



Conferences & debates

# Collaborations between cities around Circular Economy



#beCircular



# WORKSHOP – Collaboration

*Floor 1 - Room: Terra*

Realization of collaborations between cities and regions around the circular economy. Workshop to connect stakeholders from European cities and regions in order to identify concrete avenues of collaboration.



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Europe Network, ACR+



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Conferences & debates

# Establishing cooperation between cities and regions around the Circular Economy



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Senior expert Circular  
Europe Network, ACR+

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# Discover ACR+

 **20+**  
years of  
experience

 **87**  
members

in **23**  
countries 

**ACR+**

*Association of cities and regions  
for sustainable resource management*

Some members:



 **+1,100**  
municipalities  
represented

**+ Join us!** **ACR+**

# Why cooperate?



# Why cooperate?

## URBACT

helps cities to develop pragmatic solutions that are new and sustainable and that integrate economic, social and environmental urban topics.

*We enable CITIES to work together to develop solutions to major urban challenges, reaffirming the key role they play in facing increasingly complex societal changes.*

## What is Interreg Europe?

Interreg Europe helps regional and local governments across Europe to develop and deliver better policy. By creating an environment and opportunities for sharing solutions, we aim to ensure that government investment, innovation and implementation efforts all lead to integrated and sustainable impact for people and place.

# Why cooperate?

- Learning from one another's experiences,
- Sharing ideas and experience,
- Identifying good practices,
- Drawing lessons

to improve strategies for the citizens, communities, environment.

# Why cooperate?

X Creez on site Wix

## ANTIHEROES ACADEMY

DECOUPLING YOUR EGO FROM YOUR  
IDEAS

VALUING EFFORT AS MUCH AS RESULT

UNDERSTANDING MISTAKES  
OF YOUR OWN  
OF OTHERS

ADMITTING DEFEAT

FEELING COMFORTABLE WITH  
IMPERFECTION

MEASURING SUCCESS BY  
UNCONVENTIONAL STANDARDS

ASKING FOR HELP

NOT JUDGING FAILURE

**antiheroes**

= THINGS YOU PROBABLY DIDN'T LEARN IN SCHOOL



# How cooperate?

- Speak at conference of others cities
- Participate at a site visit in others cities
- Create an informal networks (remote meetings)
- Sign a twinning with another cities
- Participate at European Projects



# How cooperate?

- Contact the National Contact Points (NCPs)  
(that provide information, specialist advice and individual assistance to potential participants in EU funding)

## HORIZON 2020 IN BRIEF

Discover the features of the **Horizon 2020**  
funding programme for **2014-2020**

[View items...](#)

## SME INSTRUMENT AND SPECIFIC FUNDING MECHANISMS

Discover the new funding mechanisms  
introduced by Horizon 2020

[View items...](#)

# How cooperate?

- Contact your SPOC at Brussels Environment of a thematic network or become a member of it
  - ACR+ (Sustainable Management of resources)
  - Energy-Cities
  - ESDN (Sustainable Development)
  - Eurocities (Forum Environnement)
  - Fedenatur (Urban Natural Areas)
  - Green Capital Network
  - ICLEI (Local Governments for Sustainability)
  - Assembly of European Regions (Bxl Int.)
  - Federation of Regional Growth Actors (Bxl Int.)

# How cooperate?

- Contact your SPOC at Brussels Environment of a thematic network or become a member of it
  - ACR+ (Sustainable Management of resources)



# How cooperate?

- Contact your SPOC at Brussels Environment of a thematic network or become a member of it
  - Energy-Cities





# How cooperate?

- Contact your SPOC at Brussels Environment of a thematic network or become a member of it
  - Eurocities (Forum Environnement)



Covenant of Mayors  
for Climate & Energy



# How cooperate?

- Contact Brussels International for twinning of cities

- 
- |                        |                      |
|------------------------|----------------------|
| ■ Berlin               | ■ Wilaya of Algiers  |
| ■ Bratislava           | ■ Rabat-Salé-Kénitra |
| ■ Budapest             | ■ Habana             |
| ■ Kiev                 | ■ Brazil             |
| ■ Lille                | ■ Quebec             |
| ■ Ljubljana            | ■ Washington         |
| ■ Moscow               | ■ Beijing            |
| ■ Prague               | ■ Sichuan            |
| ■ Region Île-de-France | ■ Xi'an              |
| ■ Sofia                | ■ Tokyo              |
| ■ ViennaVilnius        | ■ Aichi              |
| ■ Voïvodie de          | ■ Séoul              |
| ■ Mazovie              |                      |
-

# How cooperate?

- Contact dedicated consultants

## European grant applications

[Horizon 2020](#)

[Life](#)

[Cost](#)

[ESF](#)

[EGF](#)

[ERDF](#)

