

EASME

Executive Agency for Small and Medium-sized Enterprises

H2020 for CE: opportunities and levers for European regions

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Project Adviser/ H2020 Eco-Innovation



Outline of presentation

- **H2020: opportunities and barriers for regions and cities?**
- Case examples: H2020 R&I support for circular economy / eco-innovation
- What is next?

The Multiannual Financial Framework 2014-2020

1. Smart & inclusive growth* (€451 billion)



2. Sustainable growth, natural resources (€373 billion)

3. Security and citizenship (€16 billion)

4. Global Europe (€58 billion)

5. Administration (€61.6 billion)



(figures are given in constant prices)



Key features of H2020

- **Non-territorial**
 - mainly transnational approach based on excellence and impact
- **Individual (R&)I Projects**
 - tackling the whole cycle of innovation, taking into account strategic approaches at EU level, e.g. through European Innovation Partnerships and the Strategic Energy Technology plan
- **Directly managed** (European Commission/executive agency) and **awarded directly to final beneficiaries**
- **Bi-annual work programmes** describing topics
- **Competitive calls for proposals** (one-stage or two-stage) addressed to **multi-country consortia** without geographic pre-allocation



Local and regional authorities (LRA) in H2020

- **LRA – 1.6% (731) of all participations**
 - "Champions" ES, **IT**, UK
 - Energy, transport, climate action, health
 - **RIA, CSA**, IA, ERA-NET
- **Instruments**
 - ERA-NETs + EIT KICs + Regional Innovation Scheme
- **Enabling conditions / barriers**
 - + Human resources, integrated strategies
 - Human resources, application requirements, difficulty in finding partners, difficulty in implementing synergies with other funds

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Results of 2016 Evaluation: IAs

H2020-CIRC-01-2016: Systemic, eco-innovative approaches for the circular economy: large-scale demonstration projects

a) Design for circular value and supply chains

Budget: €68,5M

H2020-CIRC-02-2016: Water in the context of the circular economy

a) Demonstrating the potential of efficient nutrient recovery from water

Budget: €12,1M

Results of 2016 One-Stage Topics

H2020-CIRC-03-2016 (CSA)

Smart specialisation for systemic eco-innovation/circular economy

- Budget: 1.5 MEUR
- **SCREEN** - Synergic Circular Economy across European Regions

H2020-CIRC-04-2016 (RIA)

New models & economic incentives for circular economy business

- Budget: 3.0 MEUR
- **R2PI**- Transition from Linear 2 Circular: Policy and Innovation

H2020-SC5-25-2016 (CSA)

Macro-economic and societal benefits from creating new markets in a circular economy

- Budget: 500,000 EUR
- **CIRCULAR IMPACTS** - Measuring the IMPACTS of the transition to the CIRCULAR economy



BlueScities

Making Waste and Water Smart

Instrument: CSA

EC contribution: €1M

Duration:

01/02/2015

31/01/2017

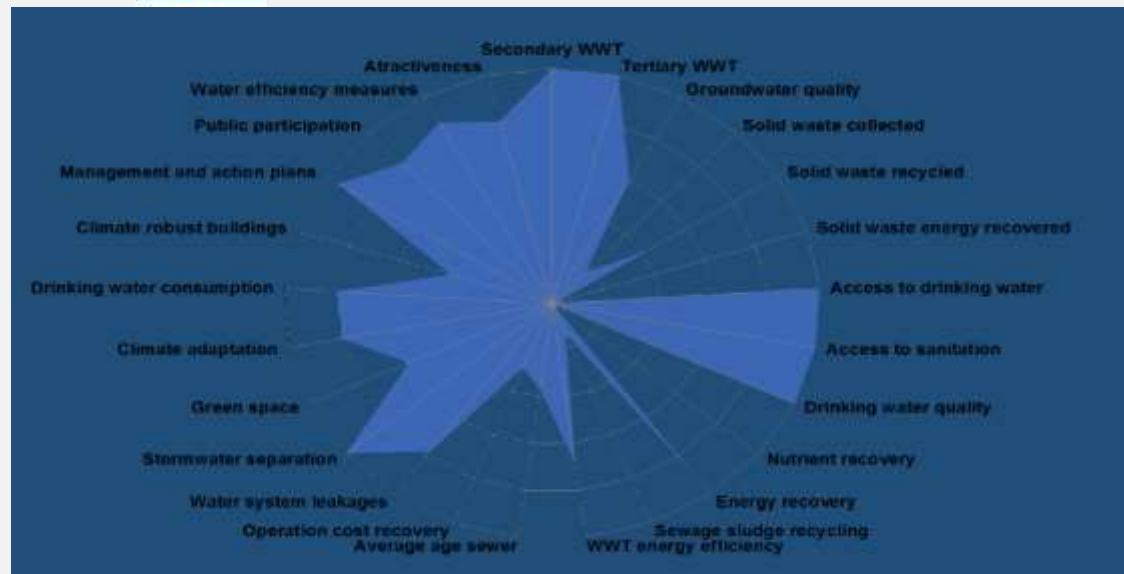
Project coordinator:

FUNDACIO CTM CENTRE

TECNOLOGIC (ES)

Contact:

<http://www.bluescities.eu/>



FORCE: Cities Cooperating for Circular Economy

Instrument: IA

EC contribution: €9,7M

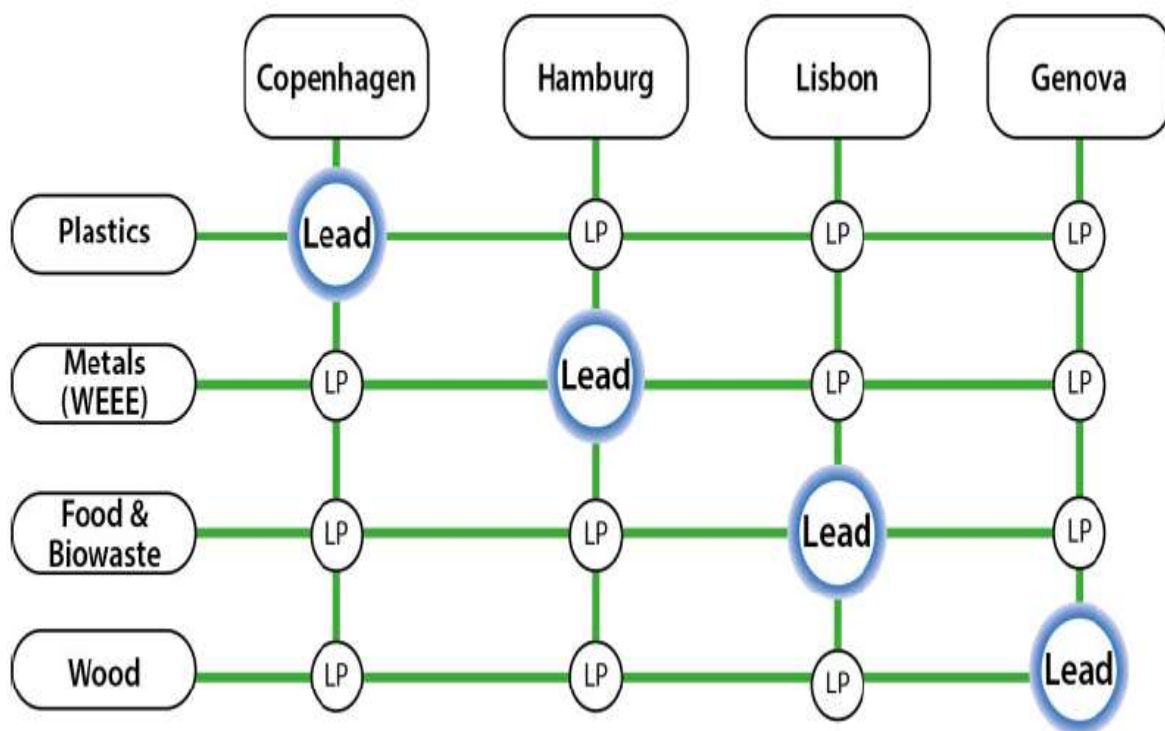
Duration:

01/09/2016

31/08/2020

Project coordinator:

Copenhagen Municipality
(DK)



MArket uptake of an innovative irrigation Solution based on LOW WATER-ENERgy consumption

State of the art



Integration

Innovation

ICT

Sun-tracking

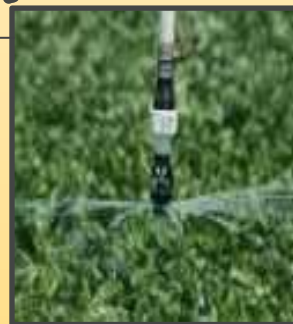
Intermittence-free



Smart system



Cloud



Instrument: IA
EC contribution:
€4M

Duration:
01/09/2015
31/08/2018

Project coordinator:
UPM (ES)

Contact:

<http://maslowaten.eu/?lang=en>



Moving towards Life Cycle Thinking by integrating Advanced Waste

Instrument: IA

EC contribution: €8,8M

Duration:

01/06/2016 - 30/11/2019

Project coordinator:

Fundación Deusto (ES)

Contact:

<http://waste4think.eu/about>

CITIZEN



SCIENCE



APPS

EDUCATIONAL



MATERIAL

Outline of presentation

- H2020: what opportunities and barriers for regions and cities?
- Case examples: H2020 R&I support for circular economy / eco-innovation
- **What is next?**

Circular Economy 2017 Call Horizon 2020

CIRC-01-2017: Systemic, eco-innovative approaches for the circular economy: large-scale demonstration projects

