
MOLD-ERA Project presentation



**Coordinator:
Institute of Electronic Engineering
and Nanotechnologies**



At a glance



<i>Full title</i>	Preparation for Moldova's integration into the European Research Area and into the Community R&D Framework Programs on the basis of scientific excellence
<i>Project instrument</i>	Coordination and support action funded under 7 th Framework Programme for research and technological development of the EU
<i>Start date</i>	November 1 st , 2010
<i>Duration</i>	30 months (November 2010 – April 2013)

Consortium



MOLDOVA



Project coordinator

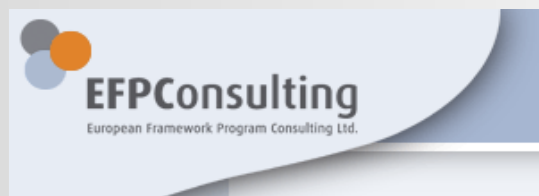
European Union



United Kingdom



Germany



Israel

Objective



To assist the Institute of Electronic Engineering and nanotechnologies (IEEN) to develop and implement a research strategy that will expand its activities and increase its level of excellence and visibility, so that it can compete and collaborate with leading research institutions in Europe

Activities



- Further development of IEEN infrastructure by acquisition of new equipment
- Establishment of a nanobiology training program for PhD and Master students (theoretical, practical, online, visits abroad)
- Training in FP7 for researchers to increase success in submitting proposals
- Strengthening networking on national, regional and European levels

New nanotechnology infrastructure



Combining existing facilities at IEEN in the field of **Nanotechnology** with new equipment to be purchased:

- a plasma etching system
- a multi-gas incubator bio-station

to **extend the research area to Nanobiology** with a focus on the properties and structure of complex assemblies of biomolecules, such as:

- biochips,
- molecular motors
- membrane assemblies

in conjunction with the distinctive surfaces, rods, dots and materials of nanoscience.

Researcher scientific training



- ❑ **Theoretical courses** for PhD and Master students in the fields of biocompatibility of electronic and photonic materials, transformation of bio-signals in electric signals and vice-versa, extra and intracellular bioelectric signaling, biotoxicity and related disciplines
- ❑ **Practical training** of young researchers from the IEEN at leading European research centres in the areas of nano-bio, nano-medicine etc
- ❑ **Online Courses**
- ❑ **2 summer schools**

Training in FP7



Training will be provided to assist researchers and staff from across Moldova **to attain a more efficient and practical understanding** of:

- FP7 rules and regulations
- Proposal writing
- Project management
- Contract negotiation
- Joining Consortia
- Marie Curie
- SME measures
- Innovation and technology transfer

thereby **increasing success in submitting FP7 proposals**

External & internal networking

(Knowledge Map with links between IEEN and relevant national, EU & international organisations);

Identification of proposal opportunities

(meetings focused on collaborative participation in FP7 projects, attending European conferences/brokerage events);

Participation in Great Western Research post-graduate training network in Materials

(installing AG node at IEEN, joining several lectures delivered online)

Expected impact



- Consolidation of the role of IEEN in Moldova as the linking unit between universities, research institutions, technology parks and small and medium enterprises, in the area of nanobiotechnology
- Improvement in the quality of training and equipment in nanotechnologies
- Increased number of high quality graduates, collaboration and business opportunities
- Stronger links between scientific communities in the EU and Republic of Moldova, including educational institutions and networks

Contact information



www.mold-era.eu

Site language:

Preparation for Moldova's integration into the European Research Area and into the Community R&D Framework Programs on the basis of scientific excellence

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Welcome to MOLD-ERA!

MOLD-ERA projects aims to improve the level of training and equipment in the Nanotechnologies field in Moldova, which will lead to increased collaborations with EU institutions and improved career for young scientists in Moldova. The project will attract new investments and create new jobs, leading to a considerable increase in wealth for the Moldovan economy and society.

News [Archive](#)

27.01.2011
→ [New method for the in vitro treatment of liver cancer](#)

Researchers from Romania have developed and tested a new method of treatment for human hepatocellular carcinoma (HCC). Their article entitled "Enhanced laser thermal ablation for the in vitro treatment of liver cancer by specific delivery of multivalenced carbon nanotubes functionalized with..."

Events [Archive](#)

→ [MOLD-ERA kick-off meeting](#)

03.01.2011
Chisinau, Moldova

On Novemebr 29, 2010 the European project MOLD-ERA (Preparation for Moldova's integration into the European Research Area and into the Community R&D Framework Programs on the basis of scientific excellence) was launched in Chisinau, Moldova, attended by 8 participants from 2...

Calendar

« Jan 2011 »

Mo	Tu	We	Th	Fr	Sa	Su
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
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31	1	2	3	4	5	6

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Thank you for attention!