

# International Networking Event 23 October 2020



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TURKEY in  
**HORIZON 2020**  
COOPERATION. INNOVATION. COMPETITIVENESS



**H2020 Green Deal Call**  
International Networking Event

Technical Assistance for Turkey in Horizon 2020 Phase-II  
EuropeAid/139098/IH/SER/TR

## Call area 3: Industry for a clean and circular economy

### 3.2: Demonstration of systemic solutions for the territorial deployment of the circular economy

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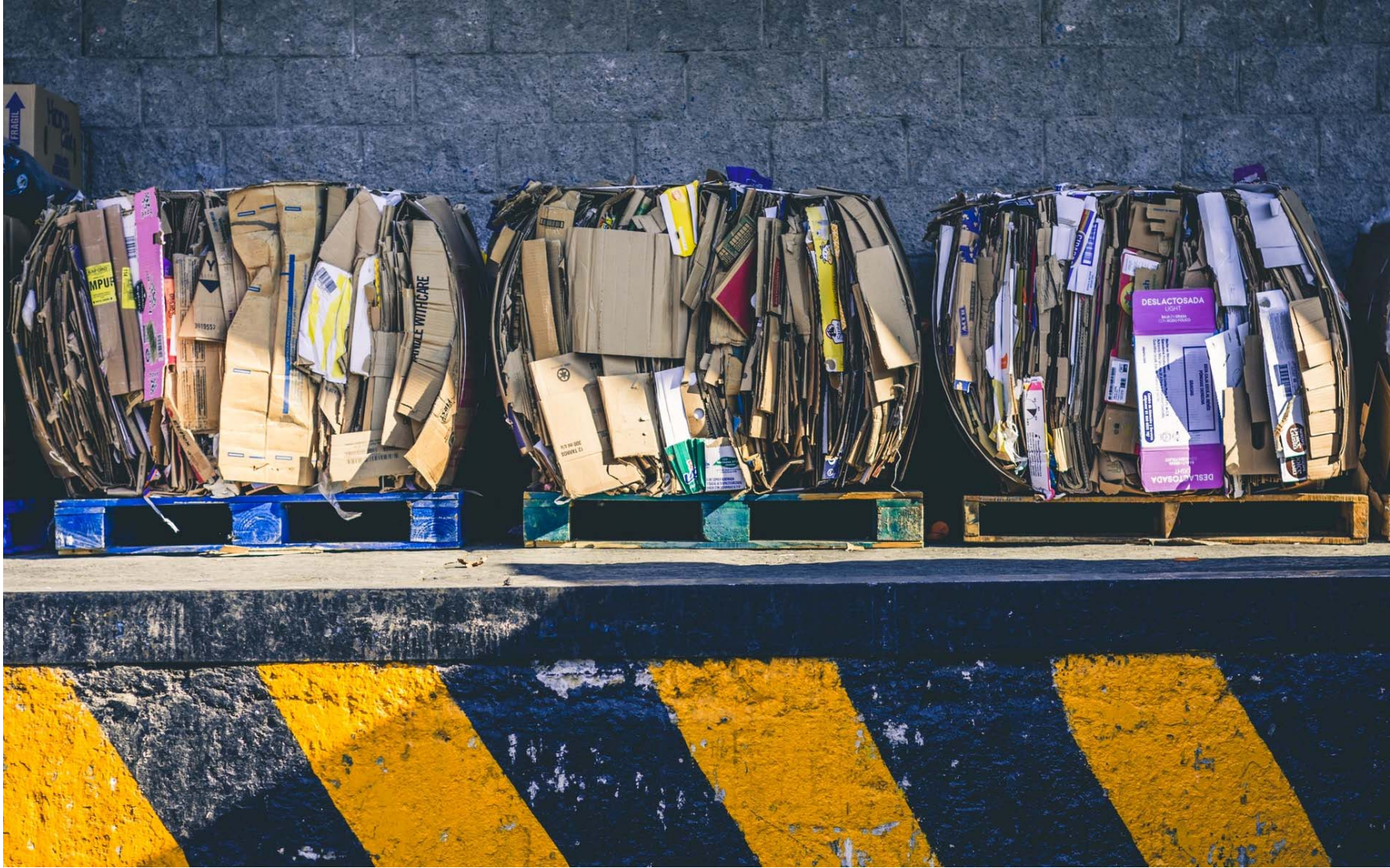
*Turkey in Horizon2020 Project  
International Development Ireland*



REPUBLIC OF TURKEY  
MINISTRY OF INDUSTRY  
AND TECHNOLOGY



# LC-GD-3-2-2020 : Demonstration of systemic solutions for the territorial deployment of the circular economy (Innovation Action)



REPUBLIC OF TURKEY  
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## Achiving a climate neutral and circular economy by 2050.

- [The European Green Deal, EC COM \(2019\) 640 final](#)

*„Mobilising industry for a clean and circular economy. The EU’s industry still accounts for 20% of the EU’s greenhouse gas emissions. Only 12% of the materials it uses come from recycling.”*

- [A new Industrial Strategy for Europe, EC COM \(2020\) final](#)

*„Building a more circular economy. Applying CE principles in all sectors and industries has potential to create 700,000 new jobs by 2030”*

- [A new Circular Economy Action Plan, EC COM\(2020\) 98 final](#)

*Puts forward a series of measures to allow the EU’s industry to seize all opportunities and empower consumers to play a more active role in the CE. Key product value chains.*

- [Updated European Bioeconomy Strategy COM\(2018\) 763 final](#)

*A sustainable bioeconomy is the renewable segment of the CE. Strategy sets actions ensuring the sustainability of renewable bio-based materials, including pilot actions.*

