estonia 🇪🇪 , Finland 🇫🇮 , France 🇫🇷 , Germany 🇩🇪 , Hungary 🇭🇺 , Iceland 🇮🇸 , Israel 🇮🇱 , Italy 🇮🇹 , Latvia 🇱🇻 , Lithuania 🇱🇹 , Montenegro 🇲🇪 , Netherlands 🇳🇱 , North Macedonia 🇲🇰 , Norway 🇳🇴 , Poland 🇵🇱 , Portugal 🇵🇹 , Romania 🇷🇴 , Serbia 🇷🇸 , Slovakia 🇸🇰 , Slovenia 🇸🇮 , Spain 🇪🇸 , Sweden 🇸🇪 , Turkey 🇹🇷 , United Kingdom 🇬🇧

International Partner Country (2) : Canada , New Zealand

Near Neighbour Country (4) : Armenia , Belarus , Russian Federation , Ukraine

European Commission or EU Agency (1)

European RTD Organisation (0)

International Organisation (0)

## COST Inclusiveness target countries

55.2 %

## Number of Proposers

62

## Gender Distribution

54.8% Males

45.2% Females

# Anonymous proposal

- double-blind principle of the evaluation:
- proposals may not contain any direct or indirect reference to people and/or their institutions participating in the Network of Proposers
- Names of proposers or institutions should neither be explicitly mentioned, nor be potentially identifiable through links to web pages or through references to their role and/or participation in existing or ended projects, grants, networks
- References
  - a) there is no emphasis that the publication is authored by one or more of the proposers
  - b) it is only one or a few of the references in the reference list provided

# Anonymous proposal

Statements resulting in ineligibility	Eligible statements
“Several members of the proposers’ network have been involved in previous FP7 projects, like ATTPS and ADAPTIWALL, and institutions/organisations/networks/COST Actions, such as FP0901” (direct reference)	“The Action will seek contact with / reach out to / draw on the expertise of / build on / ... previous FP7 projects, like ATTPS and ADAPTIWALL, and institutions/organisations/networks/COST Actions/..., such as FP0901.”
“Among government-run public services we have the Department of Health of Catalonia on board” (direct reference)	"The Network of Proposers already includes a / several government-run public service(s)."
“The Network of Proposers has already generated some output1”, with in the footnote a link to a YouTube video or webpage in which secondary proposers can be identified (indirect reference, potentially identifiable)	“The Network of Proposers has already generated some output1”, with in the footnote a link to a YouTube video or webpage in which secondary proposers can be identified (indirect reference, potentially identifiable)

# Proposal template

- General Features;
- Technical Annex;
- References;
- COST Mission, Policy;
  - geographical balance
  - ITC
  - Young Researchers and Innovators
  - Gender balance.
- Network of Proposers

**Overview**

- General Features
- Technical Annex
- References
- COST Mission and Policies
- Network
- Documents
- « My Proposals

**Overview**

Collection:

- COST Open Call Proposal Reference OC-2022-1-25642
- OC Threshold 34
- Collection Date Thursday, October 20, 2022 @ 12:00
- Evaluation Feedback Monday, May 29, 2023 @ 12:00

Guidelines:

- Please refer to the COST Open Call Submission, Evaluation, Sel

Proposal Style Guide:

- For details on the Proposal Style guide please refer to the COST

About the text editor:

- The text that you paste into the editor will be converted to [HTML](#) fr
- You can toggle full screen mode by using the top left button on the
- You can easily copy/paste from another text editor (text and table:
- If you use an external editor to draft your text, make sure that pag
- The proposal can be exported to PDF by clicking on the button “G
- You are advised to print the full proposal before submitting it to ve
- Although the editor gives you formatting options, please avoid the
- Pictures are only allowed in the Technical Annex (see conditions i
- If you need help, please contact [opencall@cost.eu](mailto:opencall@cost.eu) regarding the

# Technical Annex

- Section 1. S&T EXCELLENCE
  - Section 2. NETWORKING EXCELLENCE
  - Section 3. IMPACT
  - Section 4. IMPLEMENTATION
- 
- Maximum 15 pages