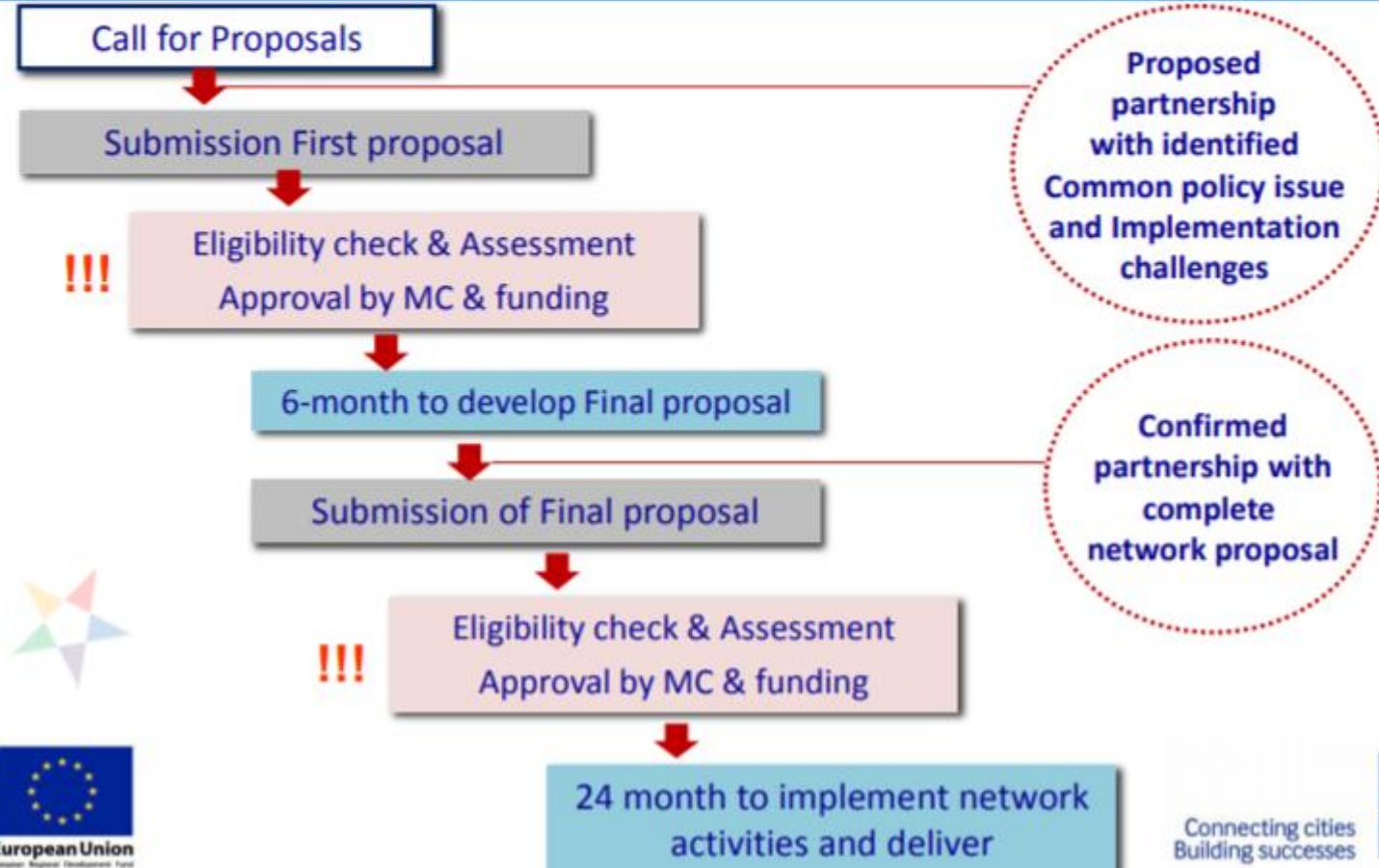
[Erasmus+](#)

[EuroStars](#)

