

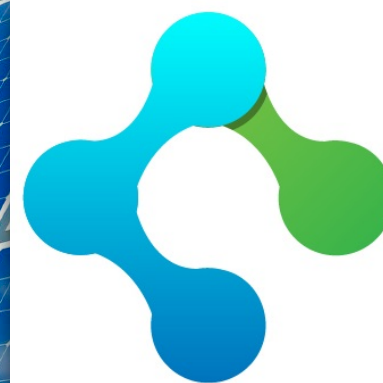
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**LE2C**

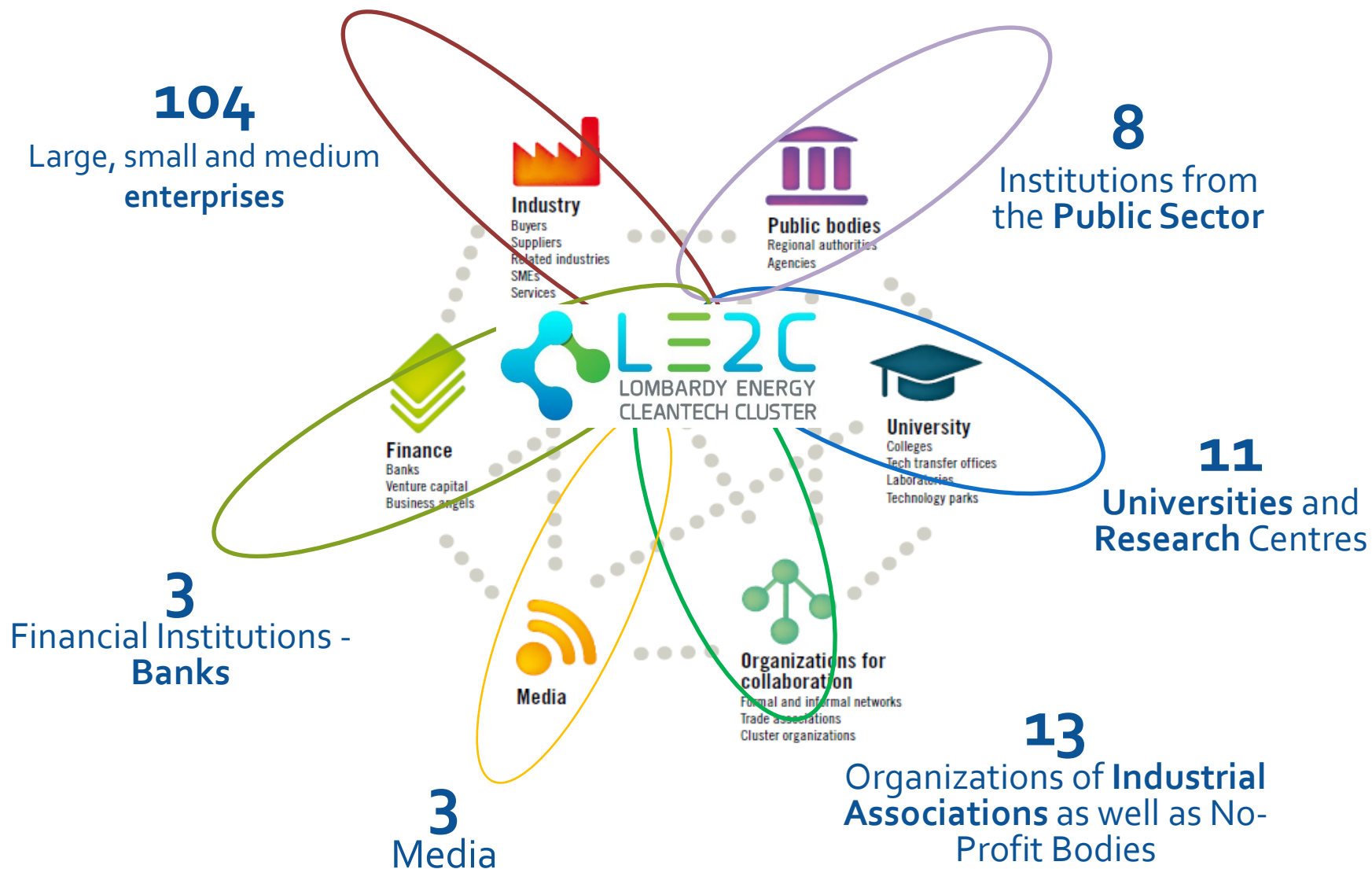
LOMBARDY ENERGY  
CLEANTECH CLUSTER

## – CLUSTERS AND ADVANCED ECOSYSTEMS SUPPORTING COMPETITIVE