

SMART PUGLIA 2020

“Synergies between ERDF and other funds in
Sustainable Manufacturing and Health”

11th July, 2016

Bari, Hotel Mercure Villa Romanazzi Carducci

Adriana Agrimi, Head of Research and Innovation Section

Paolo Casalino, Head of the Bruxelles office



SMART PUGLIA 2020

SmartPuglia 2020 is a long term strategy for a **regional responsible economic development**. Based on a dialogue among all regional stakeholders, it aims at the integration of several policies: *Research & Innovation, Digital agenda, Competitiveness (including SMEs and clustering), Internationalization, Social innovation, Employment and training (human capital, ESF).*



R&I actions in Puglia

- Living Labs
- Covenant for (Smart) Cities
- Regional Technological clusters
- Regional innovation partnerships
- Open Labs
- Network of public research laboratories
- Future in research



2014-2020: 5 societal challenges



- Sustainable cities and territories
- Health, well-being and sociocultural dynamics
- Sustainable energy
- Creative industry (and cultural development)
- Food security and sustainable agriculture



3 “Innovation areas” for the 2014-2020

Sustainable manufacture (*intelligent factories, aerospace, mechatronics, advanced materials and nanotechnologies*)

Health and Environment (*green and blue economy, agrofood, ambient assisted living*)

Digital, creative and inclusive communities (*Cultural and creative industry, services, social innovation, design, non R&D innovation*)



Sustainable Manufacture

PPPs

Regional TECHNOLOGICAL CLUSTERS:

- Aerospace (DTA)
- Mechatronics (MEDIS)

PRODUCTION CLUSTERS:

- Aerospace
- Mechatronics
- Nautical
- LAPIDEO
- Fashion
- Furniture timber
- Logistics

PPPs:

- Advanced materials (RISMA, TEXTRA)

Research infrastructures

PUBLIC INFRASTRUCTURES

European level:

National level:

- BEYOND NANO (PON)

Regional level:

- EMILIA – Experimental mechanics for aerospace
- GREEN ENGINE – Technology for sustainable propulsion
- RIVONA – Reducing Flight and Nowcasting risk
- SENS&MICRO LAB - Sensors and advanced microsystems for aerospace

PRIVATE RESEARCH CENTERS:

CETMA, CENTRO LASER, OPTEL, ALENIA, AVIO, AUGUSTA, BOSCH, GETRAG, MERMEC, NUOVO PIGNONE, OSRAM, PLANETEK, MASMEC, CRF

Health and Environment

PPPs	Research infrastructures
<p><u>TECHNOLOGICAL CLUSTERS:</u></p> <ul style="list-style-type: none"> ○ Agrofood (DARE) ○ Human Biotechnologies (HBIO) ○ Renewable energies (DITNE) <p><u>PRODUCTION CLUSTERS:</u></p> <ul style="list-style-type: none"> ○ Environment and reuse (DIPAR) ○ New energy ○ Sustainable building (DES) ○ Agrofood ○ Floriculture ○ Fishery and aquaculture ○ Tourism <p><u>PPPs:</u></p> <ul style="list-style-type: none"> ○ Coast monitoring (RITMA) <p>.....</p>	<p><u>PUBLIC INFRASTRUCTURES</u></p> <p><u>European level:</u></p> <ul style="list-style-type: none"> ○CENTRO MEDITERRANEO CAMBIAMENTI CLIMATICI ○LIFE WATCH <p><u>National level:</u></p> <ul style="list-style-type: none"> ○MAGNA GRECIA , B&H, etc <p><u>Regional level:</u></p> <ul style="list-style-type: none"> ○LIC ○AFF – electronic nose ○LAIFF – functional food ○SELGE – Germplasm ○TEGUVA – Genomics for viticulture <p><u>PRIVATE RESEARCH CENTERS:</u></p> <p>CHEMITEX, ITEL TELECOMUNICAZIONI, LORAN</p> <p>.....</p>



Digital, creative and inclusive Communities

PPPs	RESEARCH INFRASTRUCTURES
<p><u>TECHNOLOGICAL DISTRICTS:</u></p> <ul style="list-style-type: none">○ HIGH TECH (DHITECH) <p><u>PRODUCTION DISTRICTS:</u></p> <ul style="list-style-type: none">○ INFORMATICS○ COMMUNICATIONS○ CREATIVE PUGLIA <p><u>PPPs:</u></p> <ul style="list-style-type: none">○ AMBIENT ASSISTED LIVING (INNOVAAL)○ SILAB-DAISY○ MLAB○	<p><u>PUBLIC INFRASTRUCTURES</u></p> <p><u>European level:</u></p> <ul style="list-style-type: none">○ CECC, LIFEWATCH <p><u>National level:</u></p> <ul style="list-style-type: none">○ TEDAT, <p><u>Regional level:</u></p> <p><u>PRIVATE RESEARCH CENTERS:</u></p> <p>IBM, EXPRIVIA, SELEX, PLANETEK, SITAEI, WIND, OBJECT WAY, ALSTOM</p> <p>.....</p>



