Objective

SYSTEMIC will reach a break-through to re-enter recovered nutrients from organic waste into the production cycle. Consequently, this will offer solutions for pressing environmental issues and to reduce the import of P as finite irreplaceable resource in mines.

The SYSTEMIC project aims to shift the European Biomass treatment practice to the next level. Departing from existing business cases and a new ground-breaking large scale demonstration plant, the future of anaerobic digestion (AD) value chains will be investigated and demonstrated. The result will help existing and future AD-operators to maximise their performance: produce and sell more quality products, generate more energy and be independent on subsidies. By the market driven leadership, the SYSTEMIC-project will finally turn biomass waste into valuable products while reducing water pollution, greenhouse gas emission and creating quality jobs in rural
The planned demonstration plant will allow innovative combinations of modules to elaborate possible optimizations for increasing the production quantity and quality of new mineral products, and the integration of these products into a circular economy. Reflecting the experiences from the demonstration plant with a set of 4 mirror cases in different members states allow systemic innovation including end-user driven (a) specific technical development and (b) the cost efficient investigation of real world circular economy business cases and (c) operational, regulatory, institutional and contextual barriers to overcome.

Using partial funding from the EC, the SYSTEMIC industry-driven consortium will validate for the first time the technical and economic viability of a fully integrated, multistep approach in an operational environment. The successful practical demonstration will put the European sector in a leading position to offer efficient mineral recovery technologies.

Field of science

/social sciences/economics and business/business and management/commerce
/engineering and technology/environmental engineering/energy and fuels/fossil energy/gas
/social sciences/economics and business
/natural sciences/earth and related environmental sciences/environmental sciences/pollution
/agricultural sciences/agricultural biotechnology/biomass

Programme(s)

Call for proposal

H2020-CIRC-2016TwoStage

Funding Scheme

IA - Innovation action

Coordinator
Participants (14)

AMPOWER
Belgium
EU contribution
€ 1 083 950

Address
Brugsesteenweg 176
8740 Pittem

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

GROOT ZEVERT VERGISTING BV
Netherlands
EU contribution
€ 1 121 977,50

Address
Deventer Kunstweg 2 A
7156 NW Beltrum

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

ACQUA & SOLE SRL
Italy
EU contribution
€ 518 350

Address
Via Vittor Pisani 16
20124 Milano

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
RIKA BIOFUEL DEVELOPMENTS LTD

United Kingdom

EU contribution

€ 297,788,75

Address

Aldenham Hall, Morville
WV16 4RN Bridgenorth

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

GNS GESELLSCHAFT FUR NACHHALTIGE STOFFNUTZUNG MBH

Germany

EU contribution

€ 210,350

Address

Weinbergweg 23
06120 Halle

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

A-TUOTTAJAT OY

Finland

EU contribution

€ 84,000

Address

Itikanmaenkatu 3
60100 Seinajoki

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

ICL FERTILIZERS EUROPE CV

Netherlands

EU contribution

€ 75,250
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<th>Country</th>
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<th>Activity Type</th>
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<td>UNIVERSITA DEGLI STUDI DI MILANO</td>
<td>Italy</td>
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</tbody>
</table>
VLAAMS COORDINATIECENTRUM MESTVERWERKING

Address
Baron Ruzettelaan 1
8130 Sint Andries Brugge

Activity type
Other

EU contribution
€ 472 713

Contact the organisation

EUROPEAN BIOGAS ASSOCIATION

Address
Rue D'arlon 63-65
1040 Brussels

Activity type
Other

EU contribution
€ 138 750

Contact the organisation

THE RURAL INVESTMENT SUPPORT FOR EUROPE FOUNDATION

Address
Rue De Treves 67
1040 Bruxelles

Activity type
Other

EU contribution
€ 324 818,75

Contact the organisation

Last update: 29 June 2020
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