# BACKGROUND MATERIALS

- [H2020 & BBI JU demonstration projects](#)

*Projects on circular economy and circular bio-based economy with local and regional components.*

- [Circular bio-based cities: sustainable production of bio-based products from urban biowaste and wastewater](#)

*Projects provide Project Development Assistance (PDA) to a pilot group to build their technical, economic and legal expertise needed for leading to concrete investments in projects to valorise urban biowaste and wastewater.*

- [Study on regulatory obstacles and drivers](#)

*This report presents a preliminary analysis of the EU regulatory obstacles and drivers influencing the production of biobased products from urban biowaste and wastewater.*

- [Project development assistance \(PDA\)](#)

*Facilities to support ambitious public authorities - regions, cities, municipalities or groupings of those - and public bodies in developing bankable sustainable energy projects.*

- [Circular Cities Funding Guide](#)

*The Circular City Funding Guide supports municipalities, businesses, and other urban actors in creating circular cities. The main focus is to provide information on financing and funding sources that are available for circular initiatives and projects, and provide guidelines for setting up funding programmes*



# LC-GD-3-2-2020: Specific Challenges (1)

- How to effectively apply the circular economy concept **beyond traditional resource recovery** in waste and water sectors **at the territorial level**;
- **Contribution to local and regional economies:**
  - have suitable scale for closing **resource loops**
  - creating sustainable **circular ecosystem**
  - designing participatory **community-based innovation schemes**;
- **The demonstration** of territorial systemic solutions **in one territory and their replication** in other areas of Europe



## LC-GD-3-2-2020: Specific Challenges (2)

- Demonstrate contribution to achieving **policy targets**;
- Attention should be paid to **potential challenges of the transition towards circular economy**;
- Contribution to **sustainable, regenerative, inclusive and just** circular economy;
- Significant **engagement** in testing and improving from cities, regions, industries and businesses;



## LC-GD-3-2-2020: Scope (1)

- Each proposal is expected to **implement** and **demonstrate circular ‘systemic solutions’** for the territorial deployment of the circular economy (including the circular bio-economy) in one **‘circular territorial cluster’**.
- A **circular territorial cluster** (‘cluster’) is a socio-economic and environmental system composed of all relevant actors and dimensions to implement, demonstrate and facilitate the replication of at least one circular ‘systemic solution’.
- Each cluster should include a **geographically cohesive territory**. The dimension and composition of a cluster should be defined and justified.
- Ideally cluster should have a **Circular Economy Action Plan**.



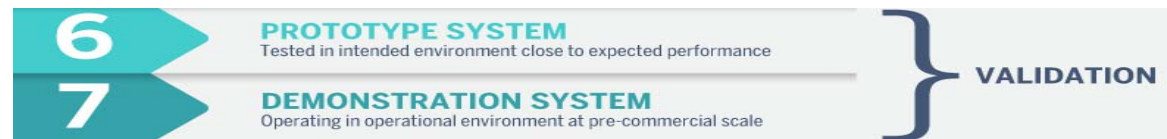
- A **systemic solution** is a cross-sectoral demonstration project for the territorial deployment of a circular and climate-neutral economy. It should address economic, social and environmental dimensions and include science, technology and governance components.
- Systemic solutions implemented should also help to create **critical mass for public and private investments** and public procurement pull for new solutions, and should contribute to overcoming market failures.
- Systemic solutions implemented and their business models have a **high replicability and scalability potential**.



# LC-GD-3-2-2020: Budget

| Total Budget | Budget per project |
|--------------|--------------------|
| 60 mEUR      | 10-20 mEUR         |

- TRL of each circular solution should be within 6-7 range at the end of the project.



- **Decoupling** of economic and human activities from the consumption of finite resources and GHG emissions, ensuring the transition towards circular and climate-neutral economy;
- Improved **sustainability** and **circularity** of clusters' economic sectors, natural ecosystems, management and valorisation of local resources;
- Emergence of circular **business opportunities** and a structured **pipeline of investment projects**;
- Increased circular and climate-neutral practices among **citizens** and their **participation** in systemic solutions;
- Creation of **jobs** in the short to medium term;



- More effective development of circular solutions through **knowledge** transfer between the territorial clusters funded under this topic and other territories across EU member states and associated countries;
- More effective widespread uptake and easier **replication**, **scalability** and **visibility** of circular systemic solutions and hence **multiplication** of the economic, social and environmental **benefits** to achieve the policy targets at local, regional, national, European and international levels.



# LC-GD-3-2-2020: CCRI Demonstration projects

- Proposals funded under this topic, and their circular systemic solutions, will form part of the demonstration projects for the implementation of the European Commission's Circular Cities and Regions Initiative (CCRI):
  - proposals must achieve deep **cooperation between them** by means of specific activities which must be included in one of their work-packages
  - proposals must cooperate with **CCRI** by means of sharing with this initiative **knowledge** and **experiences** developed during the implementation and demonstration of the circular systemic solutions
  - proposals are expected to participate to the **CCRI's events**.
- Aim of CCRI is to support the **implementation** of circular economy solutions at local and regional scale

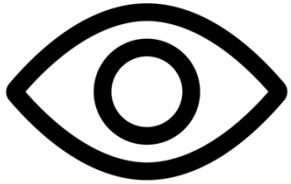


# GREEN DEAL HORIZON 2020 CALL

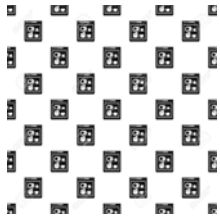
- It aims to:



produce tangible results



visible to the citizens



multiply benefits



in a relatively short time frame



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