CIRCULAR ECONOMY - THE EXPERIENCE OF LE2C & VIDA PROJECT

Luca Donelli | LE2C President

11th February 2020 | Kemi, Finland

# LE2C: a MULTIPLE HELIX SYSTEM

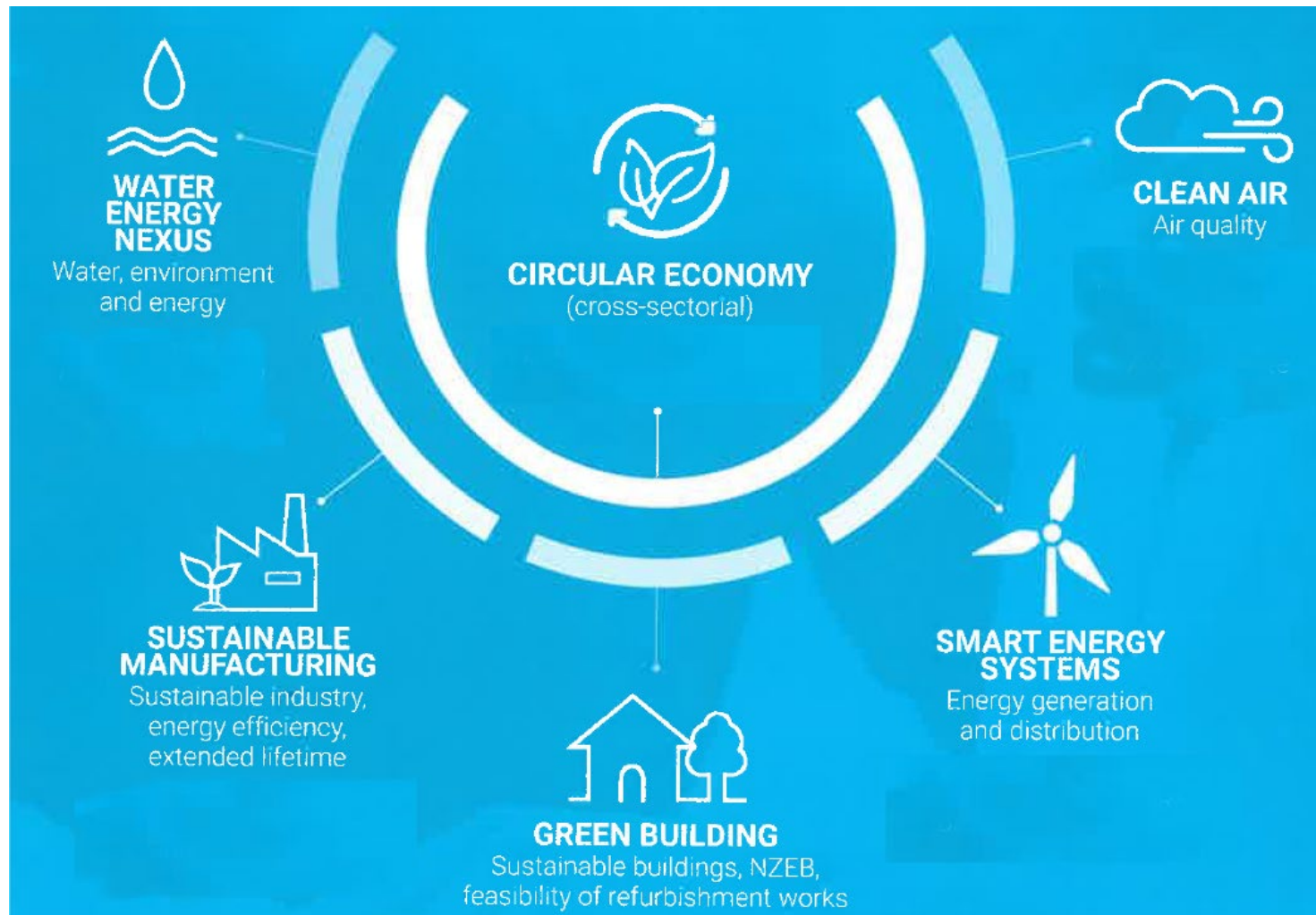


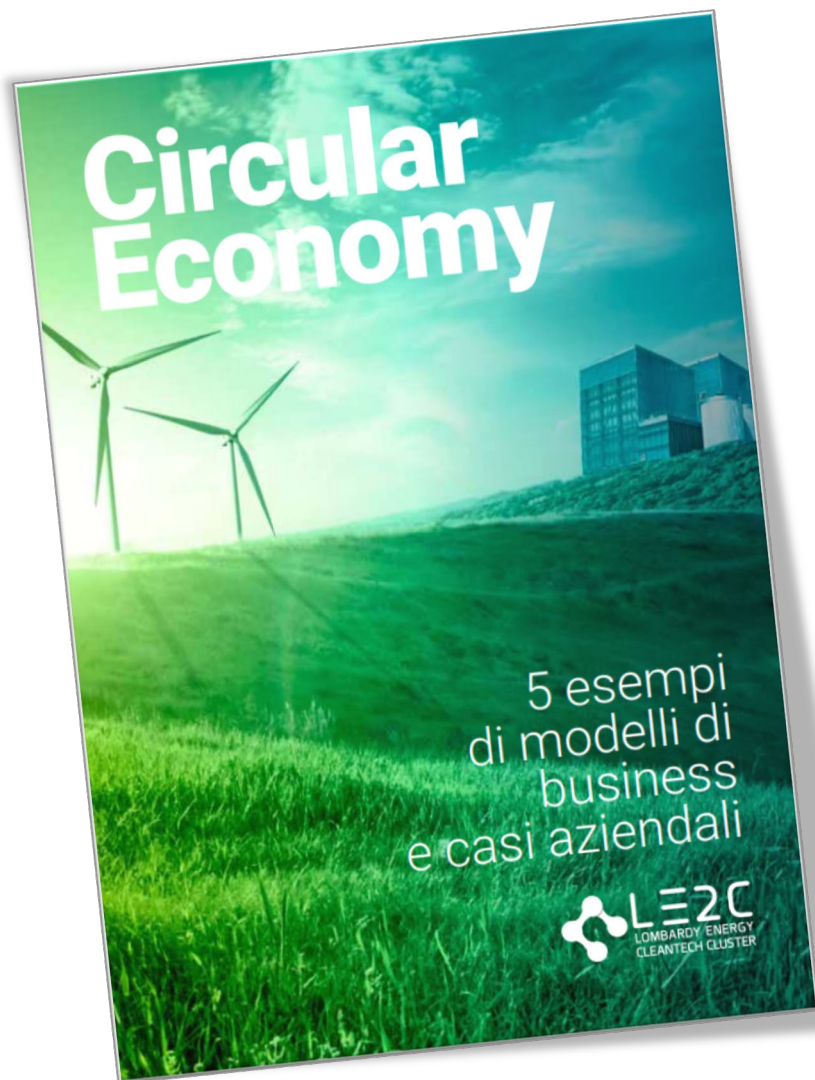


# OUR FOCUS AREAS

LE2C has identified **5 priority action Areas** where research centers and businesses can work together to promote innovation, encourage technology transfer and create viable business opportunities that deliver tangible benefits.

