

EASME

Executive Agency for Small and Medium-sized Enterprises



SME SUPPORT



ENERGY



ENVIRONMENT



MARITIME

EASME

Executive Agency for Small and Medium-sized Enterprises

H2020 and LIFE: EU Research and Innovation (R&I) activities

Stefania Rocca

Project Adviser, H2020 Eco-innovation

stefania.rocca@ec.europa.eu

European Nutrient Event

19th October 2017

Basel / CH



Content

1. EASME in a nutshell

2. R&I activities within EASME programmes

➤ H2020

➤ LIFE

3. The way forward

Content

1. EASME in a nutshell

2. R&I activities within EASME programmes

➤ H2020

➤ LIFE

3. The way forward

**Horizon 2020
SME Instrument**

@H2O2SME

€ 3.1 BN*

COSME the EU programme
for the Competitiveness of SMEs

€ 2.3 BN

Enterprise Europe Network
@EEN_EU

Horizon 2020
Energy Efficiency

@H2020EE

EU Sustainable
Energy Week
(EUSEW)

@euenergyweek

CIP Eco-innovation

@LIFE_Programme € 3.4 BN

**Horizon 2020 Climate action,
environment, resource efficiency
and raw materials**

@EU_ecoinno

€ 2.7 BN*

**Sustainable Industry
Low Carbon II (SILC II)**

The European Maritime and Fisheries Fund (EMFF)

€ 0.34 BN*

EASME

Executive Agency for Small
and Medium-sized Enterprises

The EASME manages programmes
on the turn

**Horizon 2020
SME Instrument**

@H2020SME

€ 3.1 BN*

COSME the EU programme
for the Competitiveness of SMEs

€ 2.3 BN

Enterprise Europe Network
@EEN_EU

**Horizon 2020
Energy Efficiency**

@H2020EE

€ 0.8 BN*

EU Sustainable
Energy Week
(EUSEW)

@euenergyweek

CIP Eco-Innovation

LIFE the EU Programme for the
Environment and Climate Action

@LIFE_Programme

€ 3.4 BN

**Horizon 2020 Climate action,
resource efficiency and raw materials**

@EU_ecoinno

€ 2.7 BN*

**The European Maritime
and Fisheries Fund (EMFF)**

€ 0.34 BN*

Intelligent Energy Europe (IEE)

Sustainable Industry
Carbon II (SILC II)

Content

1. EASME in a nutshell

2. R&I activities within EASME programmes

➤ **H2020**

➤ **LIFE**

3. The way forward

H2020: “Industry 2020 in the Circular Economy” (2016-2017)

- A Focus Area that gathers together actions from the **Leadership in Enabling and Industrial Technologies** (LEIT) and **Societal Challenges**
- Tackles the different elements that are part of the transformation towards a **circular economy**
- Aims to position Europe as a front-runner in the Circular Economy



H2020: “Industry 2020 in the Circular Economy” (2016-2017)



Relevant topics to nutrient recovery activities

Topics covered:

- **Systemic, eco-innovative approaches** for the circular economy: large-scale demonstration projects

CIRC-01-2016: Design for **circular value and supply chains**

- **Water in the context of the circular economy:**

CIRC-02-2016: Demonstrating the potential of **efficient nutrient recovery**

CIRC-02-2017: Towards the next generation of water systems and services - **large scale demonstration projects**

Funding:

Overall budget of **650 M€**, of which **154 M€** allocated to CIRC topics



Innovation Actions

EU contribution/action: **6-10 M€**

Level of funding: **70%**

Consortium: SMEs, Industries, Academia and Research
Minimum 3 EU MS or H2020 associated countries

Case Examples in CIRC-01-02-2016

	Project	Title	Coordinator	Website
	SYSTEMIC	Systemic large scale eco-innovation to advance circular economy and mineral recovery from organic waste in Europe	Wageningen University Research- NL	https://systemicproject.eu/
	RUN4LIFE	Recovery and Utilization of Nutrients 4 Low Impact Fertilizer	FCC AQUALIA SA-ES	https://sc5.easme-web.eu/?p=730285
	Water2Return	REcovery and REcycling of nutrients TURNing wasteWATER into added-value products for a circular economy in agriculture	BIOAZUL- ES	http://www.bioazul.com/en/portfolio/water2return/



