



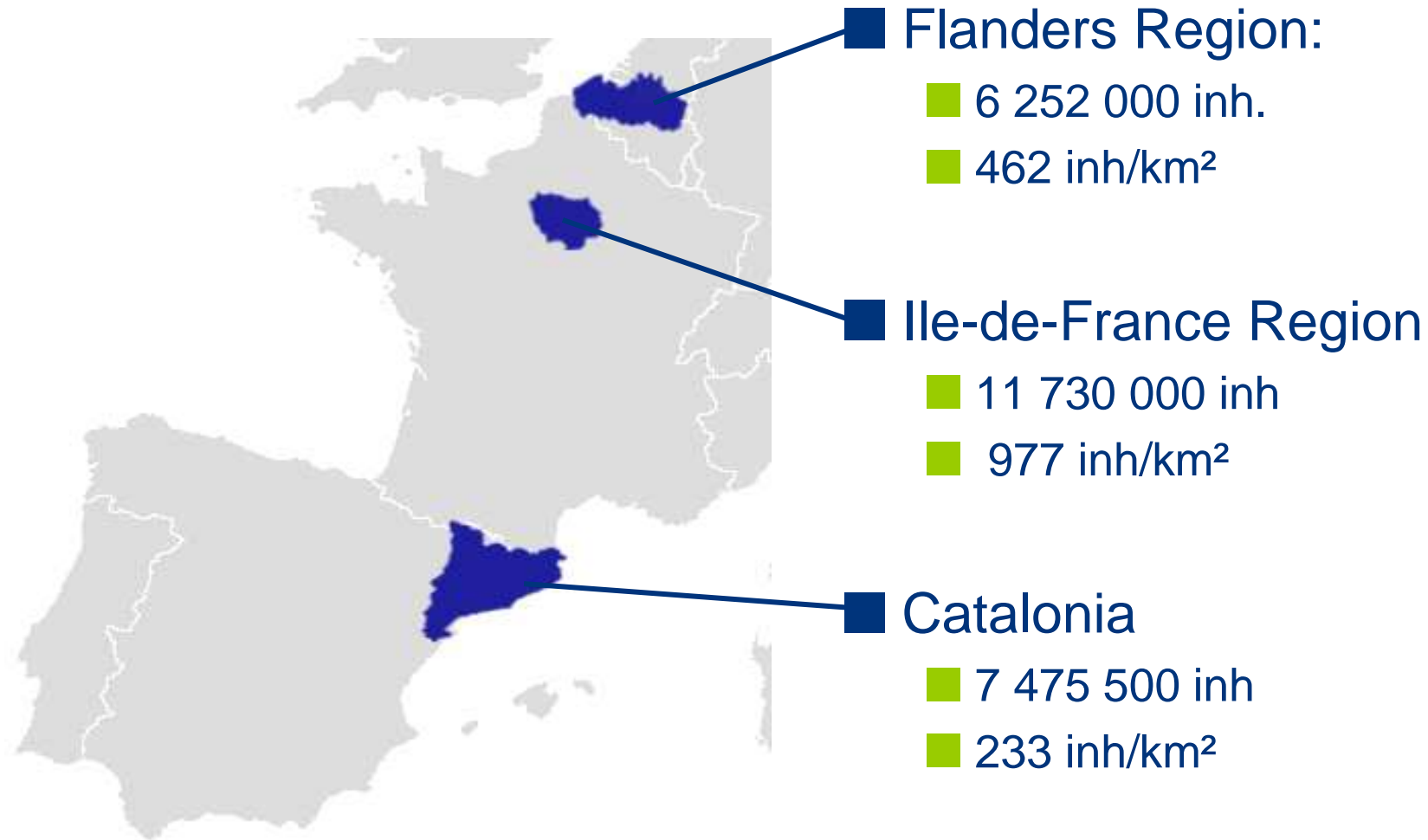
# Comparisons among 3 regions

## *First analysis*

Jean-Benoit Bel



## 3 European regions



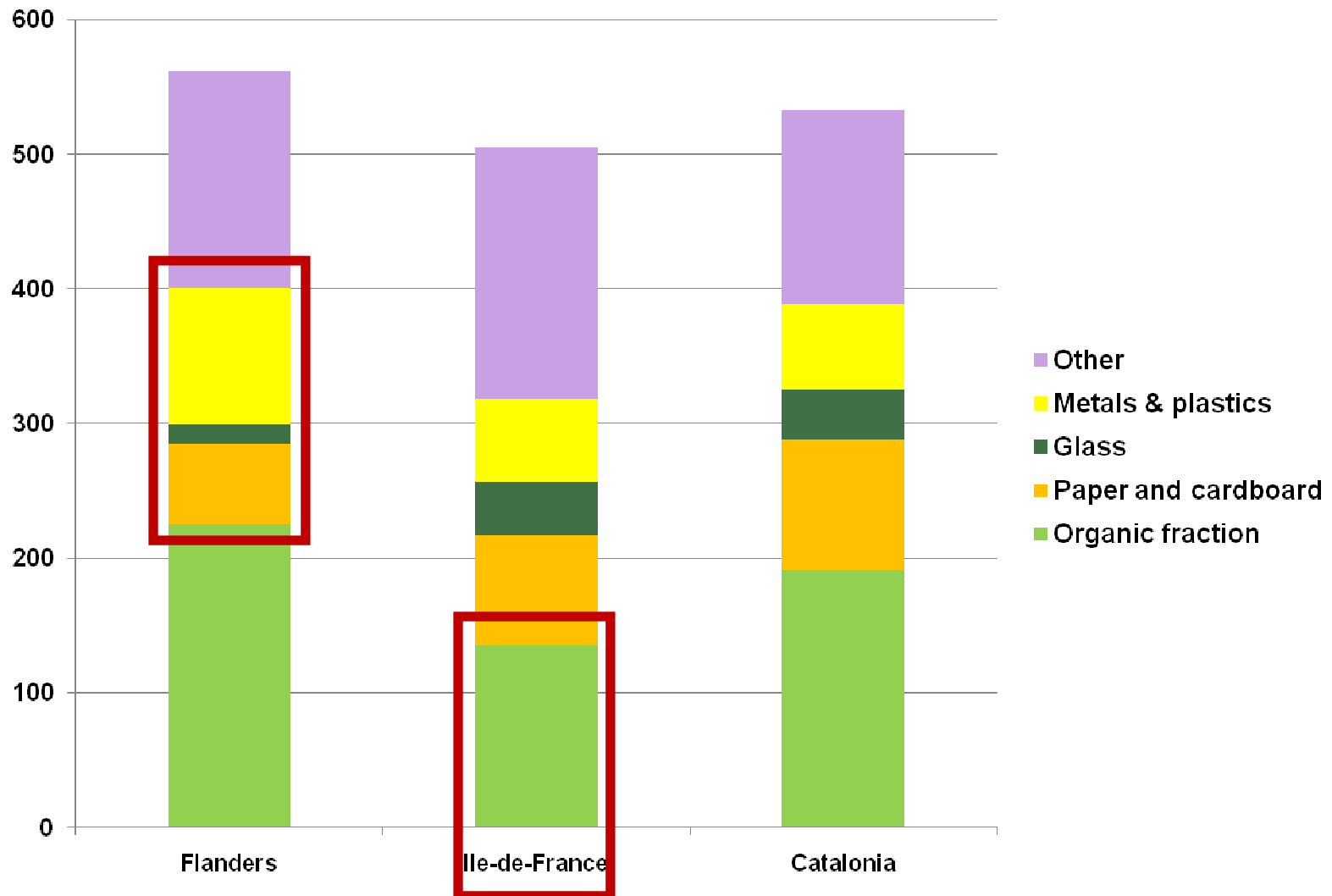


## Main waste data - 2009

	Flanders	Ile-de-France	Catalonia
Total municipal waste arising	3 330 000 t	5 920 000 t	4 200 000 t
Part of non-household waste	Around 20 %	23 % (assessment)	No precise data
Waste generation per inhabitant	523 kg/inh	505 kg/inh	560 kg/inh
Selective collection rate	<b>70 %</b>	33 %	37 %