From proposal writing to the management and coordination of consortia

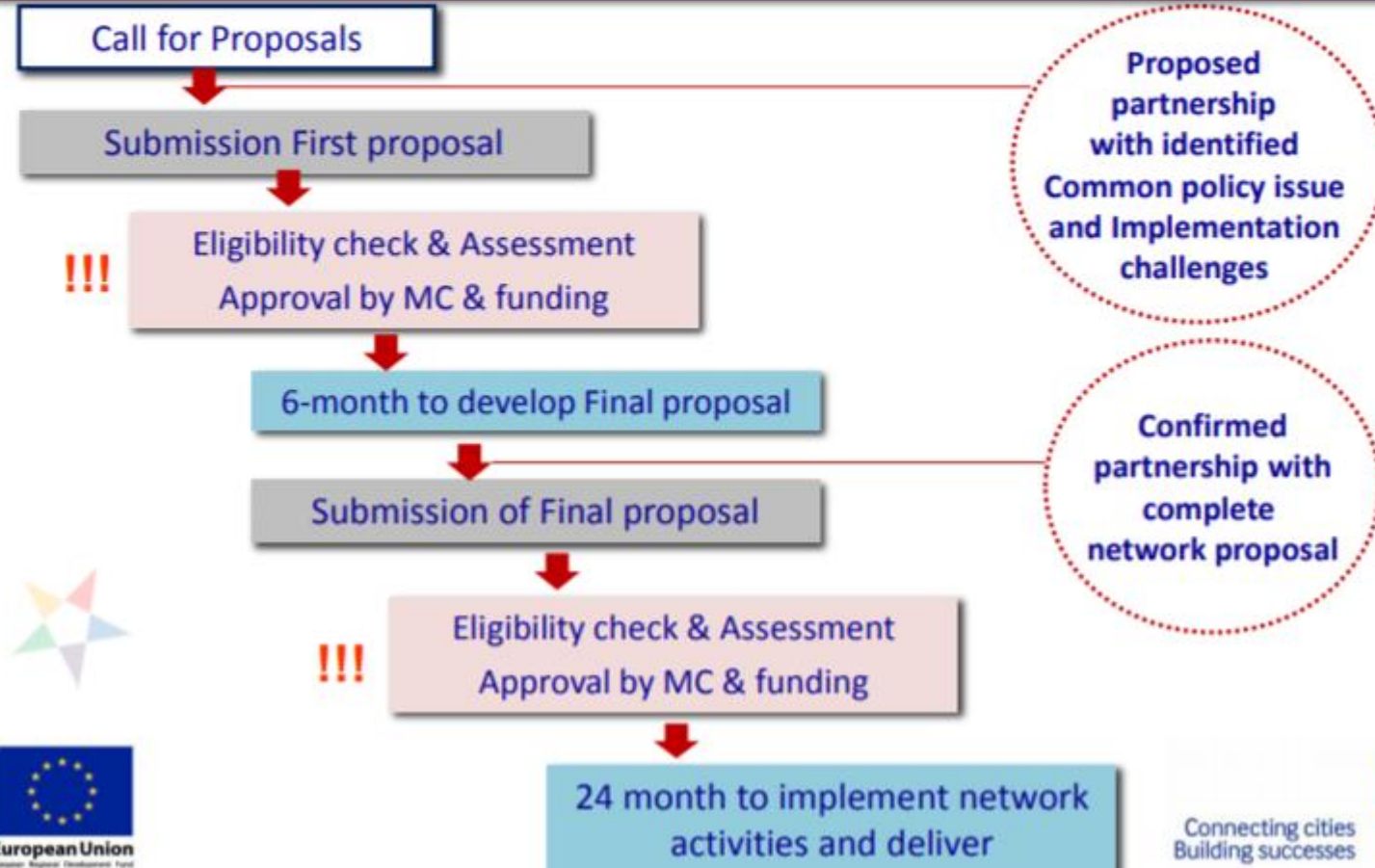
# Lifecycle of a project - illustration

## Procedure *A two-stage process*



# Lifecycle of a project - illustration

- Get an idea
- Identify the right calls for proposals
- Preparation of the bid
- Find partners
- Write the proposal





## 8 March 2016

### ONE-STAGE CALLS FOR PROPOSALS

### TWO-STAGE CALLS FOR PROPOSALS

Proposals are evaluated by independent experts.

March - April 2016

March - April 2016

Draft proposals are remotely reviewed by independent experts

Applicants are informed whether or not their proposal has been successful. Grant agreements are being prepared.

June 2016

May 2016

Applicants whose draft proposal has been pre-selected are invited to submit a full proposal.

**6 Sep 2016**

Deadline for submitting a full proposal for second stage.

September - October 2016

Proposals are evaluated by independent experts.

Grant agreements for projects are signed.

November 2016

Projects start

December 2016

February 2017

Applicants are informed whether or not their proposal has been successful. Grant agreements are being prepared.

May 2017

Grant agreements for projects are signed.

June 2017

Projects start.

# Lifecycle of a project - illustration

## One-stage calls for proposals

Deadline for submitting proposals.

Proposals are evaluated by independent experts.

Applicants are informed whether or not their proposal has been successful.  
Grant agreements are being prepared.

Grant agreements for projects are signed.

Projects start.

## Two-stage calls for proposals

Deadline for submitting draft proposals.

Draft proposals are reviewed by independent experts.

Applicants whose draft proposal has been pre-selected are invited to submit a full proposal.

Deadline for submitting a full proposal.

Proposals are evaluated by independent experts.

Applicants are informed whether or not their proposal has been successful.  
Grant agreements are being prepared.

Grant agreements for projects are signed.

Projects start.

# If my proposal is rejected?



If my proposal is rejected?



# Thank you!

[www.acrplus.org](http://www.acrplus.org)

[www.circular-europe-network.eu](http://www.circular-europe-network.eu)



@ACRplus

Contact: [mc@acrplus.org](mailto:mc@acrplus.org)

Marion Courtois, ACR+





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# Circular Economy EU Research and Innovation funding opportunities



**Panagiotis BALABANIS**,  
Deputy Head of Unit, DG  
Research and Innovation,  
European Commission

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# What problem are we facing?

- Global pressures on natural resources, rising costs, EU's dependency on imports, and environmental impacts
- The 20th century's economy model, based on plentiful and cheap resources and built on the principles of “take, make, waste”, is unsustainable

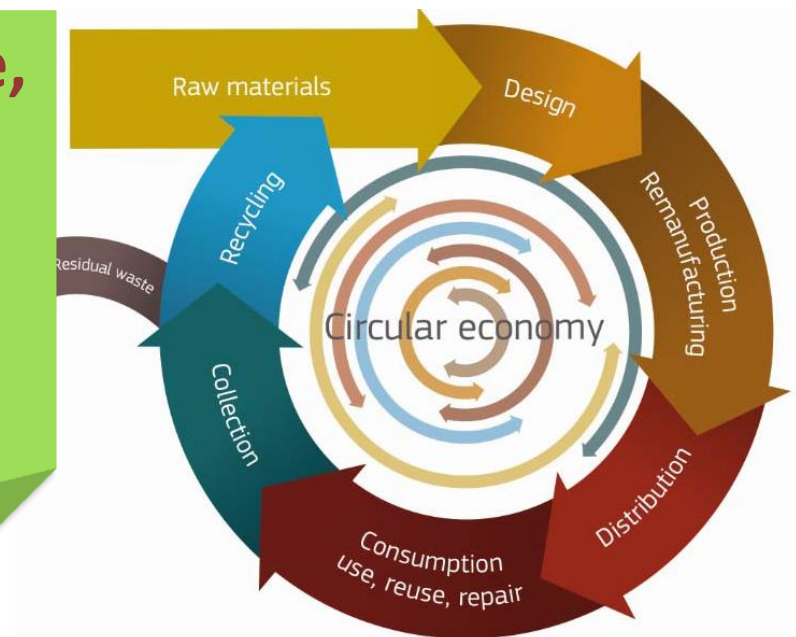
# Circular Economy Package

- Adopted by the Commission on 2 December 2015
- Action Plan Communication & Lists of follow-up initiatives
- 4 legislative proposals on waste
- Key action areas: Production, Consumption, Waste Management, Market for Secondary Raw Materials, Innovation, Investment and Monitoring
- 5 priority sectors: Plastics, Biomass & Biobased Products, Food Waste, Critical Raw Materials, Construction & Demolition