KETs in Puglia

ARTI - 2013

Challenges	Industrial Leadership (Technology driven research)						
	Micro-nanoelectronics	I-biotech	Photonics	Advanced materials	Advanced manufacture and transformation	Nano-tech	ICT
1 - Health, demographic change and well-being		X				X	X
2 - Food security, Sustainable agriculture, Marine research	X	X			X		X
3 - Secure, clean and efficient energy	X	X		X	X	X	X
4 - Smart, green and integrated transports	X			X	X	X	X
5 - Climate, raw materials and resource efficiency							X
6 - Inclusive and innovative society							X
7- Space	X			X	X	X	X
8- Safe society							X
9- Cultural heritage and creativity	X			X			X
10- Digital agenda							X



National Technological Clusters



MEDIS

<http://www.smartcommunitiestech.it/>



DHITECH



H-BIO

INNOVAAL



Puglia Region & European network

RIS3 Priority Areas	Proposal	Programme	Objective
Sustainable manufacture	Manunet III	H2020	Joint Research Programme of 26 Regions/MS
Health and Environment	Reference site	EIP AHA	Promotion node in Europe of prototypes
Digital, creative and inclusive communities	TALIA	Interreg Med	Horizontal Project on Open data and Social Innovation
	Citadel	H2020	Efficient project planning and services of public policies.



The Smart specialisation strategy

- ❑ More than an ex ante conditionality ...
- ❑ ...A strategic tool to implement:
 - *Territorial cooperations with other regions (inside and outside Europe)*
 - *Financial synergies (e.g. Structural funds/Horizon 2020)*

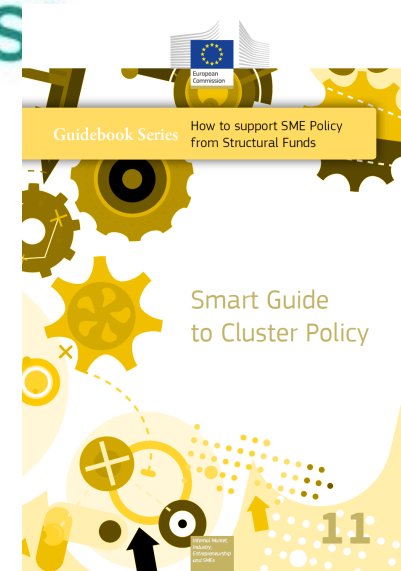


Clusters in Europe



Call for expression of interest to

- implement a partnership process in the form of **strategic interregional cooperation**,
- give support to SMEs and other actors involved in innovation through which to **identify partners** with complementary competences,
- access a value chain transcending national, regional and sectoral limits,
- **facilitate the access** of research institutions, including KETs infrastructure and hubs of digital innovation,
- mobilize **European Strategic Cluster Partnership** for smart specialization investments



The role of regional actors

« Towards an EU strategic cluster partnership for smart specialisation investments »

- Informal call (deadline end 2016)
- Formal call (2017)
- Benefits for selected consortia (ESCP-S3 label):
 - *Dedicated advisory support service by DG Growth (e.g. analysis of the global value chain in the sector)*
 - *Joint projects (H2020 innosup, Cosme, Interreg Europe)*
 - *Matchmaking events (e.g. EU Cluster conference 30.11 – 2.12)*
 - *The RE-CONFIRM measure (to be launched in 2017)*



The 3 thematic Smart specialisation platforms

Industrial modernisation

Agri-food

Energy

– 16 June EUSEW Brussels: “Puglia & energy-related priorities”

– 23/24 June Bari: “Smart Mediterraneo” conference on Smart grid development in the Mediterranean area



... and other useful tools

	EU Networks	Ongoing projects
Sustainable manufacture	<ul style="list-style-type: none"> ✓ NEREUS (NETWORK) Space policies ✓ ERRIN (NETWORK) R&D&I 	<ul style="list-style-type: none"> ✓ EraNet ManuNet3 (H2020)
Health and Environment	<ul style="list-style-type: none"> ✓ European innovation partnership on Sustainable Agriculture ✓ European innovation partnership on Active and Healthy Ageing ✓ European innovation partnership on Water ✓ CORAL network (independent living) ✓ ERIAFF network (innovation in agriculture) 	<ul style="list-style-type: none"> ✓ EraNet MED (FP7) Energy, Food, Water ✓ MED Desiree (Interreg Med) Energy ✓ Ingrid (7°PQ) Energy ✓ Alterenery (Ipa Adriatic CBC) ✓ Agronet (Ipa Adriatic CBC) ✓ Renewall (IMFA- Regions - China) ✓ Demoware (FP7) Water reuse ✓ Water PiPP (FP7) PCP in the water sector ✓ CareWell (CIP Ict psp) Health ✓ Credits4Healths (7FP) Health ✓ Assehs (Health programme) Health ✓ Engaged (CIP Ict psp) Welfare ✓ ReAAL (CIP Ict psp) Welfare/AAL
Digital communities and creativity	<ul style="list-style-type: none"> ✓ European innovation partnership on Smart cities & communities ✓ RICC Network (culture and creativity) ✓ NECSTOUR Network (sustainable tourism) 	<ul style="list-style-type: none"> ✓ ECCL (CIP) Creativity/clusters ✓ Next (IPA ADRIATIC CBC)



Thank you!

Adriana Agrimi

a.agrimi@regione.puglia.it

Paolo Casalino

p.casalino@regione.puglia.it

