

2nd Interregional Dissemination Event
SYSTEMIC DESIGN FOR CIRCULAR POLICY-MAKING
A VISION ON EU REGIONS POLICY TOWARDS A CIRCULAR ECONOMY

Piedmont Bioeconomy Platform - ITALY
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**POLITECNICO
DI TORINO**
Dipartimento di
Architettura e Design

Overview of RAP Piemonte



a. Acting on current ERDF funding / Policy instrument:

- **ACTION 1** - Call 2018 for research projects reserved to companies already associated or not yet associated with Innovation Clusters (PRISME)
- **ACTION 2** - Bioeconomy platform

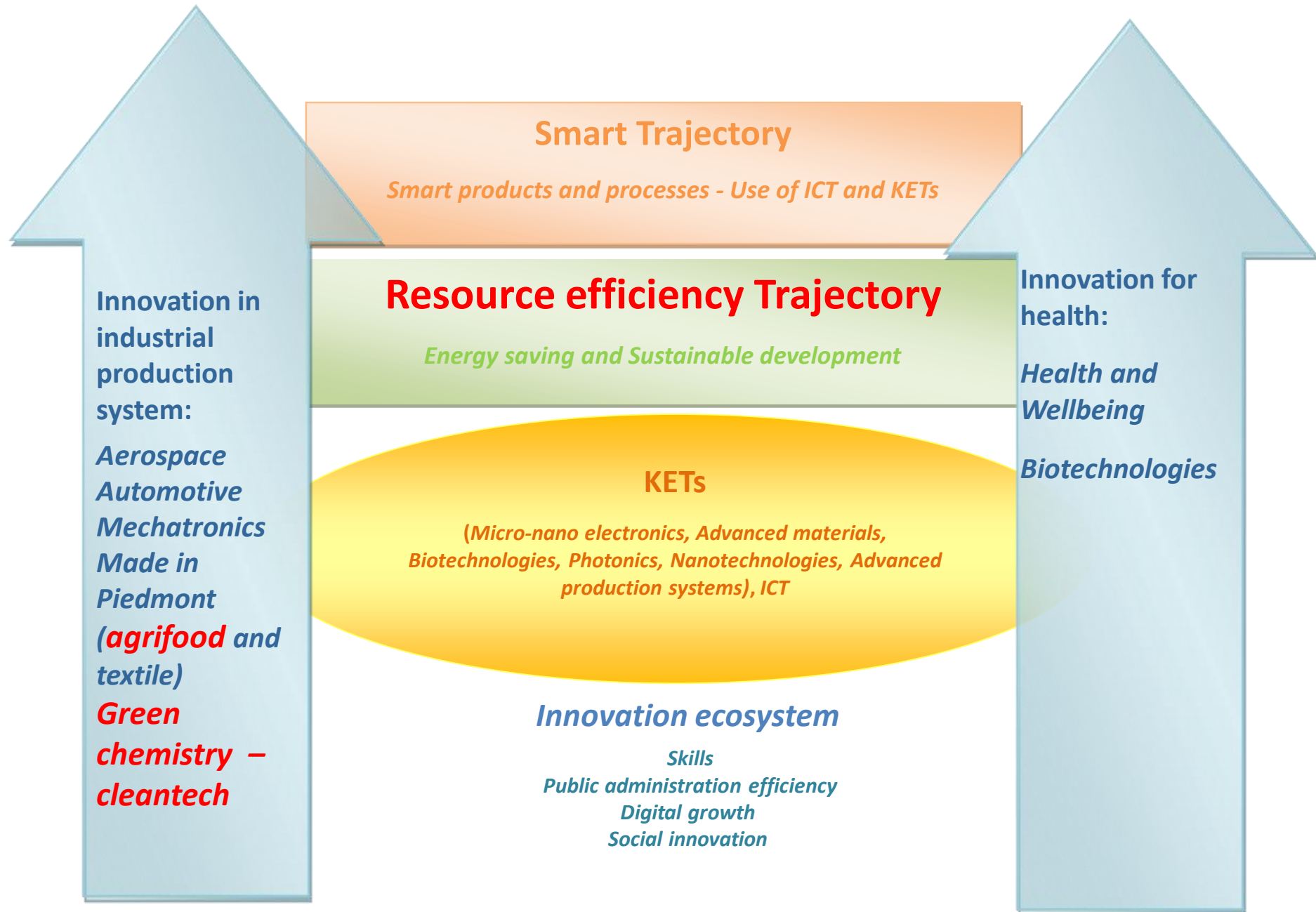
b. Acting on competences / cultural level:

- **ACTION 3** - Training at Politecnico of Torino
Course Open Systems (Systemic Design Masters Degree)
Workshop «Smart Demolition challenge»

c. Acting on future policies /schemes

- **ACTION 4** - Review of regional strategies in view of the next programming
- **ACTION 5** - Definition of improved evaluation systems for regional calls

ACTION 2 - background: the regional S3



ACTION 2 - background: Bioeconomy in Piemonte



Industrial and innovation leaders and dynamic SMEs in the sectors of e.g. green chemistry, plastics, cleantech, agrifood

Strong and diversified **academic/research competences**

3 Innovation Clusters:

- Cgreen (Green Chemistry and Advanced materials)
- Clever (Energy and Clean Technologies)
- Agrifood

ACTION 2 - background: the funding scheme



What is the Technology Platform scheme?

- One of the main schemes of regional R&D policy, ERDF co-funded (total 100 m€ allocated, out of a total 355 m€ of ERDF allocated on Axis I)
- It supports large and strategic (mid-long term perspective) R&D projects, focused on relevant RIS3 priority areas and gathering technology leaders and industrial and academic competencies available at regional level
- Technology Platforms launched:
 - Smart Factory:** 8 projects ; total investments 78M€, ERDF contribution 34M€
 - Life Sciences:** 5 projects; total investments 38,7M€, ERDF contribution 19,3M€
 - Value chain platform (PITEF):** upcoming; 15M€ allocated

...and Bioeconomy

ACTION 2 - Bioeconomy platform



3 strands:

- Agrifood (S3 innovation area)
- Green Chemistry / Clean Tech (S3 innovation area)
- **Circular Economy** (projects connecting the two above areas, aiming at developing regional circular ecosystems and sustainable supply chains)

Retrace influence on the call

- Same Unit responsible for Retrace and for the call (and all Axis I of ERDF ROP)
- Regional Holistic Diagnosis inspired topics of CE strand: *e.g. use of no-food biomasses and manure for the production of chemicals, biofuels, bioplastics; all potential symbiosis processes*
- The willing to privilege funding Circular Economy projects, and a strengthened strategic character, laying the basis of stable collaboration and coordination, explicitly declared in the call

Retrace policy gaps addressed

Tailored policy measures on CE

Support collaboration between sectors

Policy in support to business and market development for CE activities

ACTION 2 - Bioeconomy platform



Some key figures

- 9 projects approved (out of 11 submitted)
- 2/3 of approved projects (6 out of 9) focused on Circular Economy
- 46,6 m€ total value of approved CE projects (out of 66 m€)
- 20,2 m€ ERDF contribution granted to CE projects (out of 29,2 m€)
- 112 partners involved in approved CE projects:
 - 87 companies (both large, leading companies and SMEs)
 - 33 Research Organizations

ACTION 2 - RECIPLAST Project



Advanced (chemical and mechanical) recycling processes of plastics coming from food packaging and automotive components (two main sectors of regional economy)

Overcoming current technical failures in recycling regarding e.g. multilayer films mixed plastics (food); polyurethane foam (automotive)

14 companies and 3 RTOs involved

Value chain covered: waste managers, technology providers, recyclers, end users (several sectors); institutional observers

3,5m€ ERDF contribution (8,1 m€ total budget)

Final considerations



Waiting for selected projects implementation, some issues for next programming period to better support CE:

- at regional policy level:
 - Revise S3: from sectors to **transversal drivers**
 - Strengthening **ecosystem and local value chains**: increasing networking and collaboration attitude, build on territorial assets, policy continuity
- at upper (and regulatory) level:
 - Need of a coherent and circular-friendly regulatory framework
 - funding rules to be addressed: e.g. involvement of agriculture companies in R&D projects; funding for innovation and investments (not only R&D)



THANK YOU

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