# Circular Economy

**Circular Economy** is about **Change**,  
and about **Innovation**

requires **RTD&I** investments,  
**multi-stakeholder** involvement  
and an **enabling framework**



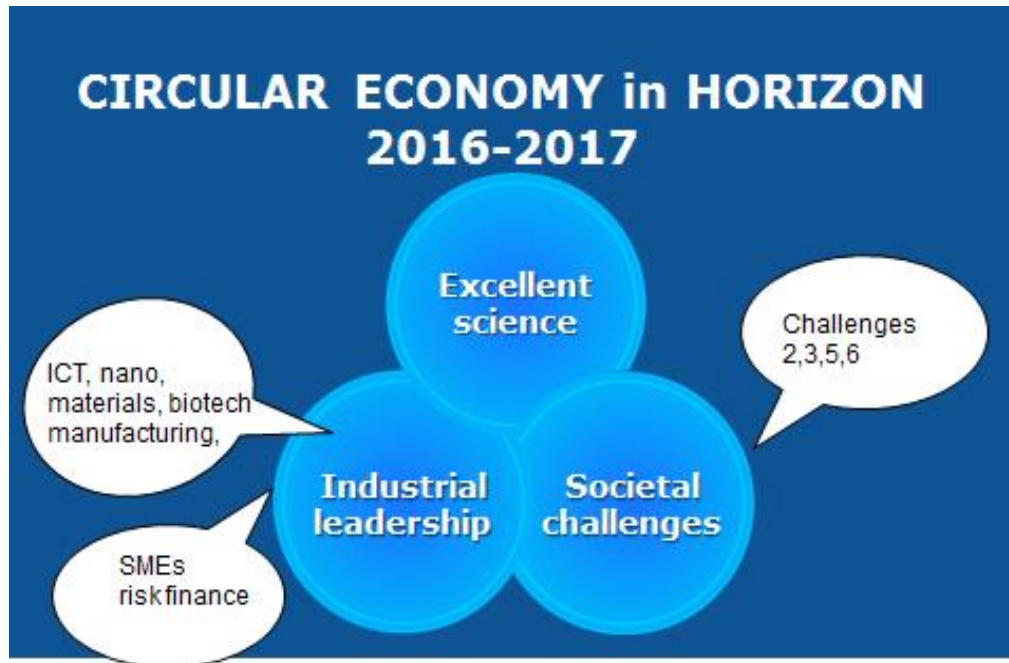
# Research and Innovation role in the Circular Economy

## Create the right environment for innovation and investments

- DEMONSTRATING the opportunities for moving towards a circular economy (Horizon 2020, but also LIFE and European structural and investment funds)
- REGULATORY INNOVATION: addressing regulatory barriers to circular economy activities or business models, through the implementation of Innovation Deals
- FINANCIAL INNOVATION: Assessment of the possibility of launching a platform together with the EIB and national banks to support the financing of the circular economy and supporting FINANCING TOOLS and ADVISORY SERVICES through InnovFin (business models)



# Addressing Circular Economy in Horizon 2020



## FOCUS AREA

**'Industry 2020  
in the Circular Economy'**

**Cross-cutting call with an  
overall budget of 650 M€**

# Horizon 2020

## Societal Challenge "Climate action, Environment, Resource Efficiency and Raw Materials"

Cross-cutting call 'Industry 2020 in the Circular Economy':

- Systemic, eco-innovative approaches for the circular economy: large-scale demonstration projects (IA)
- Water in the context of the circular economy (IA)
- Smart Specialisation for systemic eco-innovation/circular economy (CSA)
- New models and economic incentives for circular economy business (RIA)

