



## Good Practice: *Selective Collection - Interaction and Integration of different systems*

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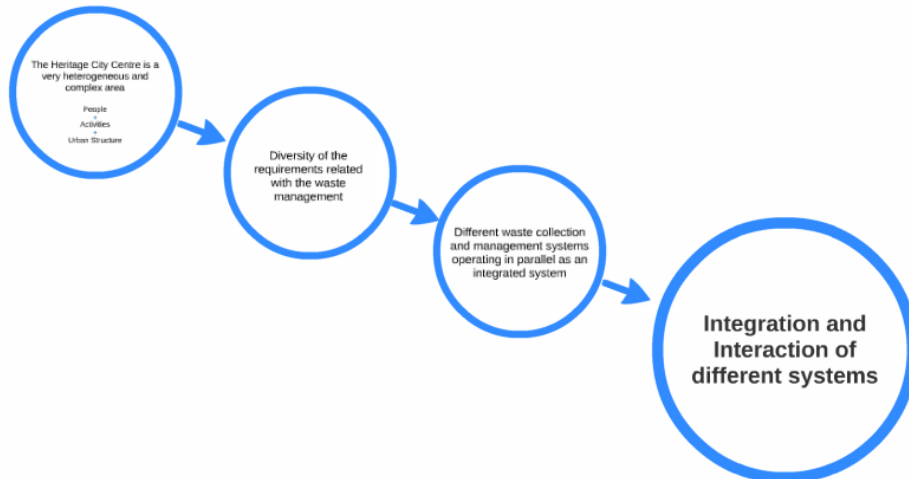
**Porto.**

8 June 2017, Krakow (Poland)

Thematic Seminar on Selective Collection in Heritage Areas



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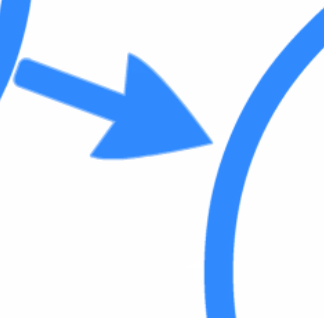


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The Heritage City Centre is a very heterogeneous and complex area

People  
+  
Activities  
+  
Urban Structure



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Permanent flows of people  
High level and diversity of economic activities  
Production of great amounts of waste



Winding and narrow streets with steep slopes, lack of space and where ordinary waste management solutions don't work

Need to address aesthetic criteria, ensuring the integration of the waste management system in the urban structure







# Integration and Interaction of different systems

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The selective collection in the Heritage City Centre began exclusively with **surface street bins**, for commerce and household waste



Overtime, we have been improving this system by the installation of other kinds of bins

**Semi-underground**



**Underground**



In 2008 we started to implement a door-to-door collection system in commerce



Initially located in the main commercial street  
Expanded overtime throughout the city centre

In 2015 we implemented the specific door-to-door collection system in Ribeira



Much more demanding and complex operation due to Ribeira's particular characteristics

## VIDEO

• In 2016 we started to evaluate the applicability of a similar approach for the household waste

↳ Developing a project to implement a residential door-to-door selective collection system in the Heritage City Centre, as well as in one other area of the city



With the evolution to the residential sector, because of the complexity of the Historic Centre and the consequent operational demands, we believe that we'll always need both systems operating in parallel - one dedicated to the commerce and other one dedicated to the residential users

• In 2016 we also started to evaluate the potential for the expansion of the commerce system in the City Centre

↳ Developing a project to identify the most promising areas of the city, with the strongest potential for expanding the door-to-door selective collection in commerce



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Thank You!

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 *Project media*

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