

mn-pan

A real tool to fund and stimulate
near-to-market Micro and Nano Technologies
for a highly competitive European industry



Micro and Nano Technologies for a highly competitive European industry

A successful network

MNT-ERA.NET is a large network of funding organisations from European countries and regions which cares for the growing international dimension of industrial research in micro- and nanotechnologies (MNT).

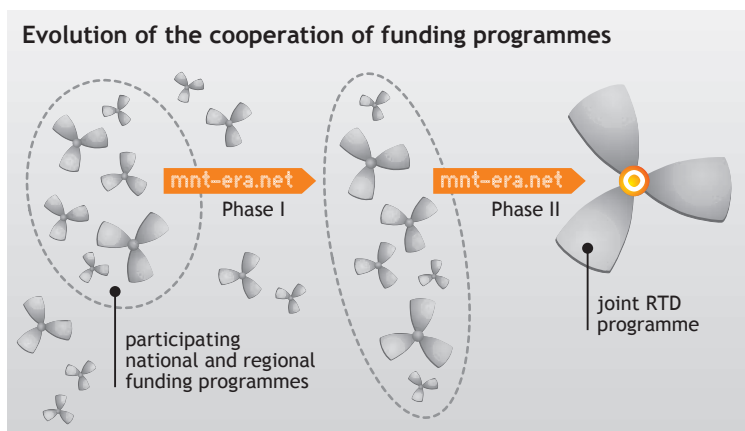
Since its launch in 2004 it reduces the fragmentation of European funding for MNT, opens transnational calls for applied R&D projects and makes regional and national funding programmes accessible to transnational consortia. With more than 20 participating national and regional funding programmes the combined annual public funding is approximately 400 million EUR. MNT-ERA.NET is a EU project funded by the Framework Programme of the European Commission.

Scope of activities

MNT-ERA.NET is establishing a framework for the long-term coordination of national and regional funding programmes. It improves the cooperation between funding organisations, industry partners, research institutions and universities to secure a durable network of European key actors in micro and nano technologies.

MNT-ERA.NET is supporting the convergence of funding priorities, the streamlining of procedures, the elimination of wasteful cross-European programme duplication and the most efficient use of programme resources.

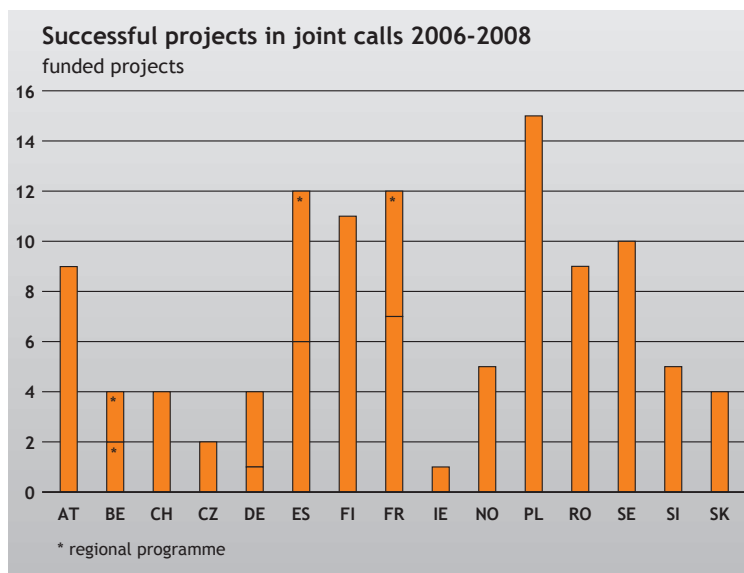
MNT-ERA.NET is aiming at the best possible integration of regional and national MNT strategies with European needs and visions, ensuring complementarities with other funding instruments. The value of funding programmes for end-users is increasing as a result of a close interaction with industry networks, exploiting strategy papers and roadmaps published by European Technology Platforms. A joint RTD programme is targeted through a concerted action.



Transnational calls

Started in 2004, MNT-ERA.NET is offering annual joint calls for collaborative projects, reflecting the needs and challenges identified by the European R&D community. As an attractive instrument for supporting transnational R&D it is complementing the portfolio of European funding initiatives.

In a pilot phase since 2006, 45 successful transnational projects have already been funded in joint calls, bringing together 562 applicants from 23 countries and regions. It has been confirmed by applicants that the features of joint calls executed by MNT-ERA.NET are especially attracting newcomers and SMEs because of the transparent procedures and low administrative efforts required.