# Circular Economy

## Examples of current ongoing H2020 projects

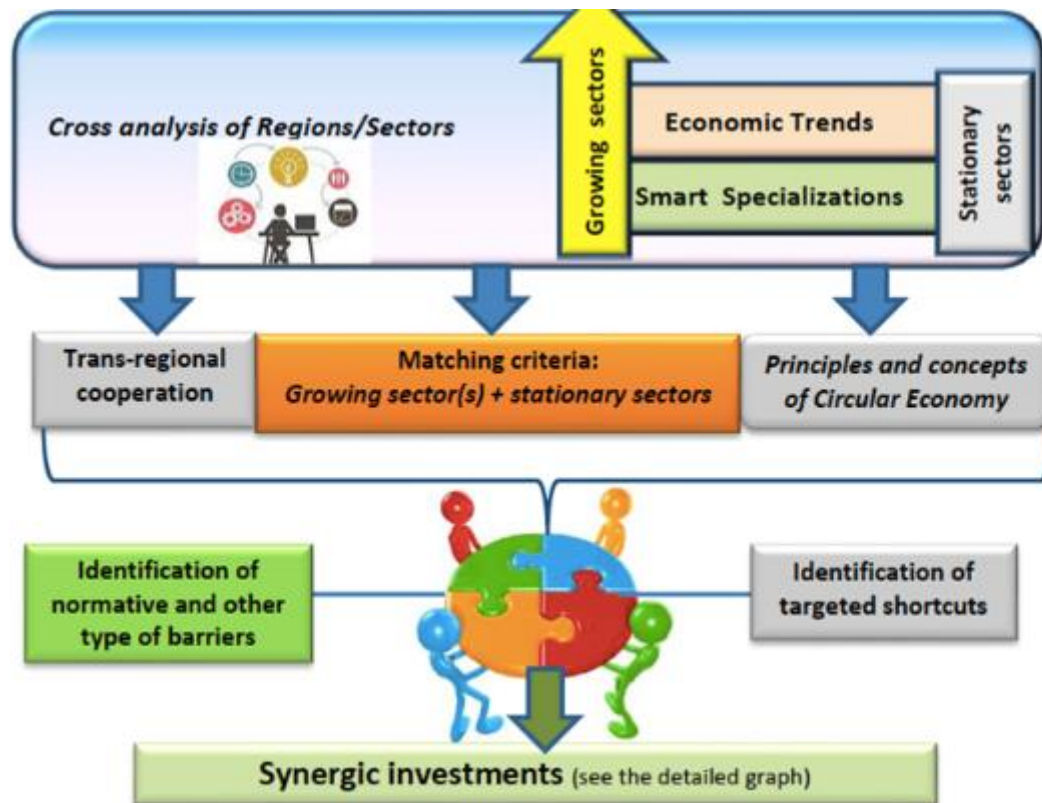
- **FORCE** - Cities Cooperating for Circular Economy- <http://www.ce-force.eu/>
- **Waste4Think** - Moving towards Life Cycle Thinking by integrating Advanced Waste Management Systems - <http://waste4think.eu/>
- **DECISIVE** - A DECentralized management Scheme for Innovative Valorization of urban biowaste - <http://www.decisive2020.eu/>
- **URBANREC** - New approaches for the valorisation of URBAN bulky waste into high added value RECycled products - <http://www.urbanrec-project.eu/>
- **SCREEN** - Synergic Circular Economy across European Regions - <http://www.screen-lab.eu>
- **Urban\_Wins** - Urban metabolism accounts for building Waste management Innovative Networks and Strategies - <https://www.urbanwins.eu/the-project/>
- **REPAiR** - REsource Management in Peri-urban AREas: Going Beyond Urban Metabolism - <http://h2020repair.eu/repair/>
- **UrBAN-WASTE** - Urban strategies for Waste Management in Tourist Cities - <http://www.urban-waste.eu/>

# FORCE - Cities Cooperating for Circular Economy



- The FORCE project aims to minimise the leakage of materials from the linear economy and work towards a circular economy.
- The four cities involved in the project, Copenhagen, Hamburg, Lisbon and Genoa, will engage enterprises, citizens and academia in 16 participatory value chain based partnerships to create and develop eco-innovative solutions.
- Each city will establish a lead partnership for one of the four materials: plastic waste, strategic metals from electronic and electric equipment, surplus food and biowaste, and wood waste. Each city will also establish three local partnerships for the other materials.

# SCREEN - Synergic Circular Economy across European Regions



- 18 partners representing 17 regions belonging to 12 European Countries (IT, SP, PT, BE, FR, GR, NL, PL, FI, CR, RO UK)

# Call "Greening the economy in line with the Sustainable Development Goals (SDGs)"

## Connecting economic and environmental gains - the circular economy

- **CE-SC5-01-2018: Methods to remove hazardous substances and contaminants from secondary raw materials (RIA)**
- **CE-SC5-02-2018: Independent testing programme on premature obsolescence (RIA)**
- **CE-SC5-03-2018: Demonstrating systemic urban development for circular and regenerative cities (IA)**
- **CE-SC5-04-2019: Building a water-smart economy and society (IA)**
  - a) Symbiosis between industry and water utilities
  - b) Large scale applications with multiple water users at various relevant scales
- **CE-SC5-05-2018: Coordinated approaches to funding and promotion of research and innovation for the circular economy (CSA)**





# Innovation Deals

European  
Commission

## INNOVATION DEALS

Collaborate to overcome  
barriers to innovation

### Challenge / issue

Regulatory uncertainty can hinder innovation

?

### Innovation Deals (IDs)

A fast, pragmatic and transparent  
approach to help innovators to:

- overcome legislative barriers
- make use of EU law appropriately
- create regulatory certainty

!

# Innovation Deals (IDs)

## 2 successful Innovation Deals

1. ***Sustainable wastewater treatment combining anaerobic membrane technology and water reuse:***

Paradigm shift from the urban waste water conventional treatment into a water resource facility

2. ***From E-Mobility to recycling: The virtuous loop of electric vehicle:***

Reuse of batteries from electric cars for stationary energy storage systems.

