



# The IMPACTPapeRec Project:

## European multi-stakeholder cooperation to improve paper recycling rates

München, 8 February 2017  
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[www.acrplus.org](http://www.acrplus.org)

### Presentation outline

- I. Presenting ACR+, a technical network of cities and regions for sustainable resource management
- II. The IMPACTPapeRec project
  - a. Introduction to the project
  - b. Case studies – interesting findings
  - c. Next steps
    - Good practices
    - Main problems, challenges and needs
    - (Key) performance indicators
  - d. Communication & dissemination



## I. Presenting ACR+: in numbers

**34** reports  
published  
since 2004

**13** running  
EU-funded projects

**ACR+**

*Association of cities and regions  
for sustainable resource  
management*

**20+**  
years of  
experience

**3** ACR+  
initiatives

**40**  
newsletters  
sent each year



## I. Presenting ACR+: membership

**87**  
members

in **23**  
countries

**51**  
Local &  
regional  
authorities

Some members:



**+1,100**  
municipalities  
represented

**11**  
Invited  
members

*Invited members from countries of the European  
Neighbourhood and European Enlargement Policy*

**+ Join us!**



# Ia. Introduction to the project



## What?

A European Union financed Horizon 2020 coordination and support action.

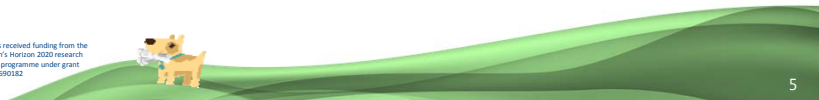
- Project emerged from IMPACT, a commitment under the European Innovation Partnership on Raw Materials.
- Objective: Boost the Circular Economy by
  - Further increase separate collection of PfR
  - Promote appropriate schemes to avoid landfilling and incineration

## How?

Defining, applying and sharing **best practices** in cooperation between all stakeholders in the **value chain** along with strong dissemination and communication of best practices and results.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 690182



# Ia. Introduction to the project



## Who? Partners



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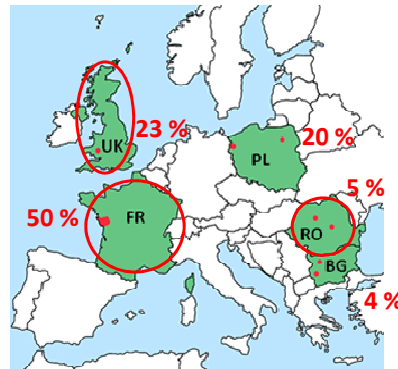
## Ila. Introduction to the project

### Where ?

Focus countries are Poland, Romania, Bulgaria, UK and France.

### Why?

- In some countries, the paper recycling rate is still low.
- In some countries, municipal paper or cardboard is collected in a commingled stream.



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7

## I Ib. Case study territories

### Territories amongst project partners

- Bulgaria: Dupnitsa
- Bulgaria: Mezdra
- Romania: Mihai Viteazu
- Romania: Sfantu Gheorghe
- France: Trivalis/SCOM

### Territories not amongst project partners

- Poland: Szczecin
- United Kingdom : Merthyr Tydfil

*Analysis of current collection models in cities under study (PTS) → public deliverable D 3.1, available [online](#)*

### Best practice territories

- Belgium: Liège
- Germany: Kempten/Oberallgäu/Lindau
- Slovenia: Ljubljana
- Spain: Cádiz
- Spain: Logroño



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8

# Ib. Case studies – interesting findings



## Selective collection of graphic paper in FR and UK

UK



# Ib. Case studies – interesting findings



## Selective collection of graphic paper in FR and UK

UK



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# Ib. Case studies – interesting findings



## Selective collection of graphic paper in FR and UK

France



But: Co-mingled collection of cardboard!



