

— EN ROUTE VERS 2020 —
HEADING TOWARDS 2020—



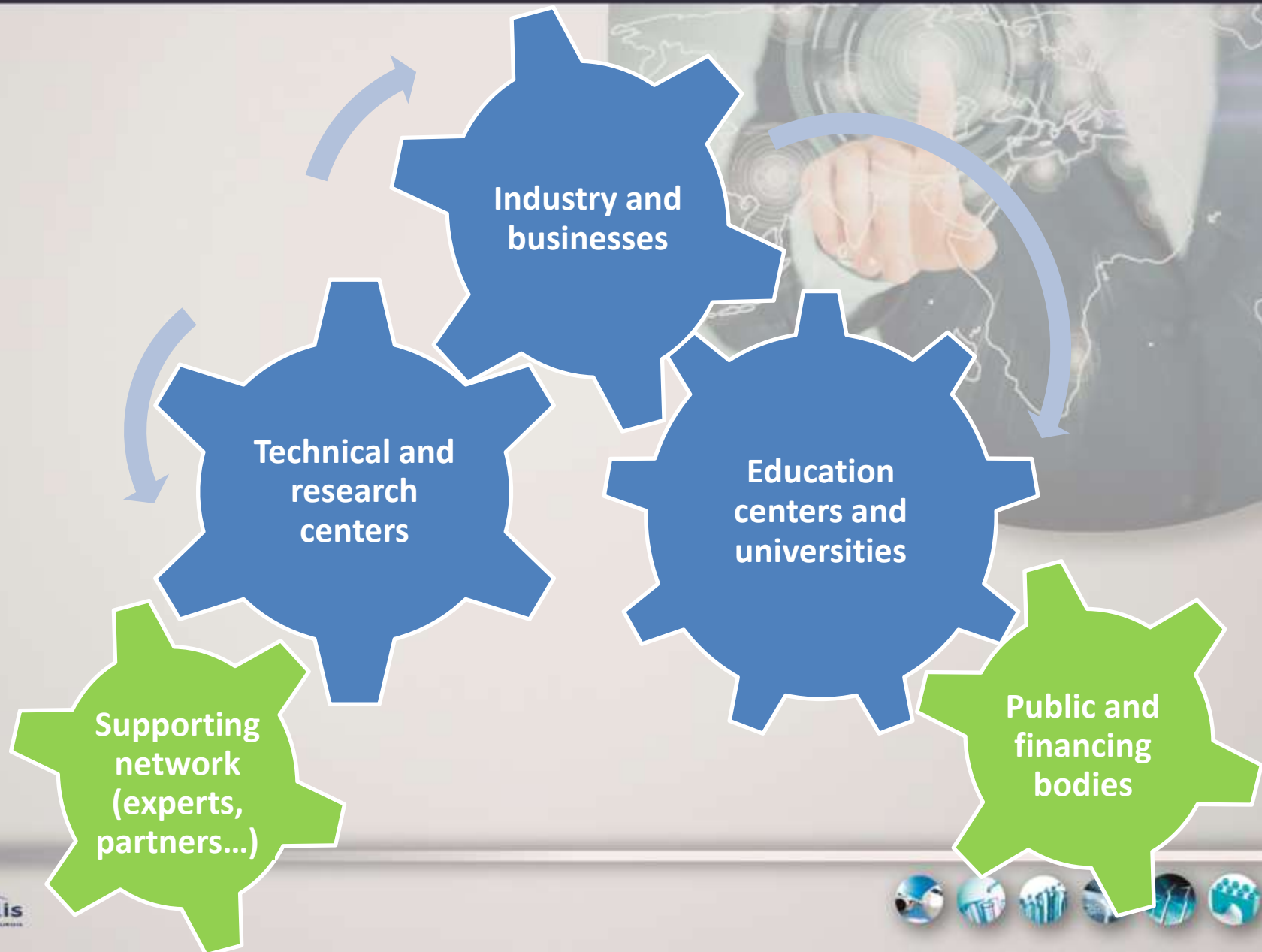
Plastipolis Cluster

Industry 4.0 by SME: Dynamic, pragmatic and operational

Bled, June 20th, 2017



Plastipolis: Innovation cluster stakeholders



Plastipolis: Cluster figures

Established in 2005

More than **400 members** with:

