



Standardisation of biomethane injection



The challenges of biomethane injection in Spain

■ TECHNICAL CHALLENGES

Lack of homogeneity in the admissible technical conditions in transport / distribution

■ ECONOMIC CHALLENGES

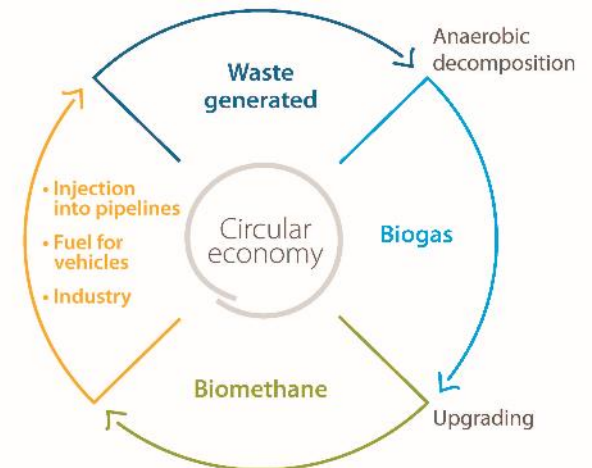
Non-existence of economic instruments that encourage the development of this market

■ REGULATORY AND ADMINISTRATIVE CHALLENGES

Need for a stable and clear legal and regulatory framework

■ SPANISH BIOGAS ROADMAP

In draft stage. Unambitious goals



TECHNICAL CHALLENGES

■ Composition

Standardization of frequency, quality (e.g. oxygen)

Harmonization transmission – distribution

National implementation of EU standards

Responsibilities for measurement (different ownership criteria transmission vs distribution)

■ Odorization

Harmonize responsible and odorization point

■ Reverse flow

Does not currently exist in Spain

Progress is being made with distributors in technical solutions



ECONOMIC CHALLENGES



- Support schemes

 - No Feed-in Tarif

 - No Feed-in Premium

 - National GO and certificates registry not yet ready (draft decree just published)

- Entry Tariff

 - Only injection in distribution network is exempted in Tariff Network Code

- Hydrocarbon Tax

 - No exemption to biogas / biomethane

REGULATORY AND ADMINISTRATIVE CHALLENGES



- Administrative procedures

 - Complexity of construction application and authorization procedures for plant and pipeline

- Regulatory framework

 - Updating of regulation and energy planning needed according to this new model with more atomized and delocalized inputs

- Interconnection pipeline

 - Stable and clear legal and regulatory framework (not part of NTS, not clear ownership)

- Interconnection network

 - Establishment of prescriptive connection zones (transmission vs distribution)



THANK YOU