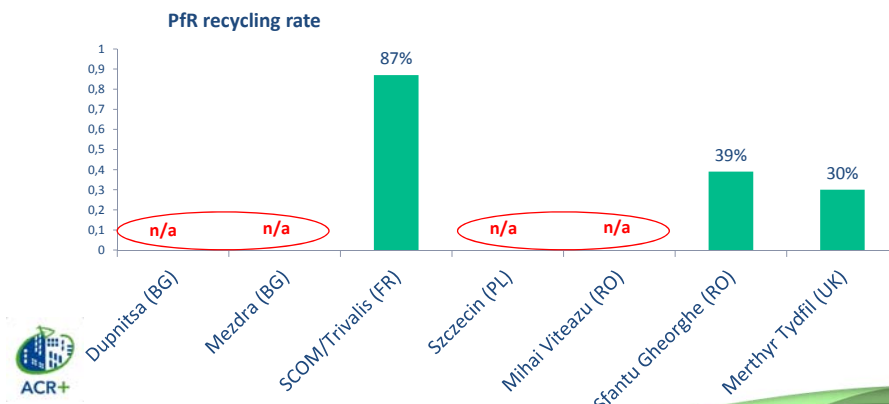
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# Ib. Case studies – interesting findings



## Lack of data



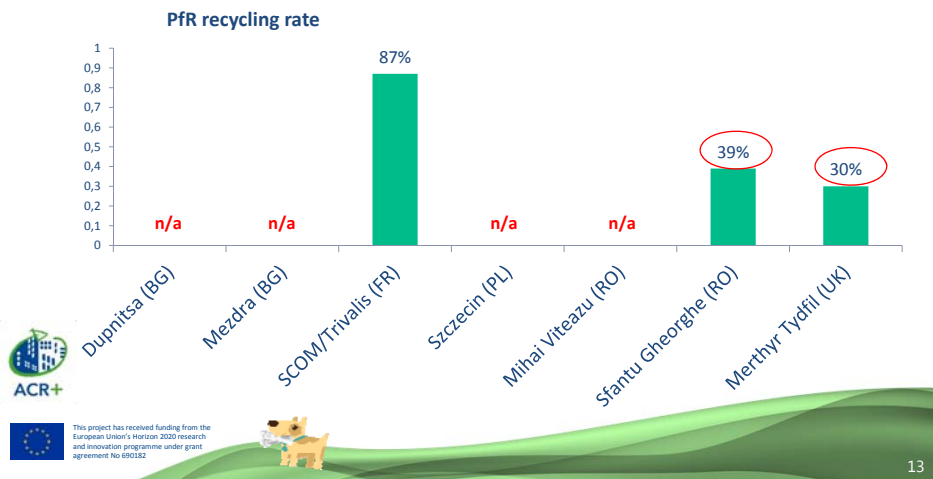
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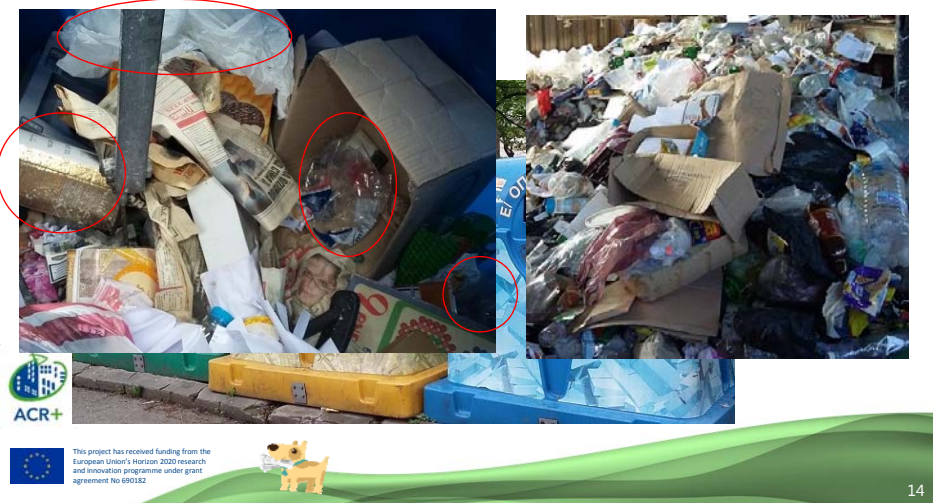
## IIb. Case studies – interesting findings