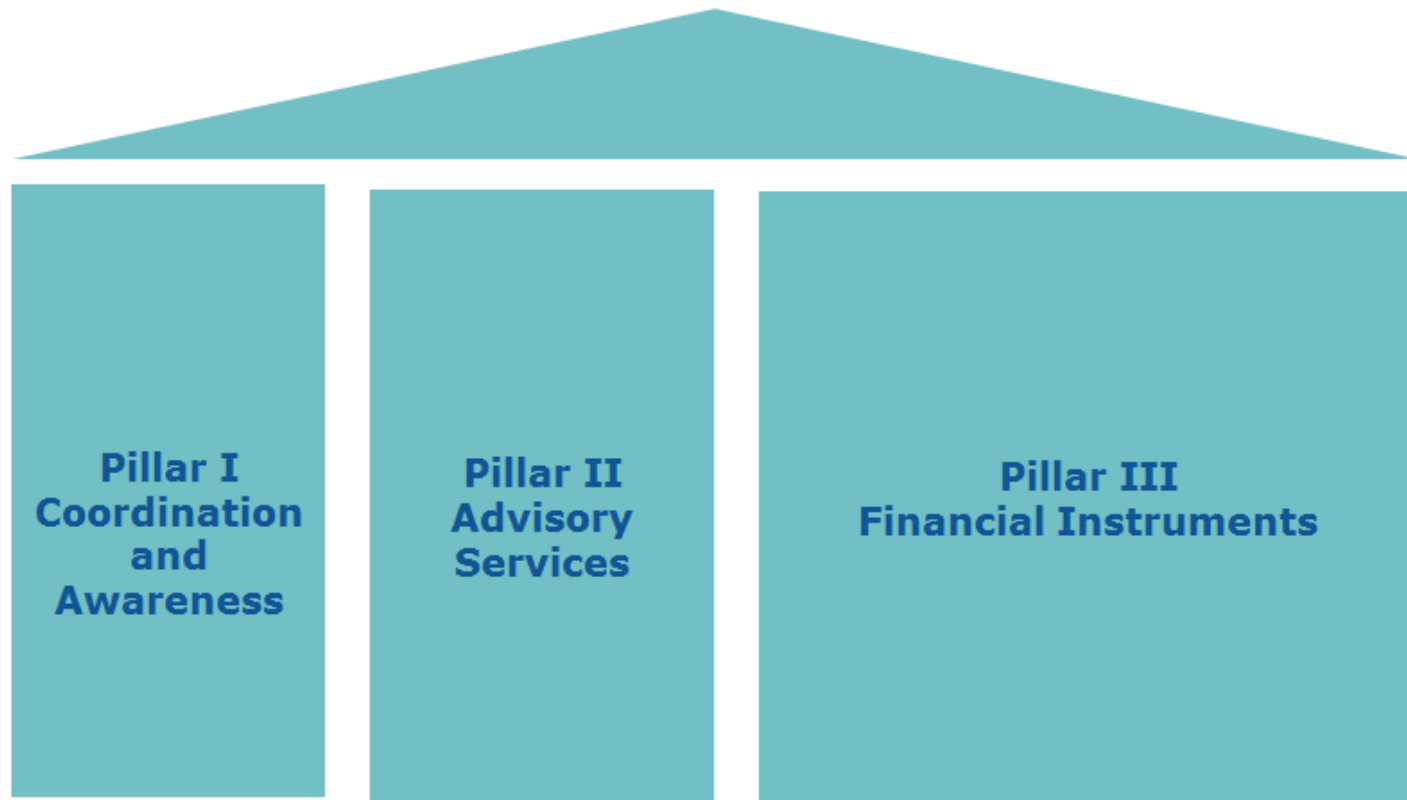


# Sustainable wastewater treatment combining anaerobic membrane technology and water reuse



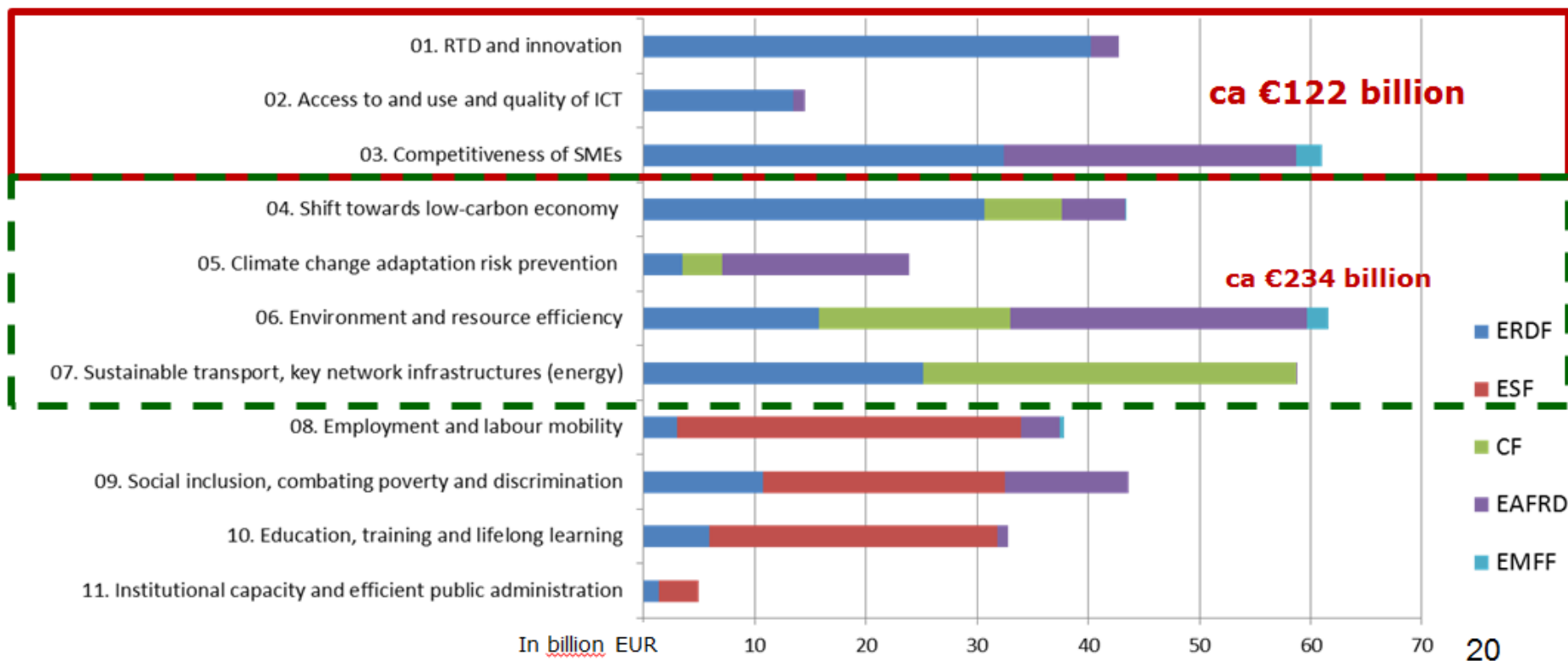
*The first  
Innovation  
Deal was  
signed on  
07 April  
2017*