Systemic services for the circular economy

- Deadline: **5/09/2017** for stage 2
- Total indicative budget : **€ 44M**
- Recommended EU contribution/project: **4-7 M€**

CIRC-02-2017: Water in the context of the circular economy

Towards the next generation of water systems and services – large scale demonstration projects

- Deadline: **05/09/2017** for stage 2
- Total indicative budget: **€ 30M**
- Recommended EU contribution/project: **10 M€**

Work Programme 2018-2020

Strategic Programme Overarching Document published:

- Big mission-oriented high impact calls and broader topics
- Increased investment in sustainable development and climate related R&I
- Integrating digitisation in all industrial technologies and societal challenges
- Strengthening international R&I cooperation
- Societal Resilience
- Market creating innovation

- **Scoping paper SC5** setting out strategic priorities for 2018-2020 and translation into calls
 - Climate action in support of the Paris Agreement
 - Circular economy
 - Water for our environment, economy and society
 - Innovating cities for sustainability and resilience
 - Raw materials
 - Protecting and valorizing our natural and cultural assets (Earth observation, Nature based solutions, disaster risk reduction and natural capital accounting, Heritage alive)

Info Day on 2018 Calls for proposals

- Info day on 8 and 9 November 2017 in Brussels
- Registration for the event will open in July
- The event provide insights on Horizon 2020 Societal Challenge 5
 - ✓ Climate Action
 - ✓ Environment
 - ✓ Resource Efficiency
 - ✓ Raw Materials



<https://ec.europa.eu/easme/en/2017-information-day>

Become an independent expert



**25% new
experts**



**Read excellent
proposals**



**Network with
fellows**

- ✓ Academia
- ✓ Private sector / innovation agencies
- ✓ **Local / national authorities / agencies**

Call for experts:

<http://ec.europa.eu/easme/en/call-experts-climate-action-environment-resources-management>

Conclusion

- CE remains a key focus area in the next upcoming H2020 calls
- Role of regions / cities is important
 - Value chain approach
 - Systemic innovation
- Synergies between H2020 / ESIF
 - Practical examples are needed
 - Evidence-based proposals for upcoming reform of FP9



EASME

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**THANK YOU
FOR YOUR ATTENTION**

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EASME on Twitter

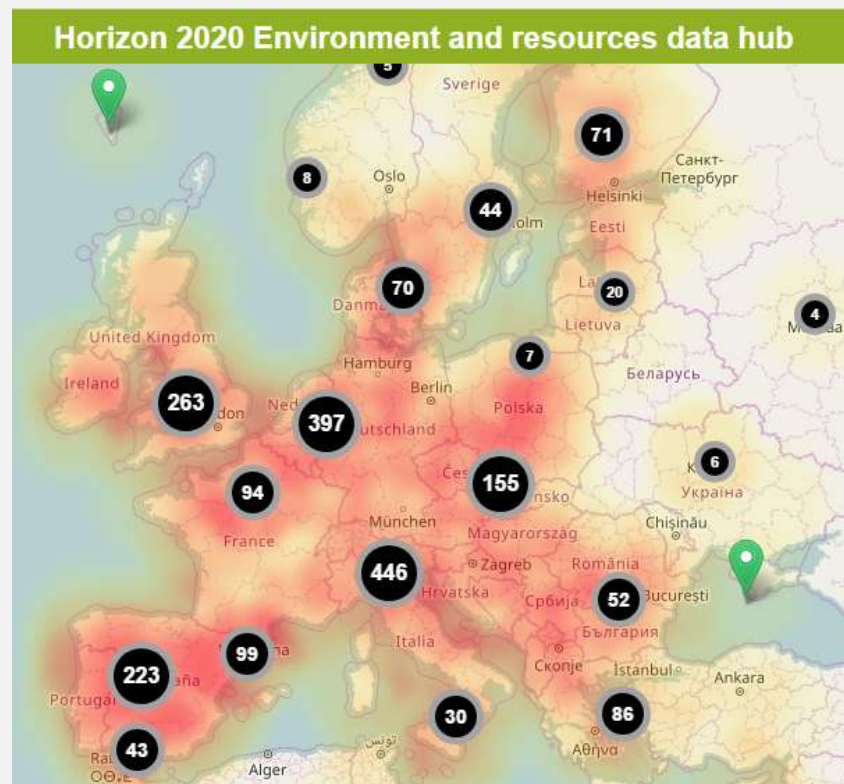


@EU_ECOINNO @keti.medarova



Data Hub

- Open access covering EASME programs
- Projects summaries and beneficiaries
- Relevant statistics per topics



Statistics



2336 PARTICIPANTS



1162,29M€ ALLOCATED



401 PROJECTS
COORDINATED



TOPICS PER COUNTRY