



Regione
Lombardia

Cluster Tecnologici Lombardi

Lombardy Green Chemistry Cluster

Boosting the bioeconomy
together

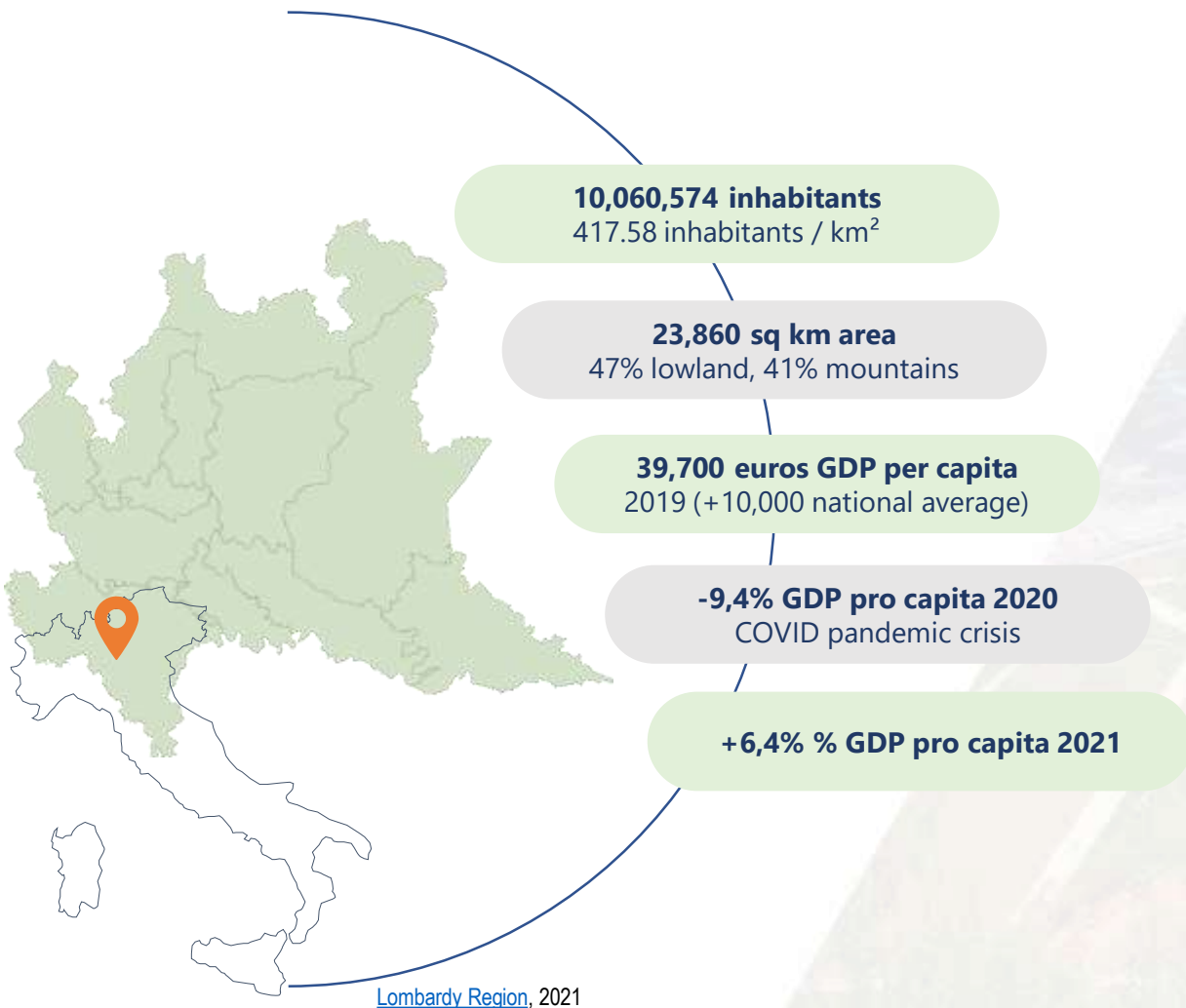
October 25th, 2022

Sergio Riva
President

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www.chimicaverdelombardia.it



