

Summary

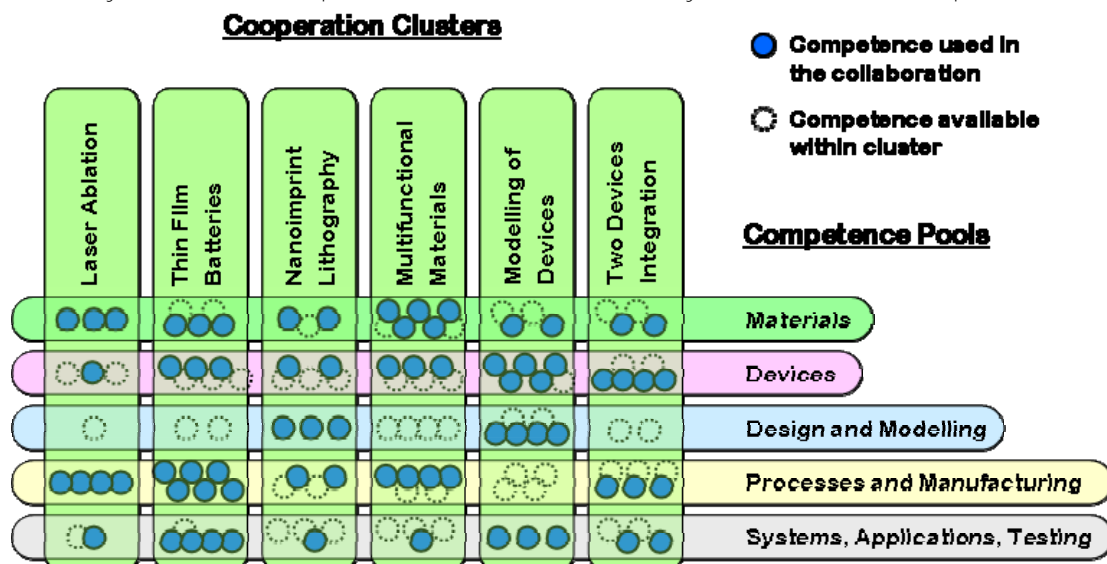
The NoE PolyNet (Network of Excellence for the Exploitation of Organic and Large Area Electronics / OLAE) aims to establish Europe in the OLAE area as the world leader in science, technology development and subsequent commercial exploitation of printing and large area technologies for heterointegration of flexible electronics.

Future industrial Exploitation needs a research cooperation base and a service base to foster transfer from science to industry within EU. Therefore fragmentation of European research landscape has to be overcome.

The NoE PolyNet will support these aims with three core platforms:

1) Research Cooperation Platform

The Research Cooperation Platform created an overview of the available research- and production-related knowledge and expertise within the consortium first. In the second step the platform focuses on such issues and problems that demand the collected effort of several partners. Currently six research cooperation clusters are on the way which cover all competences of the NoE:



For further information on the research cooperation please contact the work package leader Isak Engquist (isaen@itn.liu.se / Linköping University, Sweden)

2) Service Platform

The goal of service platform is to establish an integrated service providing cost effective and easy access to qualified Organic and large area electronics

- design, modelling, simulation and
- engineering services,
- advanced manufacturing tools and methods,
- testing and characterisation of materials and devices

through one single customer interface. A sustainable business model will be developed for the continuation of the NoE.

For further information on the service platform please contact the work package leader Markku Käsäkoski: (Markku.Kasakoski@vtt.fi / VTT, Finland).

3) Knowledge Platform

Main tasks of the knowledge platform are the creation of a European Observatory for Organic Electronics (EOOE) and by defining educational standards and coordinating the different existing educational programs and defining new ones if appropriate. The Mission of the EOOE is to perform a continuous scientific and technological watch in Organic and Large Area Electronics for rising weak signals on scientific breakthroughs, main achievements & emerging trends.

For further information on the knowledge platform please contact the work package leader Isabelle Chartier (isabelle.chartier@cea.fr / CEA-LITEN, France).

For a long-term integration of European research landscape PolyNet will develop concepts for the continuation of research cooperation and service offers, validate and put them into operation.

Impact is expected not only on the research landscape of Organic and Large Area Electronics but also indirectly on European industry by long-term stimulation of innovative technologies and new companies.

Participants by Origin

Austria	JOANNEUM Research
Belgium	IMEC
France	CEA-LITEN, Université Paris Diderot, Ecole Polytechnique
Finland	VTT, University Oulu
Germany	Fraunhofer IZM, TU Chemnitz, VDI/VDE-IT
Greece	Aristotle University of Thessaloniki
Poland	TU Lodz
Sweden	ACREO AB, Linköping University
The Netherlands	TNO
United Kingdom	University of Liverpool, Cardiff University



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