



# CARE4WASTE

Caribbean-European Union Research Alliance for  
Better Waste Management

## Introducing the Project

# AGENDA



1. The team      Who are we?
2. The challenge      Why CARE4WASTE?
3. The goals      What are our objectives?
4. The activities      Which are our key action lines?
5. The results      Which are the expected deliverables?

# 1. TEAM



## Who are we?

- The Fraunhofer Society is Europe's biggest society for applied research
- In this project Fraunhofer is represented by the Fraunhofer Institute for Chemical Technology (ICT) and the Fraunhofer Centre for International Management and Knowledge Economy (IMW)



# 1. TEAM



## Who are we?

- The Institute for Ecology of Industrial Areas (IETU) is a research and development unit acting under the Polish Ministry of Environment
- The goal of the scientific and research activities of the Institute is to develop the scientific basis for policies and strategies aimed at sustainable development of the environment of urbanised and industrialised areas



# 1. TEAM



## Who are we?

- The Universidad de San Carlos de Guatemala is the biggest and oldest university of Guatemala
- A multidisciplinary team of researchers from the Faculty of Engineering is part of the project consortium



# 1. TEAM



## Who are we?

- The Universidad Federico Henríquez y Carvajal, UFHEC is a higher education institution from the Dominican Republic
- Spread over four communities the UFHEC engages in a broad range of academic disciplines following a holistic approach



# 1. TEAM



## Who are we?

- The project is funded by the European Union's 7th Framework Programme as part of the ERANet-LAC
- ERANet-LAC is a network of the European Union (EU) and the Community of Latin American and Caribbean States (CELAC) on joint innovation and research activities



# 2. CHALLENGE



## Why CARE4Waste?

- Latin America belongs to the **most urbanized regions** in the world- approximately 80 % of the population lives in urban areas.
- **In 2010 approximately 436,000 tons of municipal solid waste was generated** in the LAC, which means an average of approx. 0.93 kg municipal solid waste per inhabitant per day.
- The **proportion of waste** brought to landfills has **increased** markedly from 22.6 % in 2002 to 54.4 % in 2010



# 2. CHALLENGE



## Why CARE4Waste?

- However, still a **large number of residues are disposed of in inappropriate places or open dumps.**
- Many problems are related to this situation such as **environmental pollution, socio-economic issues** ( e.g informal sector of waste pickers) and **wasted value of resources** such as metals or plastics.



*Waste picker on open land fill*

# 2. CHALLENGE



## Why CARE4Waste?

- Therefore, the concept of the **CARE4WASTE** project approaches the topic of waste management, recycling and urban mining as a set of challenges that bear a high potential for **improving the wellbeing** of the people in the LAC region
- This should be achieved by **creating a healthier environment, better management of resources combined and improved economic opportunities.**

# 3. GOALS



## What are our objectives?

- **Identify** the **bottlenecks** in waste management policies and practices
- **Initiate** of broad stakeholder **dialogue** to address the bottlenecks,
- **Promote** LAC-LAC and EU-LAC **knowledge transfer** to foster solutions
- Develop a solid basis for **awareness rising** and skills development
- Unleash the **innovation and business potential** linked to circular economy

# 4. ACTIVITIES



## Which are our **key lines of action**

- Promoting the stakeholder dialogue in LAC waste management
- Conduct LAC-LAC and EU-LAC knowledge transfer
- Find business models for entrepreneurs and companies in circular economy

# 4. ACTIVITIES



## Action line 1: Stakeholder dialogue in LAC waste management

- Mapping the most important public and private important actors in waste management and organize data in an online data base
- Collect data on quantity and composition of national waste streams
- Organize workshops to gather information on bottlenecks in waste management and discuss potential solutions

# 4. ACTIVITIES



## Action line 2: Knowledge transfer

- Producing 1000 posters to be spread in public buildings with consumer guidelines for raising awareness for waste as a valuable resource
- Conduct training sessions for decision makers in the public and private sector
- Organize waste management study tour for LAC experts to Central Europe

# 4. ACTIVITIES



## Action line 3: Business models in circular economy

- Report development: Strategies for promoting entrepreneurship in the circular economy based on Scenario and SWOT analysis
- Business models: Establish a business plan competition

# 4. ACTIVITIES



## Action line 4: Dissemination

- Develop communication and dissemination strategy
- Launch project website: [www.care4waste.net](http://www.care4waste.net)
- Publish newsletters



# 5. RESULTS



## Which are our expected deliverables?

- Interactive map of 300 most relevant waste management actors in the LAC
- Events and training sessions
- Study on waste streams
- Catalogue with best practice in waste management
- 1000 posters with country-fit guidelines for consumers
- Catalogue of business models in circular economy

# QUESTIONS?



Thank you for your attention and enjoy the workshops!