

MOBILITY ENERGY ENVIRONMENT



The future moves us.

The REGATRACE project

Target Workshop for the set-up of registries and integration into the European network

Dublin

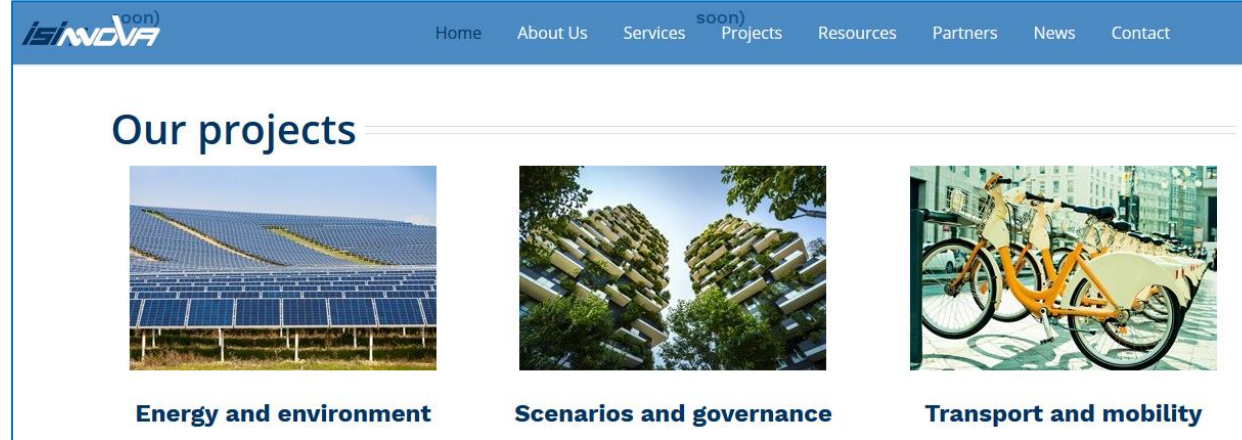
28th June 2019

Stefano Proietti, ISINNOVA



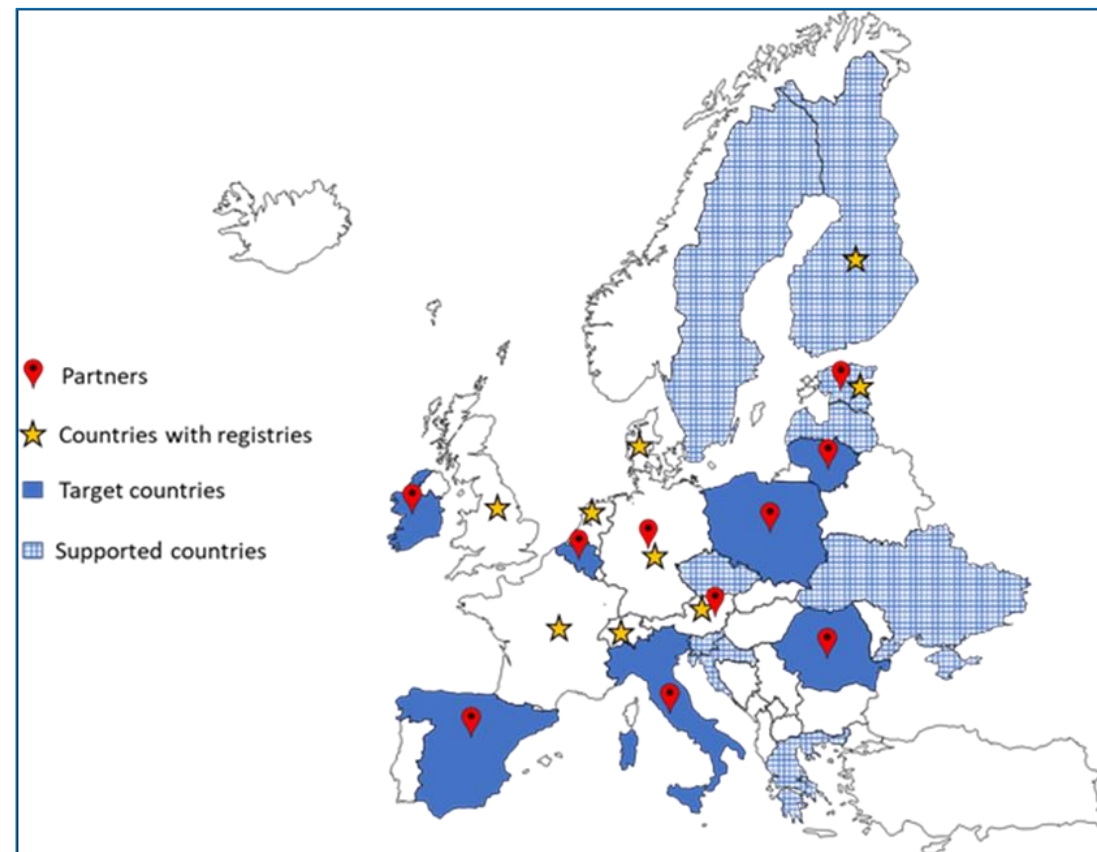
Who we are

- Research and consultant Institute founded in **1971**
- Consolidated experience in **energy efficiency, sustainable mobility, territorial systems, environmental sustainability**
- **15** members staff with **multidisciplinary background** in engineering, statistics, economics, politics and informatics
- Long story of collaboration at **national** (Ministries, Regions, Provinces and Municipalities) and **international** level (European Commission, World Bank, European Bank of Investments, foreigner Ministries, Regions e Municipalities, etc.)
- Specialised skills in **coordination** of projects, **analysis** of and support to policies, **impact assessment, evaluation** of policies and technologies energy efficiency, **monitoring** of participation processes to policies.