**CIRCULAR ECONOMY** started as a 6<sup>th</sup> priority action area and then turned into a cross-sectorial approach





In 2019, LE2C has edited and promoted the publication of “**Circular economy: 5 examples of business models and business cases**”.

The document explains **what circular economy is** by looking at the different business models and illustrating **concrete cases** of 5 companies applying the relevant models:

Bissi Holding, Gruppo CAP, Cannon Bono Energia, Schneider Electric, Themis

## «Value added Innovation in fooD chAins»

**Goal:** support innovation potential of SMEs working across European food chains interested in improving the use and efficiency of water, food, energy and key enabling technologies (KET)

**Activities:**

- Grants for SMEs in order to enable them to tackle technological challenges. VIDA funds
  - Innovation support vouchers (ISV)
  - Validation Vouchers (VV)
  - Demonstration Vouchers (DV)
- Support services: online platform and B2B's, distance training...

**Budget:** € 4.988.766, of which **81% for SMEs**. Financed by INNOSUP of HORIZON 2020

**Duration:** 36 months (2018-2021)

**Involved Countries:** NL, IT, PT, ES, DE, CZ, DK (10 Partners)

## Results until the 30 of September:

- **107 proposals** submitted with **256 SMEs** involved
- **31 projects** (16 ISVs, 7 VVs and 8 DVs ) with a total budget of **€1.635.243,72** awarded for funding
- **56 SMEs** and **23 innovation** actors received funding.

## Budget status:

Type of Voucher	Total budget [€k]	Granted* [€k]	Remaining [€k]
Innovation Support	105	72	33
Validation	250	163	87
Demonstration	3.000	1.340	1.600
<b>TOTAL</b>	<b>3.355</b>	<b>1.635</b>	<b>1.720</b>

\* Until 30th of September 2019

## ITALIAN PROJECTS

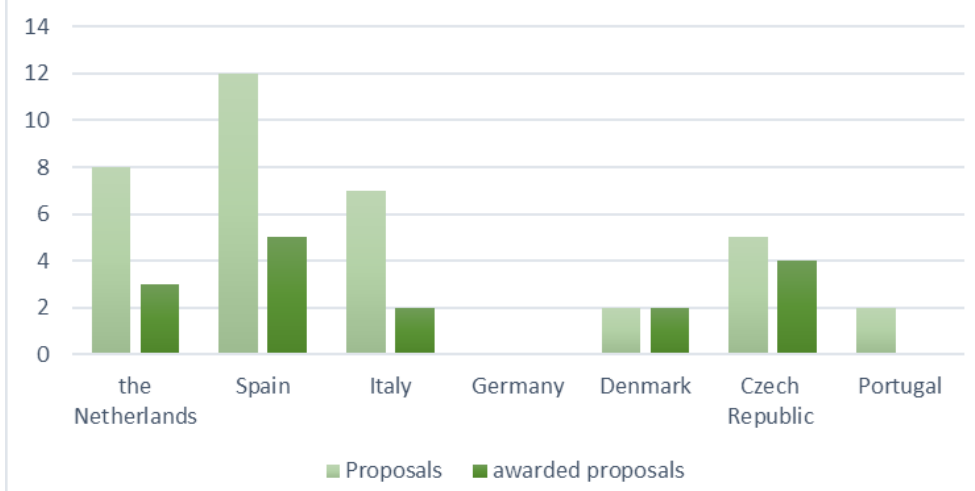
- 1 Italian project winner of Demonstration Voucher 1<sup>st</sup> call (494.660€)
- 2 Italian projects winners of Innovation Support Voucher (10.000€)
- 1 Italian project winner of Validation Voucher (25.000€)
- 5 SMEs awarded
- +
- 3 Italian projects winners of Demonstration Voucher 2<sup>nd</sup> call (recently selected – January 2020)