Total EU funding of 19.9 M€

New Calls under Horizon 2020

WP 2018-2020 *Societal Challenge 5*

Connecting economic and environmental gains – the Circular Economy (480 M€)

- CE-SC5-01-2018: Methods to remove hazardous substances and contaminants from **secondary raw materials** (34 M€)
- CE-SC5-04-2019: Building a **water-smart economy and society** (72 M€)



Next planning:

November 2017	February 2018	September 2018
Opening of the call	Stage 1 Evaluation	Stage 2 Evaluation

https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/h2020-sc5-2018-2020_09_15_2017_forpublication.pdf

H2020: "SME Instrument"



Scope covered:

All relevant H2020 topics (now fully bottom-up). It includes three phases:



Indicative Funding 2018:

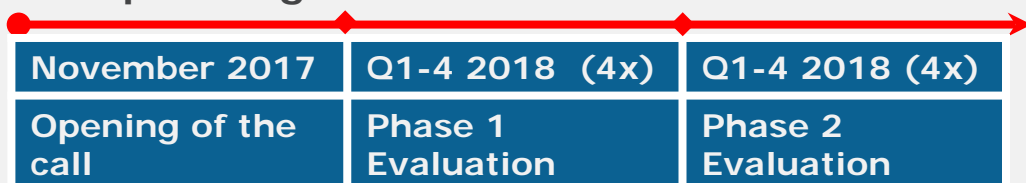
Total allocated Budget of **479 M€**

Phase 1: 50 k€ (lump sum)

Phase 2: 0.5-2.5 M€

During all phases: Business coaching

Next planning:



<https://ec.europa.eu/easme/en/news/sme-instrument-and-fti-2018-2020-check-draft-work-programme-1>

Eligibility:

Single SME or consortium of SMEs

EU MS or countries associated to H2020

H2020: “Fast Track to Innovation” (FTI)

Scope covered:

All relevant H2020 topics (now fully bottom-up).

Aiming to:

- Reduce time from idea to market → last push
- Encourage participation of industry
- Stimulate private sector investments in R&I

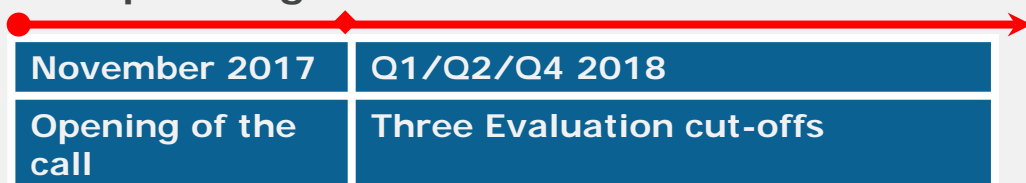
Indicative Funding 2018:

Total allocated Budget of **100M€**

EU contribution/action: up to **3 M€**

Level of funding: up to 70 %

Next planning:



<https://ec.europa.eu/easme/en/news/sme-instrument-and-fti-2018-2020-check-draft-work-programme-1>

Eligibility:

Consortia of 3 to 5 members

At least 60 % of budget under Industry partner or:
2 industry among 3/4 partners;
3 industry among 5 partners

Objective: Commercialization of nitrogen-control technology (micro-biological solution) that has the potential to remove over 60% of nitrogen from several organic waste materials

EU Funding: 1.41 M€



Executive
Agency for
SMEs

LIFE Programme



LIFE focus: Impact on Environment

Scope/topics covered in 2014-2020:

Environment sub-programme

- Environment & Resource Efficiency
- Nature & Biodiversity (55% of total budget)
- Environmental Governance & Information

Climate Action sub-programme

- Mitigation
- Adaptation
- Governance & Information

Indicative Funding 2014-20:

Total allocated Budget: **3.4 BN €**
Level of funding: 55/60%

Water (2014-16):

51 projects – Average EU contribution of 1 M€

Planning 2017-18 (It may change for 2018-19):

Sept 2017	Q4 2017-Q2 2018
Deadline for submission of proposal	Evaluation

Eligibility:

Coordinating beneficiary based in the EU

No pre-defined number of associated beneficiaries (one beneficiary is possible)

Case example: "SAVING-E"- Two-Stage Autotrophic N-removal for mainstream sewage treatment

Objective: Pilot activities aiming at improving energy savings, reducing carbon dioxide emissions, and reducing operational costs of Wastewater Treatment Plant