# CE Finance Support platform



# European Structural Investment Funds 2014-20

- **EUR 454 billion of ESIF + EUR 183 billion of national co-financing**
- **456 national/regional OPs and 79 INTERREG cooperation programmes**
- **Concentration on 11 Thematic Objectives**
- **Ex ante conditionalities: for waste / for 'smart specialisation' in R&I**



Source: Final ESIF partnership agreements as of December 2015

All open data available at: <https://cohesiondata.ec.europa.eu/>





# Cohesion Policy

supports

SMEs



*E.g. promoting  
resource efficiency*  
EUR 33.2 billion

LOW-CARBON  
ECONOMY



*E.g. stimulating  
energy efficiency*  
EUR 39.7 billion



ENVIRONMENT &  
RESOURCE EFFICIENCY



*E.g. boosting green growth*  
EUR 35 billion

WASTE MANAGEMENT  
EUR 5.5 billion



RESEARCH &  
INNOVATION

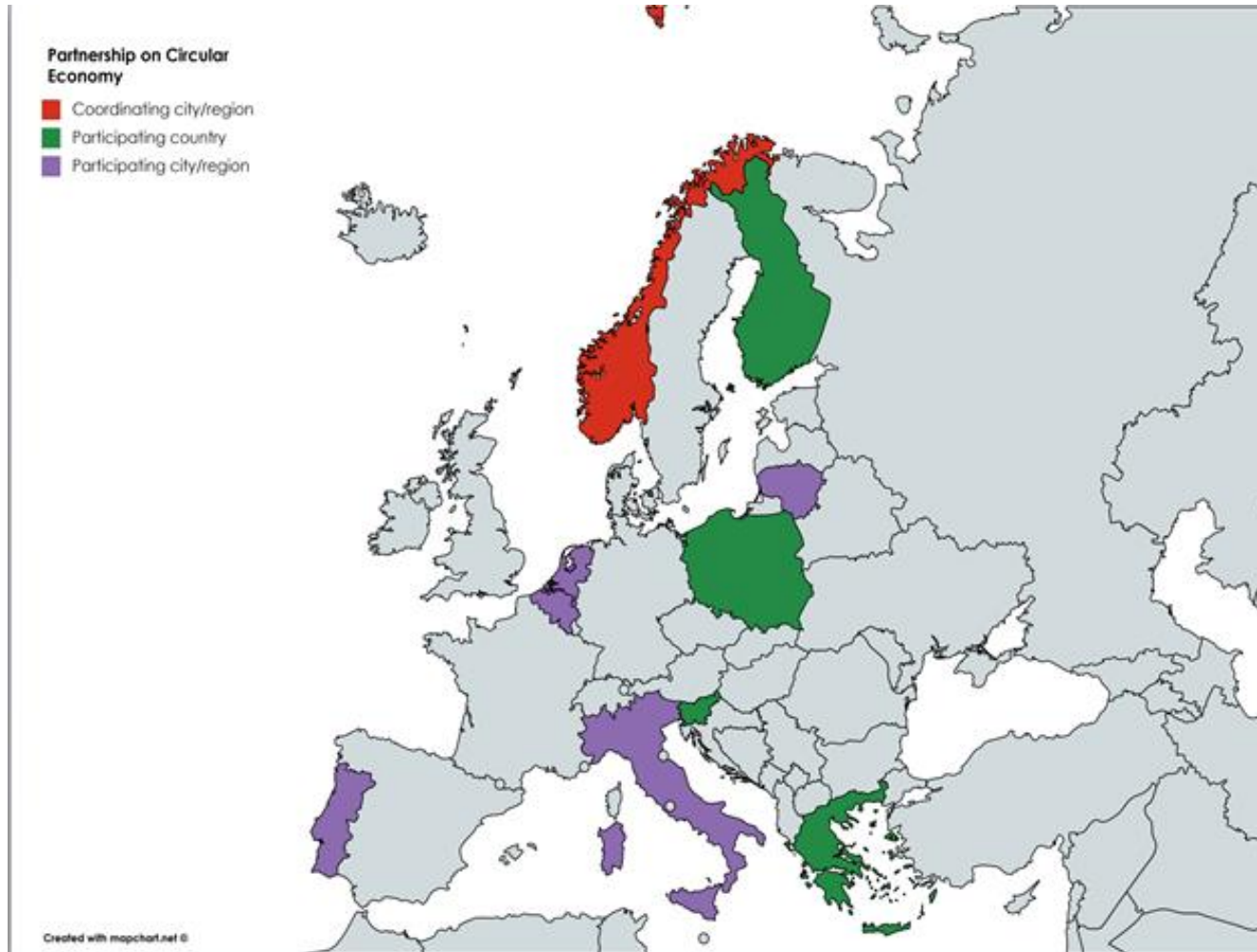
*E.g. developing innovative approaches*  
EUR 41.1 billion