- www.isinnova.org



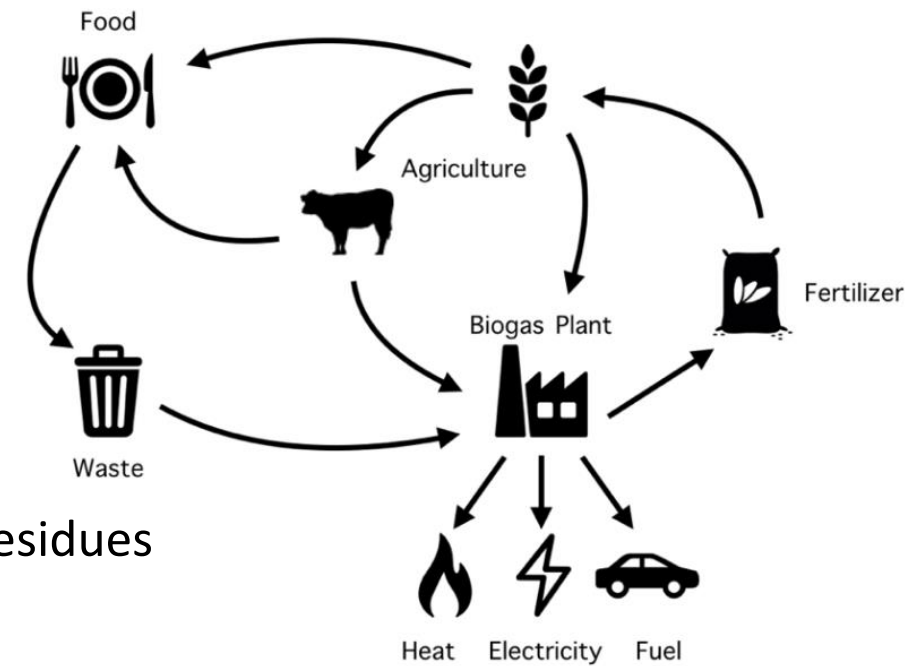
Project Summary

- **REGATRACE: REnewable GAS TRAdE Centre in Europe (HORIZON 2020);**
- **36 months** (June 2019- May 2022);
- **15 partners** in 10 countries: ISINNOVA, CIB (IT), EBA, AIB, ERGaR, Fluxys (BE), RFGI (IE), DENA, DBFZ (DE), AGCS (AT), Elering (EE), UPEBI (PL), ARBIO (RO), NEDGIA (ES), Amber (LT)
- **12 EBA Linked Third Parties + 5 ERGaR Linked Third Parties**
- **3.000.485,00 €** of EC funding (**100%**);
- **Activities:**
 - ✓ European biomethane/renewable gases GoO system
 - ✓ Set-up of national GoO issuing bodies
 - ✓ Integration of GoO from different renewable gas technologies with electric and hydrogen GoO systems
 - ✓ Integrated assessment and sustainable feedstock mobilisation strategies and technology synergies
 - ✓ Support for biomethane market uptake
 - ✓ Transferability of results beyond the project countries
 - ✓ Dissemination & Communication.