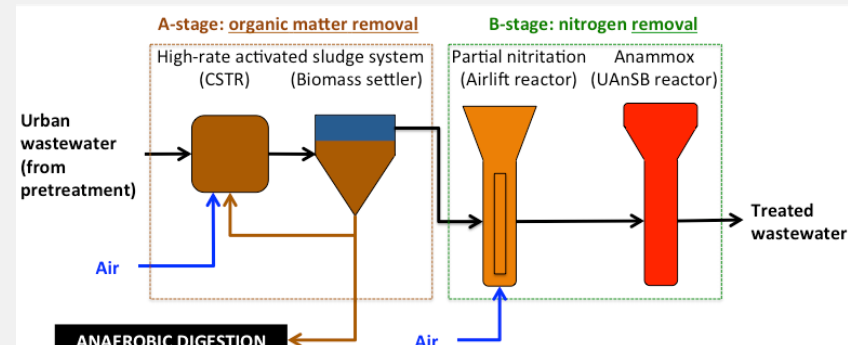
Funding theme:
Water - Wastewater Treatment

Start date: 01/10/2015

End date: 31/03/2019

Coordinator: Universitat Autònoma de Barcelona (Spain) + **3 partners** (Spain, Belgium)

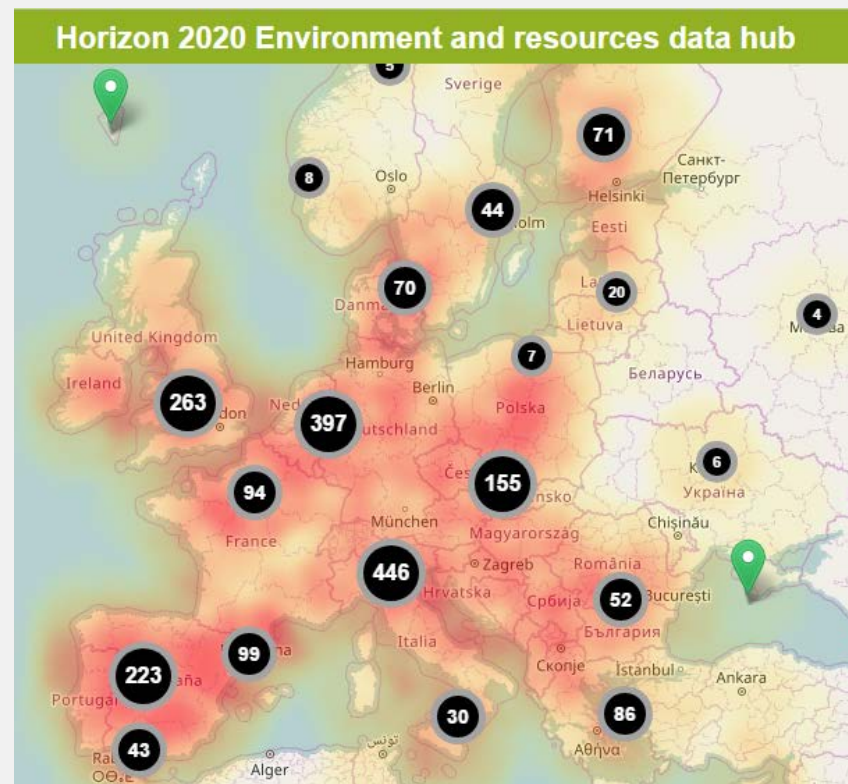
EU Funding: 672,645 €



H2020 Data Hub

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

<https://sc5.easme-web.eu/#>



LIFE Database

<http://ec.europa.eu/environment/life/project/Projects/index.cfm>

Content

1. EASME's history and role
2. R&I activities within EASME programmes
 - H2020
 - LIFE
- 3. The way forward**

Calls new proposals for 2018-2020

- Info day on 8 and 9 November 2017 in Brussels
- The event provide insights on Horizon 2020 Societal Challenge 5
 - ✓ Climate Action
 - ✓ Environment
 - ✓ Resource Efficiency
 - ✓ Raw Materials
- Web-streaming available



<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>



EASME

Executive Agency for Small and Medium-sized Enterprises

THANK YOU FOR YOUR ATTENTION

Stefania Rocca
Project Adviser, H2020 Eco-innovation
stefania.rocca@ec.europa.eu

EASME on Twitter



@H2020EE • @H2020SME • @EEN_EU • @EU_ECOINNO

Executive
Agency for
SMEs