- **250 firms**

- ✓ 90% SMEs

- ✓ Consolidated turnover: 5 500 M€

- ✓ Nb employees : 30 000

- 95 R&D and education centers

- 60 institutions

- **4 000 contacts**

Dec. 2015



Geographical localisation of cluster members

- **140 achieved or ongoing projects** for 400 M€

- **280 different companies** partners of projects (including 180 SMEs)

- **8 new training and education programs**

- **25 European projects**

Technology strategic domains



Performant and innovative processes



Advanced materials

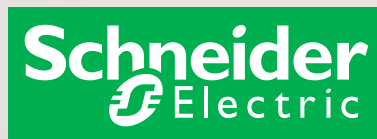


Sustainability and eco-design



Smart plastics products

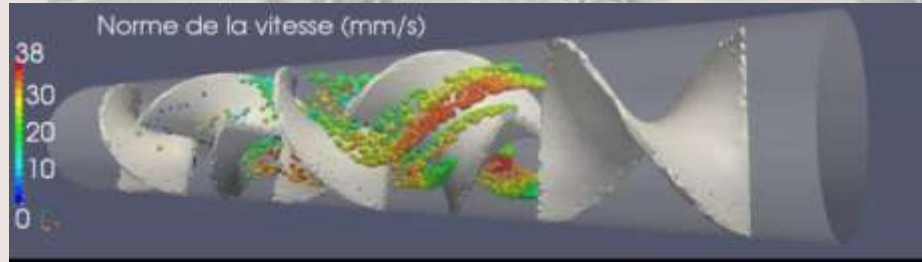
Plastipolis: Among our members



Plastipolis: Technology and industrial focus



Eco-design and recycling



Process engineering



Advanced processes



Micro-manufacturing



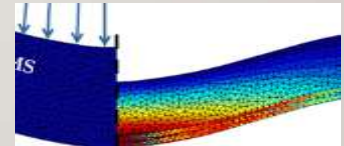
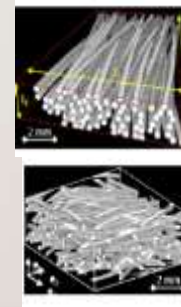
Electronics & plastics



3D printing & direct manufacturing



Hybrid composites



Best practices

- Internal roadmap for Industry 4.0, shared with members
 - Advanced manufacturing
 - Industrial performance
 - Process control
 - Flow management/logistics
 - Flexible and multi-processes/multifunction units
 - High added value processes
 - Performant tooling
 - Performant processes
 - Multi-material processes
 - Surface treatment
 - High speed composites manufacturing and automation
 - High speed additive manufacturing
 - Micro-manufacturing
 - Process simulation
 - Smart plastics products
 - Organic electronics
 - Functional coating for parts and tooling
 - Sensoriality
 - MID
 - Integration of microsystems



Best practices

- Support of national project in industry of the future:
 - Involvement of the members in technical project
 - Create connection between companies and other players
- Support on members partners in European project:
 - Example of BEinCPPS project:
 - Business Experiments in Cyber Physical Production Systems
 - Mold maker partner:
 - Developing a connected mould solution
 - Participation to European project:
 - Care4Tech
 - Greenomed



Best practices

- Participation to Industry 4.0 cluster group in Rhône-Alpes region
 - Creation of common roadmap
 - Common action to promote Industry 4.0 topics
- Participation to different national interest group:
 - Share information
 - Develop cooperation
 - Set-up joint R&D project
 - Participation to the creation of national roadmap
- Development of collaborative actions :
 - Concept note on 4 motors for the European Industry 4.0



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