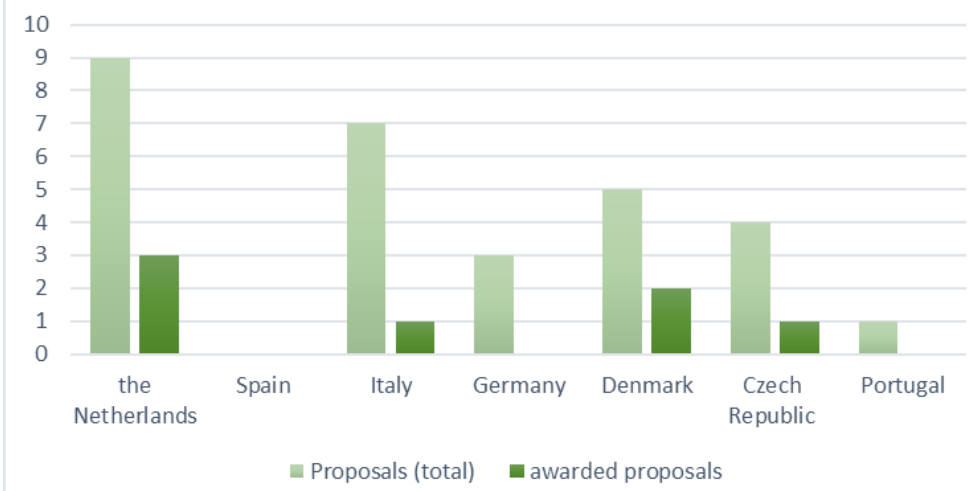
VIDA

value-added innovation  
in food chains

## Innovation Support Voucher



## Validation Voucher



## Demonstration Voucher

first call



+ DV second call

The Netherlands: 6  
 Spain: 1  
 Italy: 3  
 Denmark: 1

# SLUDGE PROJECT

## ADVANCED METHODS OF SEWAGE SLUDGE MANAGEMENT IN AN INNOVATIVE LOMBARDY HUB

### Project Consortium:

A2A Ambiente S.P.A.

Brianzacque S.R.L.

Istituto Di Ricerche Farmacologiche Mario Negri

Lariana Depur S.P.A.

MM S.P.A.

Tcr Tecora Srl

### Budget:

€ 9 .904.708,53

### Co-funded by Lombardy Region:

€ 4 .266.823,86

- **Goals:** The project proposes an integrated approach of technological knowledge for the development of **new technologies for the valorization of sewage sludge**, whose competitiveness and sustainability is assessed through an integrated system of measures and models that make it possible to **quantify and measure economic and health impacts and regulatory solutions** for the Lombardy system according to a **circular economy approach**.



# BIOMASS HUB PROJECT

## BIOMETHANE FOR A SUSTAINABLE SOCIETY: DEVELOPMENT OF AN ITALIAN LABORATORY OF CIRCULAR ECONOMY FROM BIOMETHANE

### Project Consortium:

Agromatrici

Ab Impianti Srl

Acqua & Sole Srl

Amga Legnano Spa

**Università Degli Studi Di Brescia**

Nano Sensor Systems Srl

Consiglio per la richiesta in agricoltura e l'analisi dell'economia agraria (CREA)

### Budget:

€ 9.453.105,91

### Co-funded by Lombardy Region:

€ 4.318.451,66

### Goals:

- Boosting Lombardy's energy **transition to renewable energy** and **sustainable mobility**
- Promoting the application of the **circular economy to the waste cycle** with energy production, chemicals and renewable fertilizers (end-of-waste)
- Stimulate the **decarbonisation process** and the reduction of environmental impacts resulting from the circularity of the process and thus the reduction of emissions produced.

# AGREEMENT FOR SUSTAINABLE DEVELOPMENT IN LOMBARDY

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**LE2C joined the Agreement for Sustainable Development in Lombardy.**



This Agreement promotes the **adoption of the principle of sustainable development** – in both public and private decision-making processes - in order to make Lombardy one of the leading region in Europe in terms of **sustainable policies, biodiversity and ecosystem services conservation, circular economy, energy transition** towards the development of renewable sources and **decarbonisation**.

# THANK YOU FOR YOUR ATTENTION

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