



# BioLens

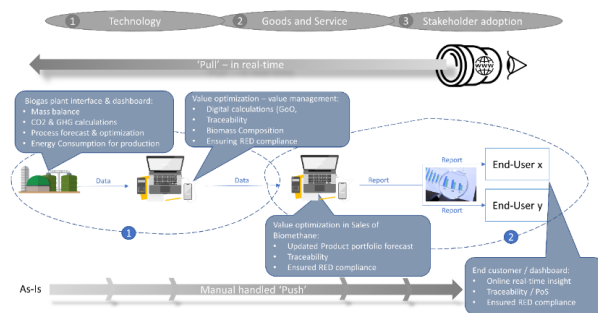
## BioLens

“ BioLens will change the way we look at digital transparency when trading Biomethane and Guarantees of Origin in the EU.

BIOLENS will form the basis for a new standardized and comprehensive digital transparency within biomethane production and marketing. This creates a new strong data-driven foundation on which sustainability can be evaluated, compared, and traded across countries and borders.

BioLens will utilize the data that is being collected by the producers already in order to maintain a certified production and build a transparency platform enabling traders to easily convey sustainability information to end-users. Currently this information is generated in large using excel which embeds a data risk. BioLens will increase credibility by lifting these operations out of excel and into the BioLens platform.

Further BioLens will use the same data that forms the foundation for the sustainability documentation of the production, to create a production forecasting tool for the biogas plants. Using AI and machine learning biogas plants will be able to simulate the effect of the production from different biomasses. This will increase production stability and the ability to act proactively and avoid process break down which is a very costly situation.



ERA-Net Smart Energy Systems



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### Project Duration

01.01.2022 - 31.10.2023

### Project Budget

Total Budget: € 968.300.-

Funding: € 493.970.-

### Project Coordinator

FremSyn ApS (Denmark)

### Project Partners

- Thorsø Miljø og Biogasanlæg (Denmark)
- Biofuel Express AB (Sweden)

### Project Website

TBA

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**ERA-Net Smart Energy Systems Joint Call 2020 (MICall20)**

This project has been awarded funding within the ERA-Net SES Joint Call 2020 for transnational research, development and demonstration projects. 22 Mio EUR of funding have been granted to 21 projects active in 17 regions and countries.

## Main Objectives

- Direct “Lens” for end-users of biomethane to view sustainability documentation on deliveries.
- Lift data production out of excel to ensure increased data security.
- Develop production forecast module to be used by the biogas plants.

## Main Results

- Transparency Platform for end-users’ access to Guarantees of Origin and Sustainability Documentation.
- Production Forecasting Module for Biogas Plants.
- Automated document generation (Guarantees of Origin and Sustainability Documents).
- Easy scalability to all biogas plants regardless of system and operation system.



**Joint Programming for Flourishing Innovation – from Local and Regional Trials towards a Transnational Knowledge Community**

[www.eranet-smartenergysystems.eu](http://www.eranet-smartenergysystems.eu)