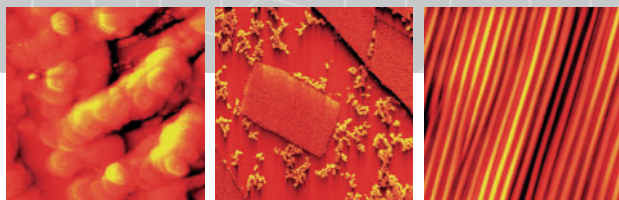


Relevance to European demands

Micro and nano technologies (MNT) are key enabling technologies of the 21st century and the global market for micro- and nanoproducts is growing at an immense rate. The US, China, Japan and Korea are investing large sums of public money into research programmes to help their industries meet the challenge. Europe has a strong research base in many MNT areas such as health care, information technologies, materials sciences, manufacturing, instrumentation, energy, security or space, but its funding programmes are fragmented and dispersed among many national funding agencies.

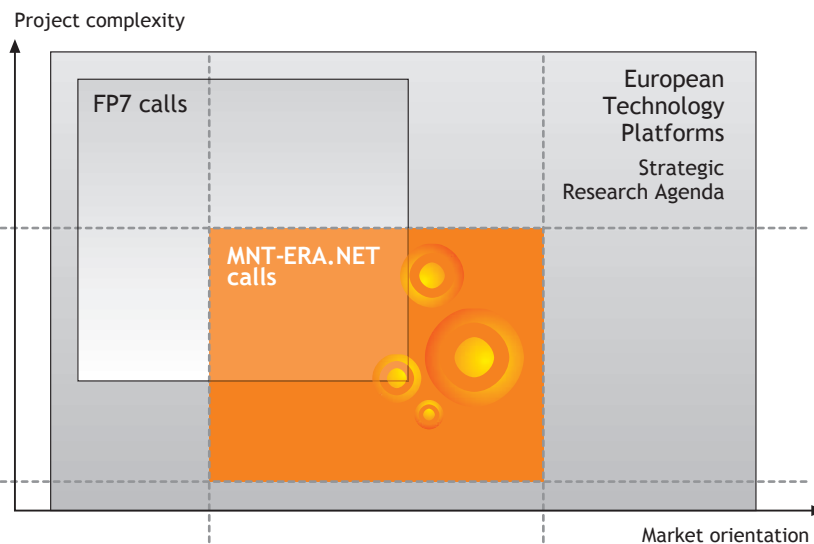
Being a large European funding network, MNT ERA-Net stimulates close cooperation of national and regional R&D programmes. These efforts will significantly contribute to strengthening the position of the European economy in this crucial market.

Photos: Institute of Physical Chemistry/University of Innsbruck, Austria



Complementing European funding instruments

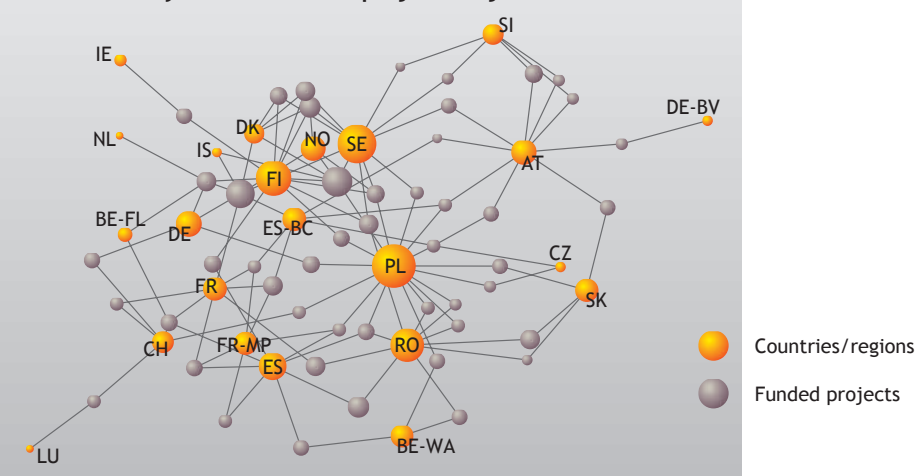
MNT-ERA.NET is combining the advantages of a large European network with the advantages of local administration. Low barriers for entering transnational cooperation are especially attractive. Funded projects are expected to be less complex than projects funded under FP7 and will be close to the market. Thus, they will close a gap between purely national or regional projects and larger European projects. Systematic cooperation with the European RTD community and the exploitation of roadmaps and strategy papers published by Technology Platforms ensure that the transnational calls are fully in line with the needs of the target groups.



Impact

The broad range of MNT-ERA.NET activities is strengthening European research and development in micro and nano technologies. MNT-ERA.NET supports the broad implementation of excellence and decisive knowledge for high added-value products, processes and applications and provides strategic and practical contributions to enhancing the competitiveness of the European industry. A network of European MNT players is created through transnational calls. In particular, the possibility for bilateral cooperations is beneficial for many newcomers and SMEs.