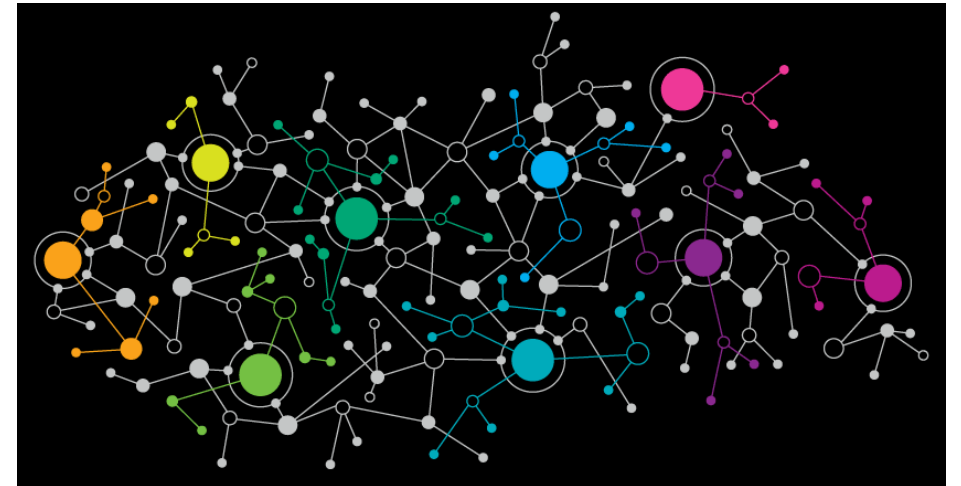
Why Biomethane?

- Perfect example of **circular economy**
- Renewable, efficient, flexible, versatile and programmable
- **Diverse** and **ample** feedstock: sewage sludge, municipal bio-waste, residues and crops from the agro-food sector
- Biogas production helps to **improve environmental efficiency** of waste treatment processes
- **High productivity** per hectare of biogas from crops, decreasing competition for land use
- Upgraded biogas as **equal to natural gas**:
 - CNG infrastructures and vehicles can be used
 - Natural gas can be complementary in security of supply
 - Upgraded biogas can be injected in and transported by the natural gas grids



European biomethane/renewable gases GoO system

- Establish the **network** of the national issuing bodies
- Establish **communication interfaces** between the hub and the participating national GoO issuing bodies
- Establish **communication dashboard** for system users
- Definition of **tender procedure** for the supply of hub and trading platform IT-services



Set-up of national GoO issuing bodies

- **Guidelines** for establishing national biomethane registries
- Set-up of national/regional biomethane **registries** in the target countries (**7 ones**).



Integration of GoO from different renewable gas technologies with electric and hydrogen GoO systems

- Analysis of GoO from **different renewable gas technologies** and development of verification standards
- **Comparison** of the ERGAR system for biomethane/renewable gas GoO and the AIB system for electricity GoO
- **Coordination** between the electricity and the biomethane/renewable gas and hydrogen certification (GoO) systems



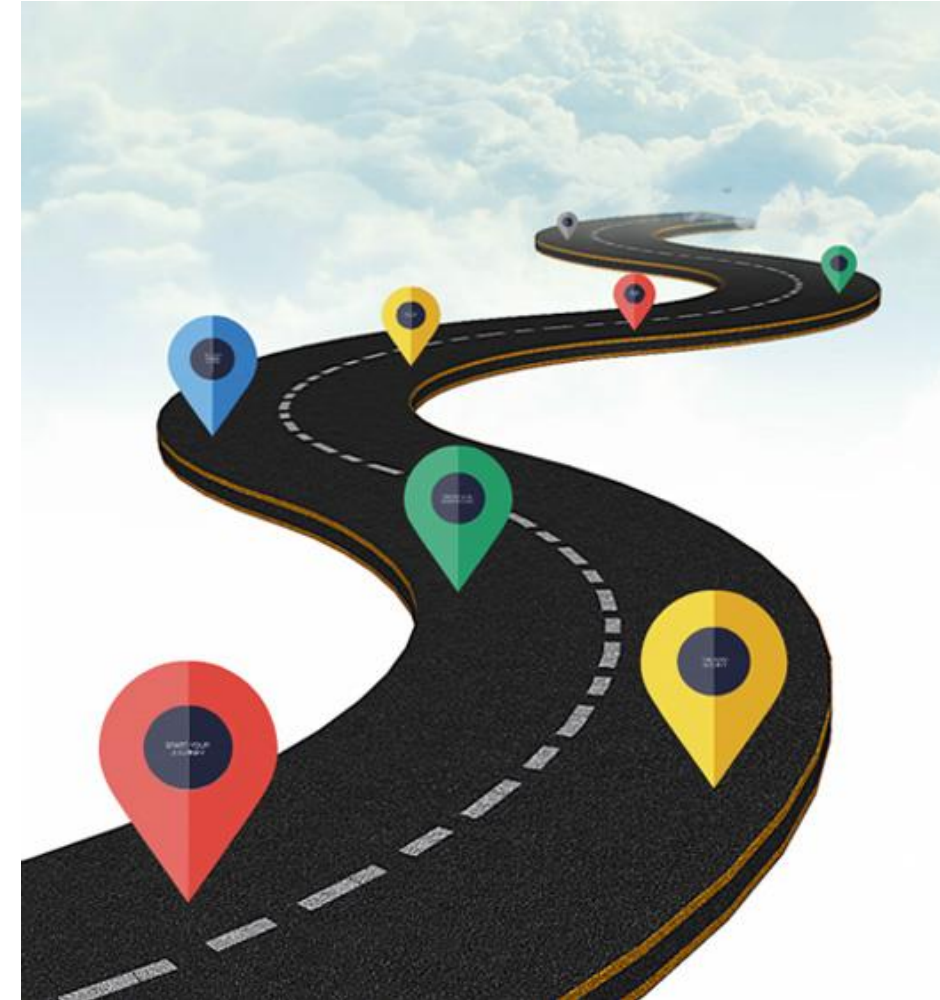
Integrated assessment and sustainable feedstock mobilisation strategies and technology synergies

