Smart Clusters in a Smart Specialization Scenario

Prof. F. Bonollo, Università di Padova
SINFONET (Smart and INovative FOundry NETwork) is the Innovative Network for the Foundry, officially acknowledged by Regione Veneto (L.R. 13/2014). SINFONET is aimed at developing the “smart foundry of the future”, where innovation and integration generate education, jobs, competitiveness. SINFONET collects about 50 partners with more than 4500 employees in Regione Veneto, and an overall turnover higher than 1.5 billion of €.
SMART SPECIALIZATION WITH SMART CLUSTERS
The Importance of Cross-Regional Cooperation
F. Bonollo: The contribution of SINFONET

SINFONET Vision

- Research, development, innovation and technology transfer (materials and processes, control systems, product and process standards, integrated design, energy and environmental management),
- Integration among foundries, suppliers (services, materials, technologies) and other metal-working companies,
- Education and qualification of human resources,
- Participation to Competitive Calls for funding,
- Scouting of new markets and internationalization.

SINFONET promotes multi-disciplinarity and integration, developing methods, products, procedure to support competitiveness, based on...
SMART SPECIALIZATION WITH SMART CLUSTERS
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Main focus of SINFONET: SMART MANUFACTURING
From RIS3 to Projects

GAP
FORSAL
SARR
PreMANI

Research, Innovation & Technology Transfer
Training & Education
Internationalization
Infrastructures (INFOS)
Participation to Competitive Calls

Energy Efficiency
The Importance of Cross-Regional Cooperation

F. Bonollo: The contribution of SINFONET
Project: FORSAL

SMART SPECIALIZATION WITH SMART CLUSTERS
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From Regione Veneto to Europe

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RAIDMAP Experience

RAIDMAP
Raw Ideas for Materials Projects

Think Tank
Vicenza – November 6th, 2018
Department of Engineering and Management

RAIDMAP is a Master Education project within the framework of EIT-Raw Materials (https://eitrawmaterials.eu/), addressed to the topics of Recycling and Substitution, with particular reference to materials for lightweight design. With the support of EIT – Raw Materials, RAIDMAP launches the second edition of an innovative event:

Think Tank:
Raw Ideas for projects on Materials’
SMART SPECIALIZATION WITH SMART CLUSTERS
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RAIDMAP Experience

Re-MB
Recycling Raw Materials from Batteries

Project Title
Quick catch foam for insulating coat in construction industry

plasterCOAT
RAIDMAP Experience

Q1, YEAR 1 AND 2
SCOUTING AND TRAINING
UNIPD NTNU KTH
TRAINED STUDENTS
TRAINING COURSE ORGANIZATION
TEAMs
COMPANIES
SEEDS FOR PLANNING INTERDISCIPLINARY MASTER COURSE: DEFINITION OF OBJECTIVES AND LEARNING TARGETS
Q1, YEAR 1

Q2, YEAR 1 AND 2
LOCAL EVENTS: TEAM COMPETITION
@UNIPD, @NTNU, @KTH
ITALY
3x
UNIPD STUDENTS 60%
KTH+NTNU STUDENTS 40%
SWEDEN
3x
KTH STUDENTS 60%
UNIPD+NTNU STUDENTS 40%
NORWAY
3x
NTNU STUDENTS 60%
UNIPD+KTH STUDENTS 40%
Q2, YEAR 1

Q3, YEAR 1 AND 2
FINAL EVENT: SELECTED TEAMS COMPETITION
@IFAM
ITALIAN EVENT WINNER
1x
UNIPD STUDENTS 60%
KTH+NTNU STUDENTS 40%
SWEDISH EVENT WINNER
1x
KTH STUDENTS 60%
UNIPD+NTNU STUDENTS 40%
NORWEGIAN EVENT WINNER
1x
NTNU STUDENTS 60%
UNIPD+KTH STUDENTS 40%
Q3-4, YEAR 1

Q4, YEAR 1 AND 2
PROJECT SUBMISSION
COMPETITION'S WINNER TEAM
SETTING UP Jumpstarter and/or Up-Scaling PROJECT FOR SUBMISSION
X2
Q1-2, YEAR 2

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Final Remarks

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