# Circular Economy

Ex-ante conditionality: having a strategy for waste investments  
in line with waste hierarchy



# Urban Agenda for EU Partnership Circular Economy





## LIFE – contribution to CE

- LIFE as **one-stop-shop** for businesses from innovation, demonstration, upscaling up to commercialisation
- Special emphasis on **environmental and/or climate impact -> LIFE promotes take-up of circular economy business models**
- LIFE supports Circular Economy related projects **since 1992** e.g. with **over 700 waste reduction, recycling, re-use projects totalling over €1 billion of overall investment ...**
- ... under the **new LIFE Programme 2014-2020, circa €100 million so far invested into over 80 projects**
- Inputs from **projects' activities to feed back into monitoring of CE Action plan implementation** to highlight bottlenecks and opportunities.

# Networked/Joint Demonstration: de-risking business investments

European  
Commission

*Smart Specialisation as method for positioning, aligning & integrating investment efforts*

## Investment Project Pipeline

HORIZON 2020

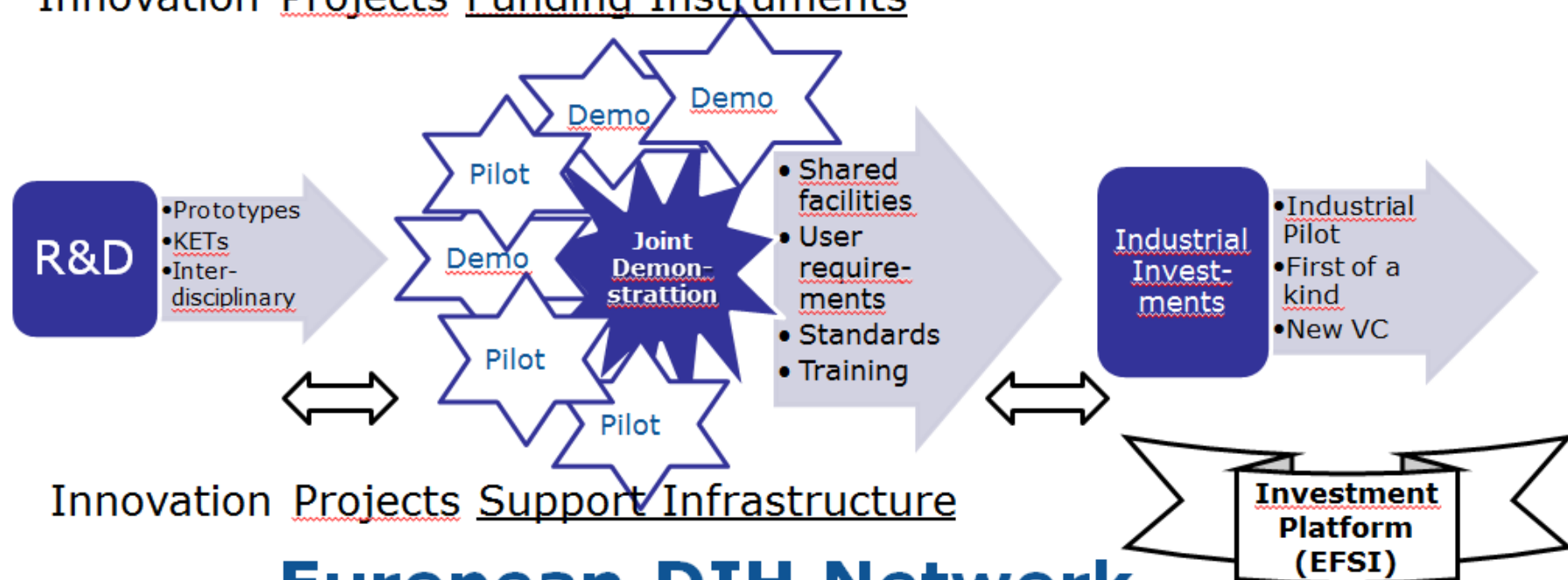
ESIF-RIS3

COSME

INTERREG

EFSI-EIB

Innovation Projects Funding Instruments



# Thank you for your attention!

Find out more:

[www.ec.europa/research/horizon2020](http://www.ec.europa/research/horizon2020)

# Time to debate !

**30 participants**

**3 sub-groups**

**3 questions**

**3 rounds of brainstorming**

**50 to 60 minutes**



**World café**

**1<sup>st</sup> round (15 min)**

**2<sup>nd</sup> round (15 min)**

**3<sup>rd</sup> round (15 min)**

**Conclusions (10 min)**

# Topics for discussion

Topic 1: What do you expect of cooperation between cities and regions (and in general with others stakeholders)?

Topic 2: What are the main difficulties to be involved in a EU project ? How to overcome these difficulties ? Are the current structures and helpdesks offering enough support ?

Topic 3: Which particular projects could be developed ?





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# Conclusions



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