Network analysis of successful projects in joint calls 2006-2008

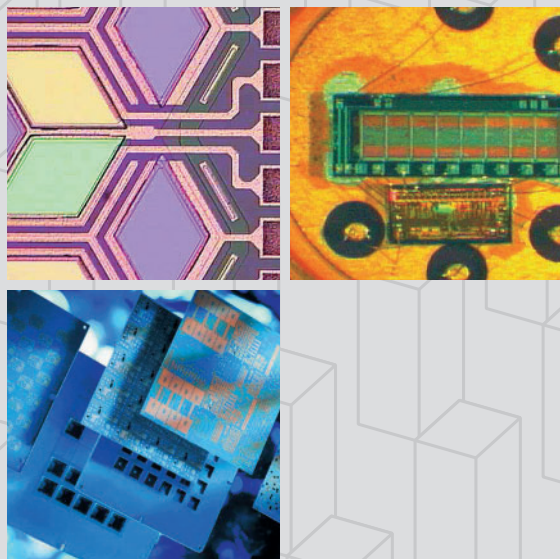


Transnational success stories

MNT-ERA.NET opens new channels for European R&D collaboration and offers additional benefits for applicants:

- large network of more than 20 funding organisations
- funding instrument complementing other programmes
- close relations between funding agencies and applicants
- low administrative barriers
- small consortia encouraged
- accelerated and coherent funding decisions
- good success rate
- national projects with European dimension

MNT ERA-Net encourages especially the participation of newcomers and small consortia.



We are offering selected success stories as a separate folder, which is updated regularly. Please download all success stories from www.mnt-era.net

WEBSITES

Austria
www.ffg.at
www.nanoinitiative.at

Belgium/Wallonia
www.recherche-technologie.wallonie.be

Cyprus
www.research.org.cy

Czech Republic
www.nanotechnology.cz

Finland
www.tekes.fi
www.tekes.fi/finnano

France
www.oseo.fr

France/Midi-Pyrénées
www.midipyrenees.fr

Germany
www.vdivde-it.de
www.bmbf.de/en/686.php
www.produktionsforschung.de

Hungary
www.nkth.gov.hu

Nordic Countries
www.nordicinnovation.net

Poland
www.ncbir.gov.pl

Portugal
www.fct.mctes.pt

Romania
www.cnmp.ro

Slovakia
www.sav.sk

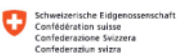
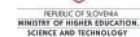
Slovenia
www.rtd.si

Spain/Basque Country
www.euskadi.net/industria
www.innobasque.com

Sweden
www.vinnova.se

Switzerland
www.bbt.admin.ch

Turkey
www.tubitak.gov.tr

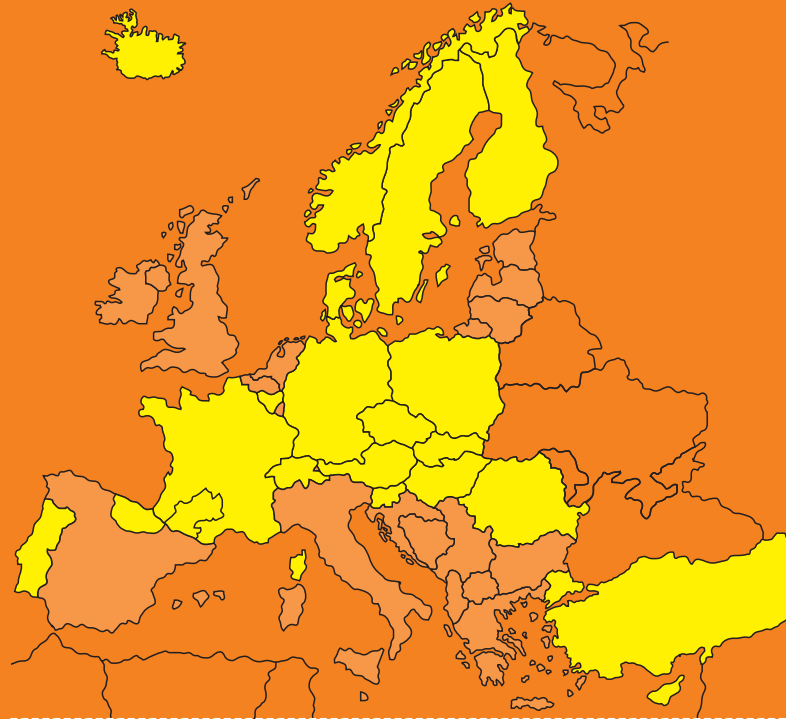


www.mnt-era.net

MNT-ERA.NET participants

The MNT-ERA.NET consortium comprises funding programmes from 21 countries and regions, represented by ministries or programme agencies.

- Austria
FFG
- Belgium/Wallonia
DGOEER
- Cyprus
RPF
- Czech Republic
CSNMT
- Finland
Tekes
- France
OSEO Innovation
- France/Midi-Pyrénées
CRMP
- Germany
VDI/VDE-IT
PTKA
- Hungary
NKTH
- Nordic Countries
Nordic Innovation Centre
- Poland
NCBIR
- Portugal
FCT
- Romania
CNMP
- Slovakia
SAS
- Slovenia
MHEST
- Spain/Basque Country
Basque Government
Innobasque
- Sweden
VINNOVA
- Switzerland
OPET
- Turkey
TUBITAK



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