# Technical Annex

## 1. S&T EXCELLENCE

### 1.1. SOUNDNESS OF THE CHALLENGE

### 1.2. PROGRESS BEYOND THE STATE-OF-THE-ART

## 2. NETWORKING EXCELLENCE

### 2.1. ADDED VALUE OF NETWORKING IN S&T EXCELLENCE

### 2.2. ADDED VALUE OF NETWORKING IN IMPACT

## 3. IMPACT

### 3.1. IMPACT TO SCIENCE, SOCIETY AND COMPETITIVENESS, AND POTENTIAL FOR INNOVATION/BREAK-THROUGHS

### 3.2. MEASURES TO MAXIMISE IMPACT

## 4. IMPLEMENTATION

### 4.1. COHERENCE AND EFFECTIVENESS OF THE WORK PLAN

# Objectives

- SMART (Specific, Measurable, Achievable, Relevant, Timely)
- Research Coordination Objectives
  - Tasks
  - Sharing of knowledge and know-how
  - Creation of synergies
- Capacity-building Objectives
  - Strengthening the European Research Area

# European Research Area - ERA

- System integrating scientific resources
- Accelerate transition towards climate neutrality and digital leadership
- Support recovery from the societal and economic impact of the coronavirus crisis
- Strengthen resilience against future crises
- <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM:2020:628:FIN>



European  
Research Area



Brussels, 30.9.2020

COM(2020) 628 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL,  
THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

A new ERA for Research and Innovation

{SWD(2020) 214 final}

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# Results and outputs

- Codified knowledge: Knowledge expressed through language (including mathematics, music etc.) and thus capable of being stored on a physical support (i.e. transferrable knowledge) – e.g. publications; patents, websites;
- Tacit knowledge: Not formalised knowledge, resulting from the participation in the COST Action networking activities and the social interaction among its members that can also be re-invested in other contexts;
- Technology: Knowledge embedded in artefacts either ready to use or not, such as machinery or software, new materials or modified organisms –e.g. a prototype, a database;
- Societal applications: Use of any kind of knowledge (codified, tacit, technology) to perform specific tasks;
- Societal applications require the active participation of stakeholders (such as business enterprises, practitioners, regulators, users) within the lifetime of an Action. If stakeholders are not involved, then societal applications may only be considered as possible future impacts resulting from the envisaged outputs, rather than direct Action outputs (e.g. use of a methodology developed by the Action by a community of practitioners not participating to the Action).

# The proposal evaluation and selection

- Step 1 – Evaluation by Independent External Experts
- Step 2 – Revision and Quality Check of Consensus Reports by ad hoc Review Panels
- Step 3 – Establishment of a shortlist of selected proposals by COST Scientific Committee (SC)
- The shortlist of proposals selected by the SC is submitted to the COST Committee of Senior Officials (CSO) for approval.
- Final step – CSO approval



# Research Coordination Objectives

Objective 1: to coordinate ongoing research and extension work in INVADERS countries, and to collate and synthesize available data on invasive alien tree diseases in landscapes and urban environments of Europe, to make the prognosis for future development of the situation, and to publish at least one review article in respectable open access WoS Impact Factor journal.

Objective 2: the text similar that of Objective 1, the only change “...invasive alien insects pests ...”

Objective 3: to coordinate research activities, and to collate and synthesize available data (e.g. produce GPS maps) on INVADERS-tolerant in European populations of European urban and landscape tree (mainly focusing on DED-tolerant ELM) and to develop mapped database(s) of such trees on the continental scale.