### Lack of quantity of PfR collected



## IIb. Case studies – interesting findings

### Lack of quality of PfR collected



## Iib. Case studies – interesting findings



### No separate collection of PfR

→ Mihai Viteazu, Romania

### Different paper & board generation and market

- Much less graphic paper available in BG, RO, PL
- No market for graphic paper in Szczecin – collection shop accepts graphic paper but does not pay for it, focus is on cardboard



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15

## Iib. Case studies – interesting findings



### Collection shops



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16



## Ilc. Next steps



### Three main directions of work

1. Evaluation of **good practices** and development of best practice handbook
2. Identification of **main problems, challenges and needs** in each cluster
3. Development and application of **(key) performance indicators**



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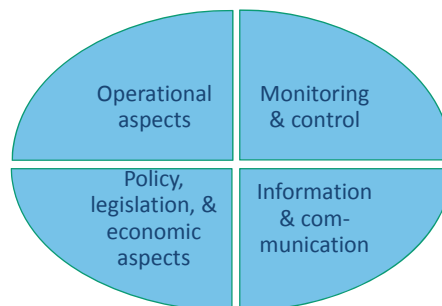


17

## Ilc. Next steps: 1. Good practices



### Evaluation of good practices



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18

## IIc. Next steps: 1. Good practices



### Next steps

1. Evaluation of good practices
2. Definition of best practices amongst good practices
3. Evaluation of good practices in project cluster
4. Development of best practice handbook



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19

## IIc. Next steps: 2. Main problems, challenges and needs



### Main problems

- Collection of mixed recyclables
- Low quantity of paper and board
- Low quality of paper and board – impurities and moisture
- Low motivation of citizen
- Vandalism
- Littering around collection sites
- Lack of data

**Next step:** Confirm problems with cluster municipalities



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20

## IIc. Next steps: 2. Main problems, challenges and needs



### Main challenges (1)

- Increase motivation of citizen
- Provide sufficient information, communication and education about resource management and recycling
- Raise the environmental awareness
- Avoid mixed collection and contamination of material inside containers
- Improve design of containers and collection sites
- Provide convenient availability of collection containers and collection sites



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21

## IIc. Next steps: 2. Main problems, challenges and needs



### Main challenges (2)

- Prevent scavenging of recyclables
- Put an end to house firing of recyclables
- Reduce vandalism of collection sites
- Store paper and board with coverage
- Establish standards and guidelines
- Ensure that regulations are conclusive

### Next steps:

1. Analysis of main challenges regarding causes and effects
2. Definition of challenges and needs
3. Individual analysis per cluster
4. Identification of good practices & innovation needs for each cluster
5. Evaluation of possibility of implementation of GPs per cluster



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22

## Ilc. Next steps: 3. (Key) Performance indicators



### Operational indicators

- 1.1 Paper & cardboard collection rate
- 1.2 Impurities: non-paper components
- 1.3 Moisture content
- 1.4 Service to the citizen

### Economic indicators

- 2.1 Cost coverage
- 2.2 Structure of the cost coverage
- 2.3 Costs for the municipality
- 2.4 Revenues for the municipality

### Social indicators

- 3.1 Citizens and stakeholder satisfaction

### Environmental indicators

- 4.1 Paper & cardboard recycling rate

**Next step:** Check availability of data for calculation of PIs in the clusters



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23

## IId. Communication & Dissemination



### How to learn more?

- Project website: <http://www.impactpaperec.eu/>
- Follow us on Twitter #IMPACTPapeRec
- Join the LinkedIn group: <https://www.linkedin.com/groups/8521152>
- Project brochure



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24

## Ild. Communication & Dissemination



### How can you get involved?

- The External Support Committee
- Best Practices Handbook
- Open workshops
- Webinars & trainings
- Final Conference: January 2018, Brussels



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25



# Thank you!

Herzlichen Dank für Ihre Aufmerksamkeit!

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