



Italy's Green Recovery Strategy and the European Climate Agenda

Ifri Green Deal Virtual Lunch Series

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BIOGAS IN ITALY: STATE OF ART

	PLANTS (n.)	CAPACITY (MW)
AGRICULTURAL BIOGAS	1.699	1.009
BIOGAS FROM WASTE	487	446
TOTAL	2177	1445

Updated to Dec. 2019 (Terna)

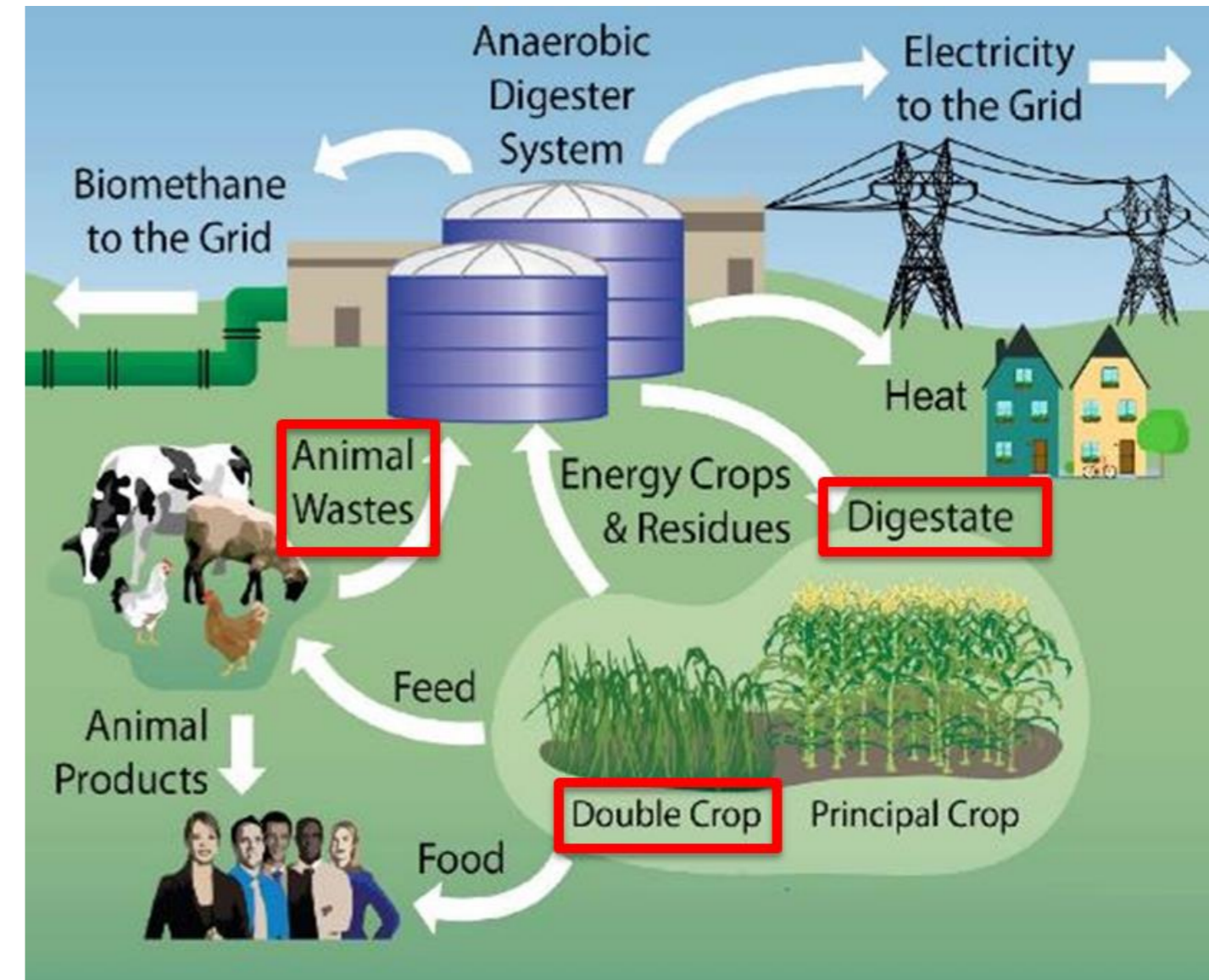
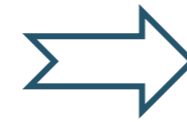
AGRICULTURAL BIOGAS