Lombard **competitive ecosystem** in a nutshell



- Metallurgical, textile, **chemical, pharmaceutical, food** sectors represented by **800,000 companies**
- Industrial ecosystem made up of **99% micro and small** companies
- **Milan** alone concentrates **more than 40% of businesses**
- **9 High Technology Clusters:**
 - Aerospace
 - Agrifood
 - **Green Chemistry and Bioeconomy**
 - Smart communities
 - Creative and cultural industries
 - Energy
 - Health
 - Advanced manufacturing
 - Sustainable mobility
- **12 Universities** with **200 technical-scientific departments**
- **CNR** with **28 Institutes** and **Research Centers**

Lombard **green chemistry cluster**

Shaping the bio-based economy as the most powerful tools for sustainable development



UNIVERSITÀ
DEGLI STUDI
DI MILANO



- Founded in **2013** by **Consorzio Italbiotec**, the Italian leading no-profit organization on **biotechnology** sector together with **Università degli Studi di Milano, Milano Politecnico** and **Innovhub**
- Recognised in **2015** by the **Lombardy Region** as the regional Cluster of Bioeconomy and Green Chemistry
- Since **2016** technical coordinator of the **Bioeconomy Pilot** of the **Vanguard Initiative**
- **50 members** (50% SMEs, 15% firms, 35% RTOs)
- **4 value chains: AGROFOOD , GREEN CHEMISTRY, FOOD/PHARMA, WOOD**

LGCA : CONSIGLIO DIRETTIVO 2021-2023

RUOLO	COGNOME	NOME	ENTE DI APPARTENENZA	CATEGORIA
PRESIDENTE	RIVA	SERGIO	CONSORZIO ITALBIOTEC	SOCI FONDATORI
CONSIGLIERE	ADANI	FABRIZIO	UNIVERSITA' DEGLI STUDI DI MILANO	SOCI FONDATORI
CONSIGLIERE	GALIMBERTI	MAURIZIO STEFANO	POLITECNICO MILANO	SOCI FONDATORI
CONSIGLIERE	LUNGHİ	ANGELO	INNOVHUB-STAZIONI SPERIMENTALI PER L'INDUSTRIA SRL	SOCI FONDATORI
CONSIGLIERE CLUSTER MANAGER	BOSCO	DIEGO	ASSOCIAZIONE FONDAZIONE RENATO DULBECCO	ASSOCIAZIONI E CONSORZI
CONSIGLIERE	MALANCHIN	ROSELLA	ROELMI HPC SRL	PMI
CONSIGLIERE	BERNARDI	MARCO	AMIAQUE SRL (GRUPPO CAP HOLDING)	GRANDI IMPRESEI
CONSIGLIERE	ACCIARRI	MAURIZIO FILIPPO	UNIVERSITA' DEGLI STUDI DI MILANO-BICOCCA	ORGANISMI DI RICERCA (CNR, Bicocca, Brescia, Insubria, Pavia)
CONSIGLIERE	BERNASCONI	MARCO	FLANAT RESEARCH ITALIA SRL	PMI

Our contribution to **green acceleration** promote the circular (bio)economy growth



GREEN CHEMISTRY

Products and processes for **replacing** and / or **reducing** the use of rare, toxic and **polluting substances** and reducing energy consumption



BIOREFINERY & ADVANCED BIOFUELS

Creating **biorefineries** for the integrated production of value-added products from **no food crops** and waste biomass



CIRCULAR BIOECONOMY & BIOECONOMY MANAGEMENT

Promote the **bio-based products** market uptake, the implement **policies tools**, education and training



Sostenibilità
in Lombardia

Subscriber of the Protocol for Sustainable Development



Towards the **Position Paper** for the Lombard circular **bioeconomy**

Lgca **Projects/Initiatives**

- coordinator of the technical secretariat of the **Pilot Bioeconomy of Vanguard Initiative**, www.chimicaverdelombardia.it/en/vanguard
- coordinator of **HempCluB** european project (COSME), www.chimicaverdelombardia.it/en/hempclub-project
- partner of **ARDIA-Net** european project (Interreg Alpine Space), www.chimicaverdelombardia.it/en/ardia-net-project
- consultant for the communication of the **BIOMASS HUB** Lombardy project, www.chimicaverdelombardia.it/progetto-biomass-hub
- consultant for the **RICH** project (Cariplo Foundation), www.chimicaverdelombardia.it/progetto-rich
- COVID-19 impact assessment on chemistry industry, in collaboration with Lombardy Region, in the context of the **S3Chem** european project, www.chimicaverdelombardia.it/progetto-s3chem

* **“Bioeconomy Dialogues”**  **“Green Economy Dialogues”**

Grazie per l'attenzione

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