



Project Acronym : BIORES

Project Title : Reinforcing investments in Biogas technologies for small scale RES applications in islands

Coordinator : EPTA - ENERGY - ENVIRONMENT - LOCAL DEVELOPMENT Ltd (Greece)

Website : www.biores.eu

ABSTRACT

BIORES promotes small-scale decentralised energy production from biogas derived from municipal waste in islands. This is linked with the energy end-use needs of the island communities. In addition, it promotes sustainable waste management. The aim of the project is to develop a decision support system to enhance investments in biogas technologies in European islands by overcoming existing non-technical barriers. So far, the existing potential of 6 European islands for exploiting biogas derived from waste, as well as their energy end-use needs, were assessed. The project focuses on 6 European islands, namely Samos (Greece), Samsø (Denmark), Sardinia and Tremiti islands (Italy), Porto Santo (Portugal) and Western Isles (UK).

These objectives will be reached by (i) overcoming non-technical (administrative, regulatory, market) barriers and financing obstacles that hinder investments on energy production from biogas derived from waste and (ii) developing decision support tools for the assessment of the techno-economic perspectives and feasibility of such investments.

All the technologies based on biogas derived from waste that have been successfully implemented in European islands were identified. Moreover, the benefits from the implementation of these small-scale RES technologies were analysed and disseminated to local communities. The non-technical administrative, regulatory and market barriers regarding the penetration of biogas technologies in the market, as well as best practices for overcoming non-technical barriers, were also identified and analysed. Currently, an evaluation methodology for the detection of the most preferable technology is being developed taking into account a number of parameters and special characteristics of each specific area.

PARTNERS

EPTA - Energy-Environment – Local Development Ltd – **Greece**; ALAWS - Association of Local Authorities of West Samos – **Greece**; ALESA - Local Agency for Energy and Environment – **Italy**; BSI - Business Systems International S.A – **Greece**; INETI - Instituto Nacional De Engenharia Tecnologia e Inovação I. P. – **Portugal**; ISLENET - The Outer Hebrides of Scotland (Comhairle Nan Eilean Siar) – **United Kingdom**; PEPS - Multiss - Punto Energia Provincia di Sassari – **Italy**; SEMK Samsø Energi- og Miljøkontor – **Denmark**; UPATRAS - University of Patras / Economic Department – **Greece**.