- ✓ **80% of national plants**
- ✓ Investments of **4,5 billion euros** in 5 years
- ✓ **12.000 permanent jobs**

Promotion of the local supply chain, 100% Made in Italy, thanks to: clear and applicable rules

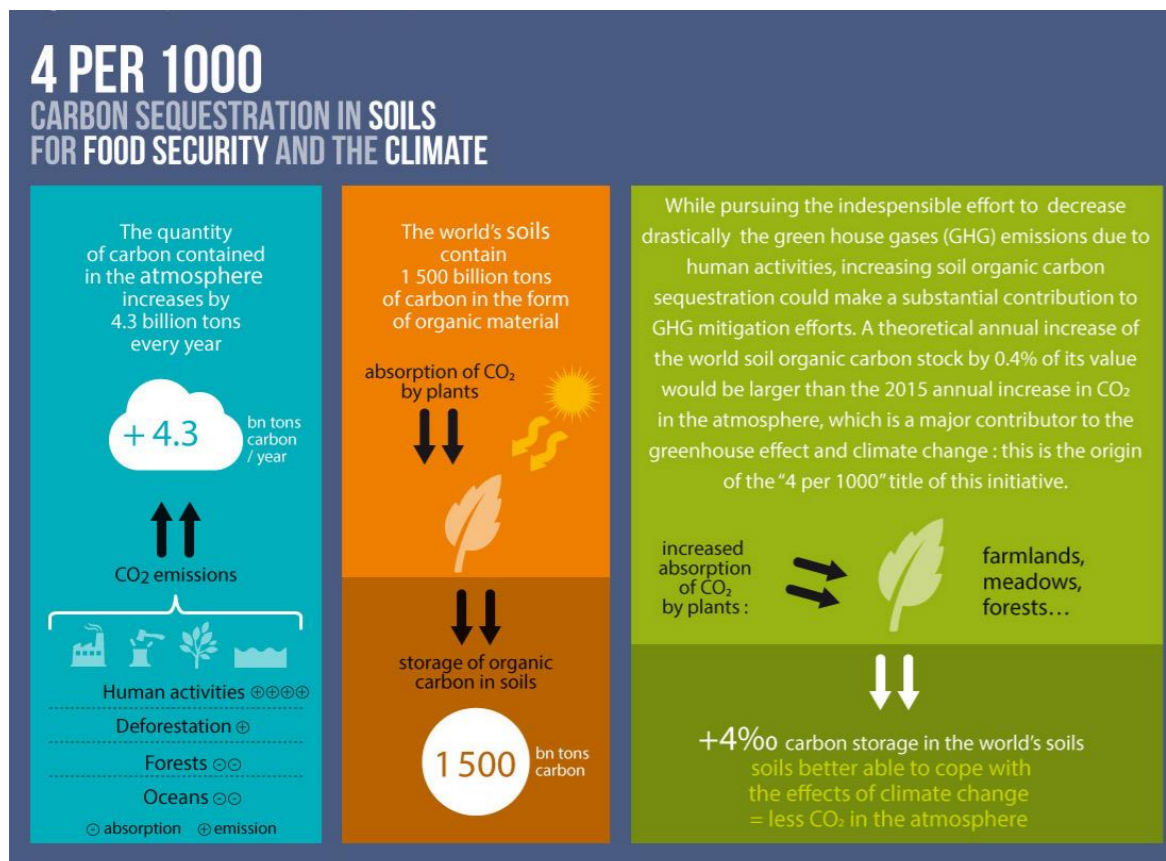
BIOGAS AS AN AGROECOLOGICAL ENABLER

The **biogasdoneright®** model as a different way of farming improving economic and environmental performances of farms.

