



SPRING

*Sustainable Processes and Resources
for Innovation and National Growth*

Italian Cluster of Green Chemistry

**HIGH LEVEL EVENT
THE ITALIAN BIOECONOMY:
a revised strategy and new road map for
intensifying its contribution to the
sustainable growth of the country**

Comments and suggestions from National
Technological Clusters

Roma, May 14 2019

Giulia Gregori - Cluster SPRING Secretary General

CLUSTER SPRING WHO WE ARE



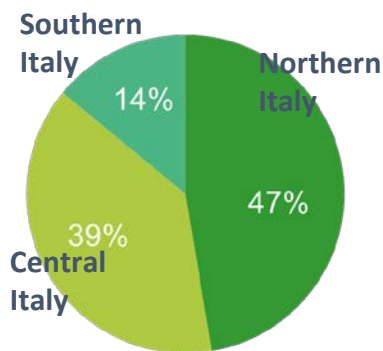
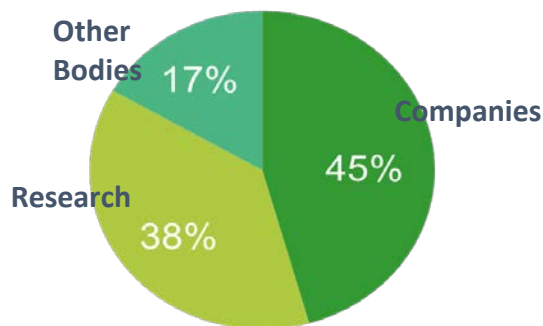
FOUNDERS



Constituted after a
Public Call
promoted by



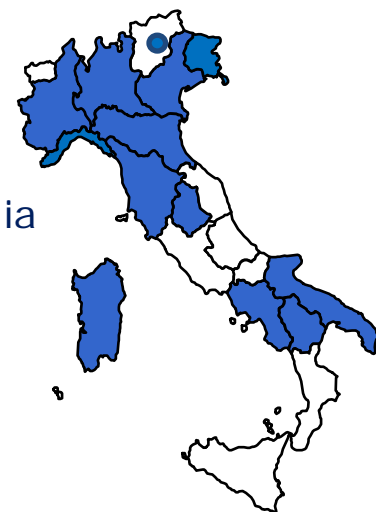
113 MEMBERS



SPRING members are large industry players, SMEs, associations, universities, research centres, foundations, regional innovation centres and many other entities active in the promotion of innovation and technology transfer

SUPPORTING REGIONS

Basilicata
Campania
Emilia Romagna
Friuli Venezia Giulia
Liguria
Lombardia
Piemonte
Puglia
Sardegna
Umbria
Toscana
Veneto
Autonomous Province of Trento



Permanent Standing Working Group
aimed at creating common activities of
networking and exchange



- 1 To **bring together** innovative realities active in the development of the bio-based sector in order to reach a circular and sustainable bioeconomy
- 2 To contribute to the creation of the **systemic conditions** for the development of attractive, dynamic, innovative and competitive contexts
- 3 To **encourage the creation** of a strong, representative and cohesive community
- 4 To **identify and exploit the existing and potential synergies** with all the actors at a regional, national, European and global level

SPRING MEMBERS



BIO-BASED SECTOR IN ITALY:

fundamental macro-sector for the bioeconomy

strong connection between **industry and the research**

high levels of innovation achieved through a number of **proprietary technologies first in the world**, in the chemistry and industrial biotechnology sectors

large private investments, and important projects for the reconversion of industrial sites affected by the crisis into bio-refineries for the production of bio-products and bio-chemicals from renewable sources

network of large, medium and small- sized companies which work together, in collaboration with the **agricultural world** and creating **partnerships with local actors**

OBSTACLES:

limited and discontinuous biomass availability;

limited market for biobased products;

insufficient clarity/transparency in the labeling of bio-based and biodegradable products;

need for huge risky investments for research, industrial scale-up and build-up of industrial flagship infrastructure.

- **spreading results on the territory**, thanks to the network of the members and the Regions
- **minimizing duplication and fragmentation**, in order to define a proper and **coherent legislative framework**
- maintaining and **reinforcing Italian excellence in R&D** in a global contest
- **interconnecting the main bioeconomy sectors**, creating longer, more sustainable and locally routed value chains
- **establishing a common ground in the discussion** with **regional, national and European institutions** which the Cluster considers as key partners for achieving the long-term objectives.



The National Strategy could really lead the transition towards a low carbon and resource efficient economy, creating many positive impacts in terms of territorial regeneration, through:

- restoring value to communities, multidisciplinary training in the field and encouraging the spread of a systemic and circular culture;
- reconverting decommissioned sites, thus preserving "virgin" land and minimising soil consumption;
- regenerating under-developed rural areas and helping to control climate change through reducing carbon dioxide emissions and the use of non-renewable resource
- strengthening of local economies, and the increase of their sustainability;
- doing a better alignment between EU, national, regional policies, regulations and coordination of local stakeholders

The **Italian Bioeconomy** could have even more **potential for growth**, if we succeed in the development of a **systemic and regenerative approach**, based on more efficient, competitive and **integrated value chains**, on a balanced access to renewable resources, on **sustainable production processes that respect the environment and the territory**, in order to lead to an overall **sustainability for the entire system**.

To move
forward in that
direction:

multiplying existent integrated projects in the local areas, creating **transformative technologies to overcome the "business as usual"** and integrated projects to preserve, but **also to regenerate, natural resources**



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Thanks for your attention!

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VISIT OUR WEBSITE

www.clusterspring.it