- Assessment of **quantitative potential** of promising and competitive production capacities for renewable gases in the different countries of the project
- Mobilisation of waste and residue streams and identification of **hot-spot regions**
- **Guidelines** on renewable gas sustainability certification



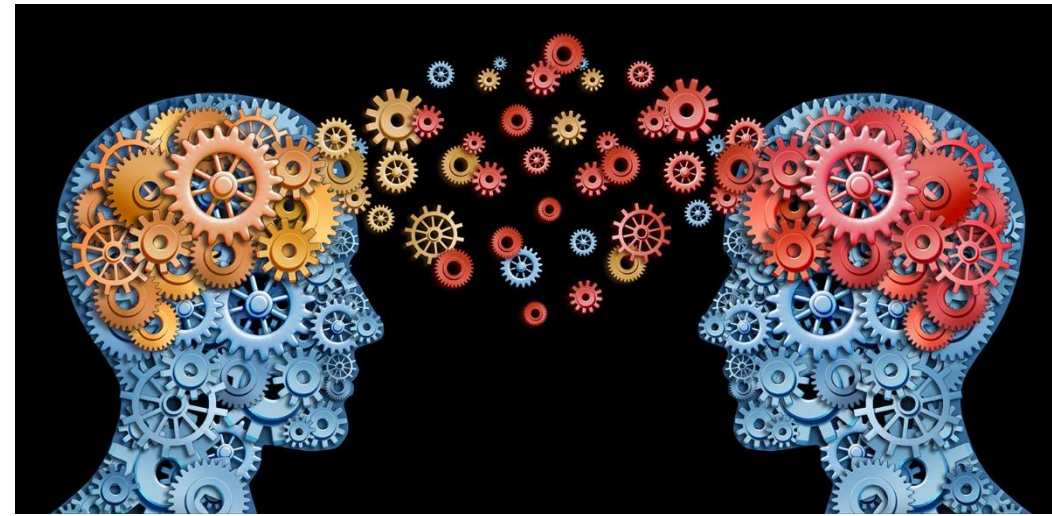
Support for biomethane market uptake

- **Mapping** on the state of play of renewable gases market in Europe (**23 countries**)
- National **strategic visions and roadmaps** (with 4 participatory workshops in **15 countries**)
- **Guidance** for feasibility analysis and **guidebook** on securing financing for biomethane investments



Transferability of results beyond the project's countries

- Proper exploitation and transferability of project results through the organisation of **seven** workshops in non-partner countries (in BG, HU, LU, NO, PT, RS and SK).
- These workshops represent, through the involvement of the main local/national stakeholders, the opportunity to consolidate and exchange the concepts and outputs developed by the project (e.g., on registries, GoO, REGATRACE trading system, Power-to-Methane sustainability etc.), with the aim to trigger a **replication effect** outside it.



Agenda of the Workshop

| TIME | TOPIC | MODERATOR / PRESENTER |
|---------------|---|-----------------------------|
| 09:00 -09:10 | Welcome & Introduction to Workshop | PJ McCarthy (RGFI) |
| 09:10 -09:25 | The REGATRACE project | Stefano Proietti (ISINNOVA) |
| 09:25 -09:50 | European overview of registries and Germany registry | Matthias Edel (DENA) |
| 09:50 -10:10 | Registry in Austria | Andreas Wolf (AGCS) |
| 10:10 -10:30 | State of the Registry in Ireland | PJ McCarthy (RGFI) |
| 10:30 -11:00 | Q&A | |
| 11:00 -11:20 | Coffee break | |
| 11:20 -11:40 | ERGaR concept for cross-border biomethane trade and the role of the network of the registries | Attila Kovacs (ERGaR) |
| 11:40 -12:00 | The EECS system and its application to renewable gases | Katrien Verwimp (AIB) |
| 12:00 -12:20 | Q&A | |
| 12:20 – 12:30 | Conclusions | |
| 12.30-13:30 | Lunch Break | |

WORKSHOP



Thank you for your attention!

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Gravie!