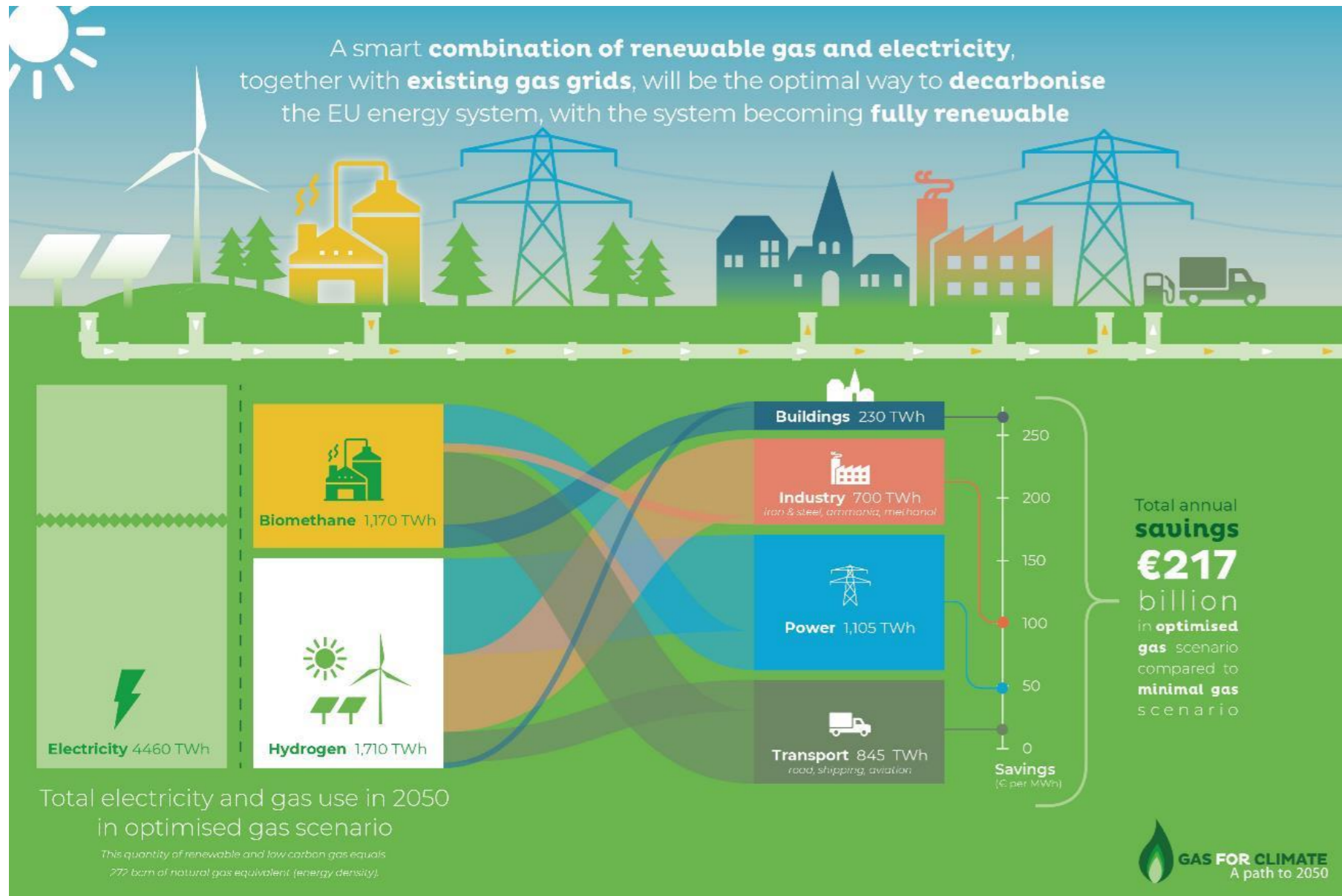


The biomethane production is not the goal, but the tool to support an agroecological transformation of farming.

