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- ▶ **Trans-Domain Proposals**

Trans-Domain Proposals

Do you work in a research area which is interdisciplinary, yet does not find an outlet for development? Is your research agenda constrained by grant and funding opportunities that are too narrowly defined for your scientific networking purposes? Is an international network a potential solution?



Trans-Domain Proposals (TDP) offer scientists fertile ground for future networks across many scientific disciplines, by allowing unusually broad, interdisciplinary proposals to cover several scientific Domains.

Definition and examples

TDPs give researchers the possibility to create interdisciplinary or transdisciplinary research networks that do not lie only within one Domain of COST.

Inter-disciplinarity is 'a mode of research that integrates information, data, techniques, tools, perspectives, concepts and/or theories from two or more disciplines or bodies of specialized knowledge to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline area or area of research practice'.

Transdisciplinary research can be considered as an extension of interdisciplinary research; transdisciplinary research can lead to the evolution of disciplines and have outcomes that are greater than the sum of the parts, i.e. it is a transcend process of knowledge production.

Examples include synthetic biology, nanorobotics, cognitive sciences, systems biology, radiopharmaceuticals, food security, sustainability, energy, economic development, global environmental change.

Assessment process

A Standing Assessment Body (SAB) reviews submitted TDPs and, once approved, assigns the Trans-Domain COST Action to one of the nine scientific Domains.

The SAB is composed of the Chairs of the nine COST Domain Committees, as well as two additional scientific experts per Domain, and is led by a neutral coordinator, Georges Wanet, who is directly appointed by the [CSO President](#). The [COST Office's own Science Officers](#) may also serve as experts with the SAB.

In layman's terms

Trans-domain Proposals cover one or more COST domains and are assessed by the Standing Assessment Body. The application process is the same as for any COST Action proposal. Visit the [Open Call page](#) for more information.

Once a Trans-domain Action is approved, it is assigned to one of the nine COST domains for further management and implementation.

Information

Domain Committee Members

- ▶ [Contact details of TD Domain Committee Members](#)

Visit the [Who's Who](#) section to find your contact person(s)

- ▶ [COST Office Contact Persons](#)

Georges Wanet:



The decision on the TDP-SAB is a good example of how, like society, COST fluctuates and thinks outside the box by providing a platform to develop further obvious links between domains.



Information

- ▶ [Giuseppe Lugano - COST Office Contact Person for TDP](#)

- ▶ [Read also: Guidelines for Assessment of Applications for COST Actions \(COST doc. 4111/11\) \(PDF, 432 kB\)](#)

- ▶ [Interview with Georges Wanet in COST News](#)

Trans-Domain COST Actions

- ▶ [FA Action TD1107 | Biochar as option for sustainable resource management](#)

- ▶ [TUD Action TD1106 | Urban Agriculture Europe \(UAE\)](#)

- ▶ [ESSEM Action TD1105 | European Network on New Sensing Technologies for Air-Pollution Control and Environmental Sustainability - EuNetAir](#)

- ▶ [BMBS Action TD1104 | European network for development of electroporation-based technologies and treatments \(EP4Bio2Med\)](#)

- ▶ [MPNS Action TD1103 | European Network for Hyperpolarization Physics and Methodology in NMR and MRI](#)

- ▶ [CMST Action TD1102 | Photosynthetic proteins for technological applications: biosensors and biochips \(PHOTOTECH\)](#)

- ▶ [BMBS Action TD1101 | A Collaborative European Network on Rabbit Genome Biology \(RGB-Net\)](#)

- ▶ [MPNS Action TD1007 | Bimodal PET-MRI molecular imaging technologies and applications for in vivo monitoring of disease and biological processes](#)

- ▶ [BMBS Action TD1006 | European Network on Robotics for NeuroRehabilitation](#)

- ▶ [ISCH Action TD1005 | Pain Assessment in Patients with Impaired Cognition, especially Dementia](#)

- ▶ [CMST Action TD1004 | Theragnostics Imaging and Therapy: An Action to Develop Novel Nanosized Systems for Imaging-Guided Drug Delivery](#)

- ▶ [CMST Action TD1003 | Bio-inspired nanotechnologies: from concepts to applications](#)

- ▶ [BMBS Action TD1002 | European network on](#)

applications of Atomic Force Microscopy to NanoMedicine and Life Sciences (AFM4NanoMed&Bio)

- ▶ ICT Action TD1001 | Novel and Reliable Optical Fibre Sensor Systems for Future Security and Safety Applications (OFSeSa)
- ▶ MPNS Action TD0906 | Biological adhesives: from biology to biomimetics
- ▶ CMST Action TD0905 | Epigenetics: Bench to Bedside
- ▶ ISCH Action TD0904 | Time In MEntal activitY: theoretical, behavioral, bioimaging and clinical perspectives (TIMELY)
- ▶ CMST Action TD0903 | Understanding and manipulating enzymatic and proteomic processes in biomineralization - towards new biomimetic strategies, the creation of tailored nano-scale architectures and environmental monitoring
- ▶ ISCH Action TD0902 | Submerged Prehistoric Archaeology and Landscapes of the Continental Shelf
- ▶ BMBS Action TD0901 | Hypoxia sensing, signalling and adaptation
- ▶ TUD Action TD0804 | Soundscape of European Cities and Landscapes
- ▶ ESSEM Action TD0803 | Detecting evolutionary hot spots of antibiotic resistances in Europe (DARE)
- ▶ CMST Action TD0802 | Dendrimers in Biomedical Applications
- ▶ FA Action TD0801 | Statistical challenges on the 1000€ genome sequences in plants

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