# Scientific outputs

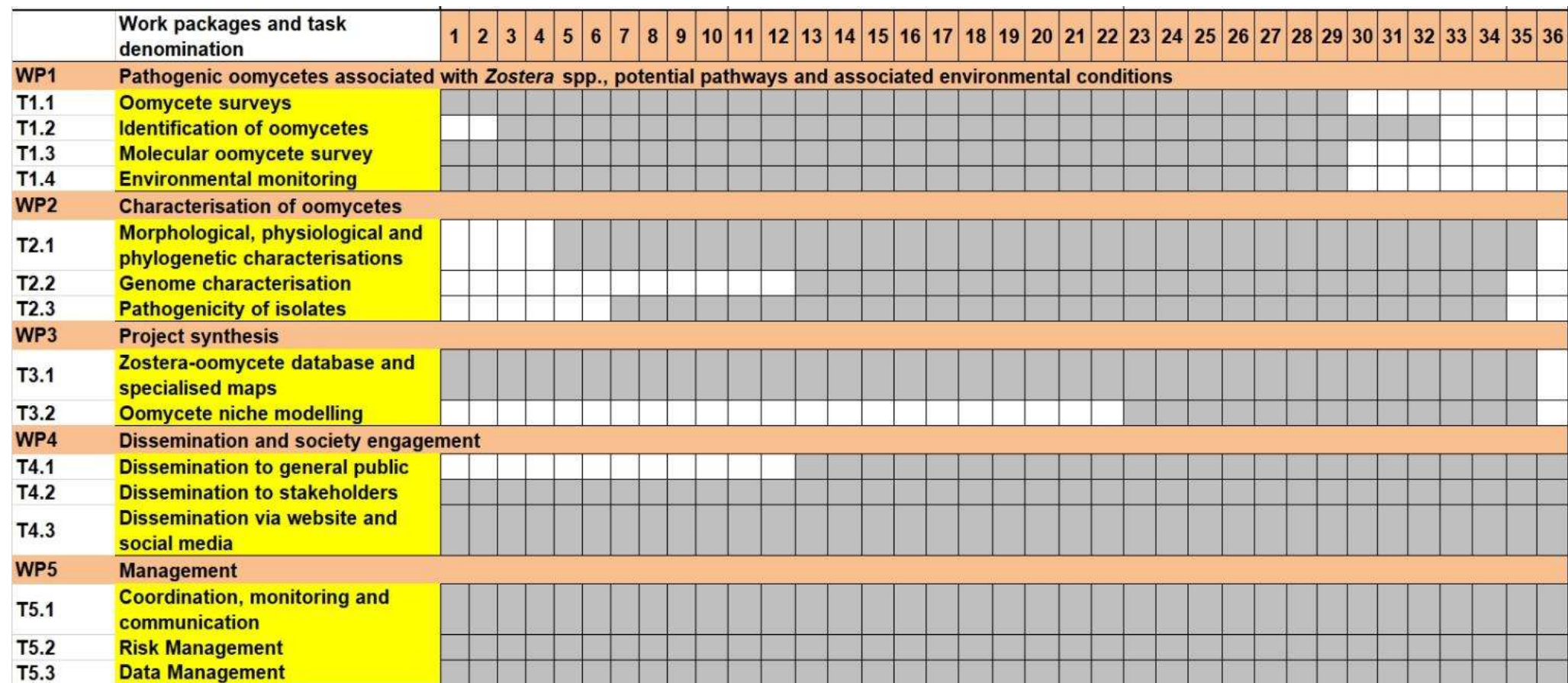
1. Produce reports/scientific and technical papers in each area explored by the WGs
  - 2 – 4 review papers per WG
2. Finance and organize training Schools for PhD students and postdoctoral researchers
  - 2016: Damaging behaviour and Health, Belgrade
  - 2017: Early-life influences, Bilbao
  - 2018: Genetics and epigenetics, Bratislava
3. Fund scientific stays for young researchers to be trained at another participating institution
  - Three rounds of STSMs already funded
  - Experimental work, data analysis, shadowing/study tour
  - All reports available on website
4. Establish a forum for discussion between stakeholders and researchers
  - Two stakeholder meetings

# Capacity-building Objectives

- Contribute to human resources training in new technologies on taller timber buildings within the international framework, favouring the organization of Training Schools, Summer schools, Workshops and STSMs to create an open network of knowledge and professionals with differentiated skills, with particular attention to Inclusiveness Target Countries (ITCs) and Early Career Investigators (ECIs) and with an emphasis on gender equality.
- Organise meetings for Early Career Investigators (ECIs) and PhD students to acquire transferable skills such as grant writing, communication, and time-management as well as encouragement of direct collaboration among ECIs.
- Foster frequent exchanges and short-term scientific stays of research group members from ECIs in top European research centres to help increase their visibility and capacity.
- Give visibility and responsibility to PhD students and postdocs, particularly women, by funding their attendance at conferences through which they promote their Action-related work.
- Accelerate knowledge transfer from fundamental research to industrial application and increase the success rate in future proposals within the Horizon Europe framework by addressing taller timber building market barriers, identifying suitable pilots and connecting with existing R&D projects dealing with the topic of multi-storey timber design at both national and international levels.
- Promote interdisciplinary work streams using the synergies between the participating groups for an efficient exchange of knowledge by taking advantage of different COST tools.

# Gantt Chart

- Bar chart that illustrates a project schedule



# Become a COST Expert!

As a COST Expert, you will have the opportunity to:

- contribute to the evaluation of COST Open Call proposals;
- participate in the assessment of Action results and outcomes;
- take part in the assessment of COST strategic activities

New experts can express their interest via the COST Expert online registration form ([www.cost.eu/experts](http://www.cost.eu/experts))

An updated Curriculum Vitae with a list of publications is required to demonstrate competence in specific areas of expertise.

More on COST Experts: [www.cost.eu/participate/experts](http://www.cost.eu/participate/experts)



# Links

- COST: <http://www.cost.eu/>

Thank you for your attention!

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Twitter @PPancova



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