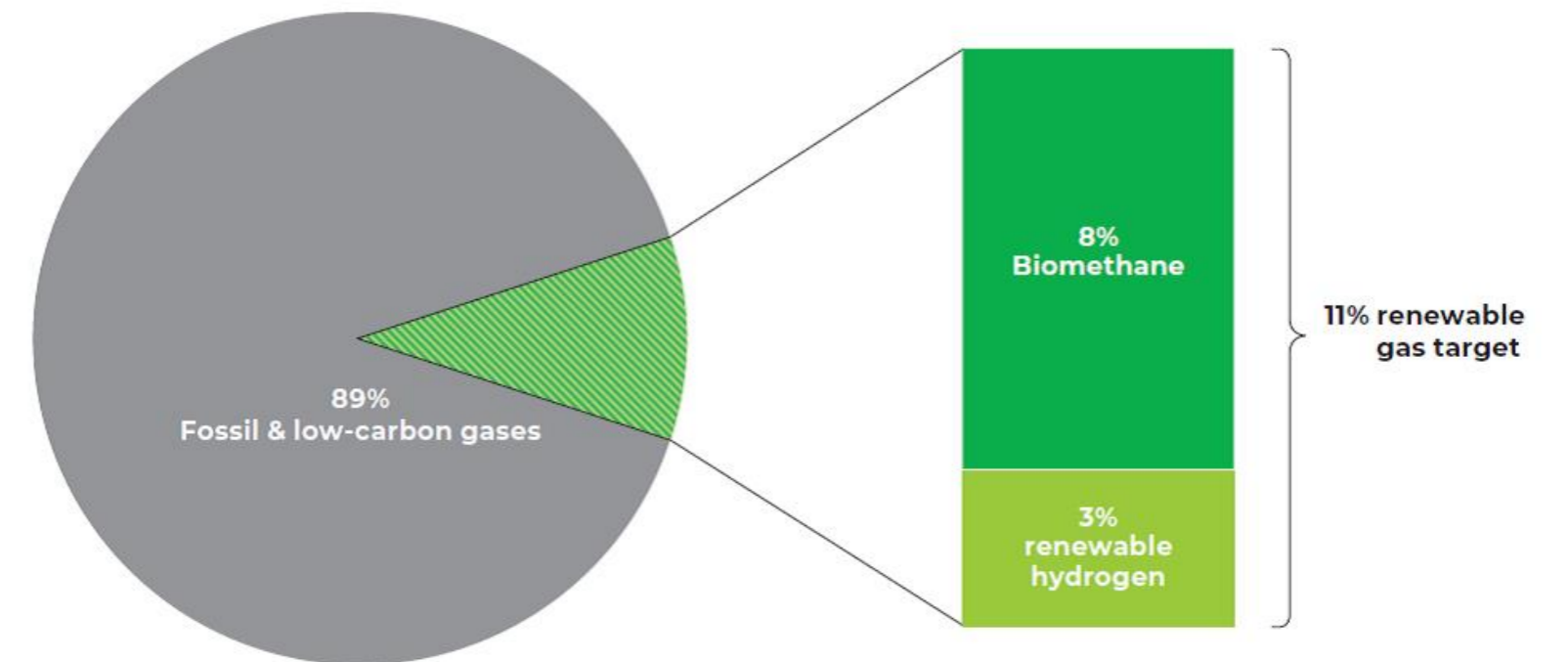
Farmers can be part of solution : photosynthetic eco-intensification and agroecosystems recarbonization.



THE ROLE OF RENEWABLE GAS IN EUROPE: A sustainable future potential



2030 11% renewable gas target





BIOGAS/BIOMETHANE SHOULD HAVE A PIVOTAL ROLE IN THE GREEN RECOVERY STRATEGY



Biomethane is a **programmable** energy carrier complementary to the production of intermittent renewable sources and it's able to **reduce emissions in difficult-to-electrify** sectors (heavy transport, industry, chemicals, steel, etc. .)



Biomethane is a transportable energy that can be **stored** at costs of an order of magnitude lower than those achievable in the electricity grid, with infrastructures that are mostly already built, thus **not requiring** expensive **adaptations** and consequent landscape-environmental impacts.



Biomethane produced from biogenic carbon is a renewable source that can progressively transform the **gas grid** into a **negative carbon infrastructure**.



Biomethane is essential to reach the net zero carbon target by 2030.



NO NET ZERO CARBON WITHOUT BIOGAS



Sector integration strategy (July 2020) – biogas to complement the energy supply in sectors that are difficult to electrify: industry and transport (particularly maritime) – underlines the need to use the untapped feedstock potential for biogas



Methane Strategy (October 2020) - covering the areas of energy, agriculture and waste, to tackle emissions of methane and exploiting synergies between sectors, such as biogas production



RED II revision/Annex IX (June 2021) – Upward review of the targets + further promotion of renewable fuels including gas in hard-to-decarbonize sectors (industry & transport) - extension of the biomass list needed



"Gas package" (4Q 2021) - positioning renewable and low-carbon gases in the overall energy system – new start for the biogas sector



Carbon Farming Initiative – could be the opportunity to recognize the role of Biogasdoneright® farmers on delivering greenhouse gas emission reductions and even negative emissions



Thank you!

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