

Introduction to the BIOSURF Project

BIOSURF workshop
Amsterdam, 05th December 2017



Biomethane as Sustainable and Renewable Fuel

- **Horizon 2020** project initiated by EBA
- **7 countries:** AT, BE, DE, FR, HU, IT, UK
- **3 years: 2015 – 2017**
- To address all important issues related to developing the European biomethane industry and market
- **Coordinator: ISSINOVA** Institute for Studies for the Integration of Systems

Partners:

Arge Kompost und Biogas Österreich (AKB)	AT
Association Technique Energie Environment (ATEE) Club Biogas	FR
Consortion Italiano Biogas e Gassificazione (CIB)	IT
European Biogas Association (EBA)	BE
Fachagentur Nachhaltende Rohstoffe (FNR)	DE
Fachverband Biogas e.v. (GBA)	DE
Gas Clearing and Settlement AG (AGCS)	AT
German Biomass Research Centre (DBFZ)	DE
Hungarian Biogas Association (HBA)	HU
Instituto di Studi per L'Integrazione dei Sistemi (ISINNOVA)	IT
Renewable Energy Association (REA)	UK

Project structure

	Topics	WP leader
WP1	Project coordination & Management	ISINNOVA
WP2	Networking & Cooperation	ISINNOVA
WP3	Biomethane trade	EBA
WP4	Sustainable raw material supplies	FNR
WP5	GHG emission reduction certification	DBFZ
WP6	Regional specific program (AT, IT, FR)	CIB
WP7	Impact analysis & Political dimension	EBA
WP8	Dissemination & Communication	EBA



Art of trade	Market	Source of bonus payments	Addressed in:
Physical product	Regulated by EU and national governments	State aid: financial support/ incentives	WP3 Tasks 1-3.
Product Certificate	Free market	willing consumers	WP3 Tasks 4-6.
Emission Certificate	Emission Trading System	environment polluters	WP5

Work Package 3.

D 3.1. Comprehensive guidelines for establishing national biomethane registries

D 3.2. Proposal on cross-border biomethane administration

D 3.3. European Biomethane Guarantees of Origin

D 3.4. Technical-economic analysis for determining the feasibility threshold for tradable biomethane certificates

D 3.5. Market survey on biomethane acceptance and evaluation

D.3.6. Proposal for the establishment of national and European biomethane certificate trading platforms

D.3.7. European biomethane standards



Work Package 4.

Objectives

WP4 will aim to:

- Assess the current and future sustainable raw material supply for biomethane production in six partner countries (AT, DE, FR, HU, IT, UK);
- Provide an improved understanding among decision-makers in policy and industry regarding sustainability requirements in the raw material supply chain for biomethane production;
- Identify sustainability criteria and indicator (C&I) for biomethane value chains, gap analysis of respective legislation, regulation and voluntary schemes at international, European and EU Member State level;
- Compile consistent sustainability C&I for the short- and medium-term biomethane industry, and an outlook for long-term developments;
- Develop guideline for the evaluation of the environmental performance of selected raw material feedstocks for biomethane production.



Work Package 5.

Deliverables

- D5.1: Recommendations for the adaptation of the GHG calculation methodology for biomethane systems included in Annex V of the EU RED (Month 18);
- D5.2: Assessment of GHG reduction potentials due to the use of animal excrements and organic waste streams as biogas substrates and the replacement of industrial chemical fertilisers by digestate (Month 20);
- D5.3: Methodology for the calculation and certification of GHG emission caused by the production of biomethane (in the whole Life Cycle) (Month 22);
- D5.4: Description of the most prominent drivers of emissions in LCA for biomethane production (Month 24);
- D5.5: Comprehensive Methodology on calculating entitlement to CO₂ certificates by biomethane producers (Month 30).



Much more on the website:

www.biosurf.eu