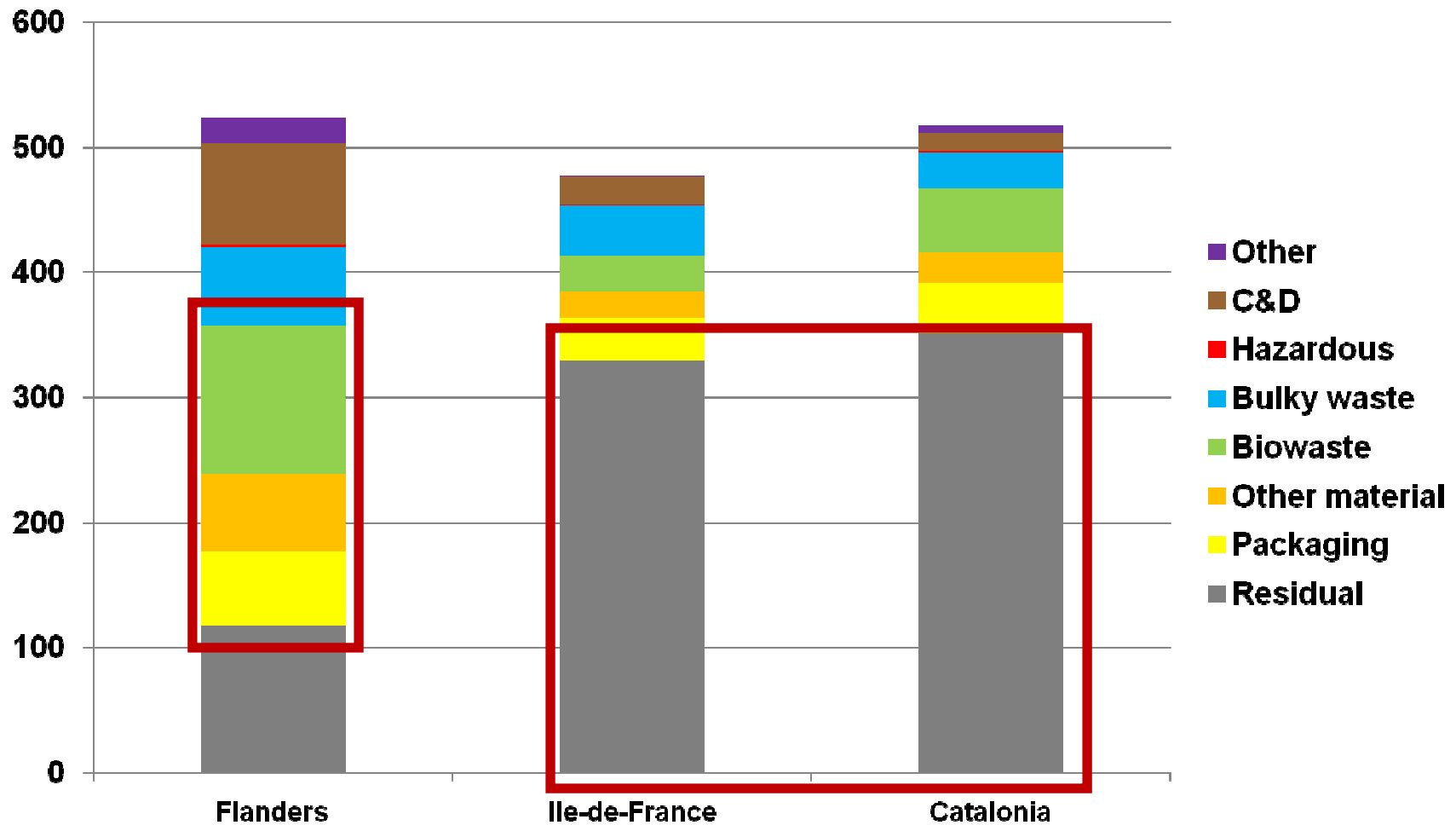
# Municipal waste composition - kg/inh/yr (assessment)





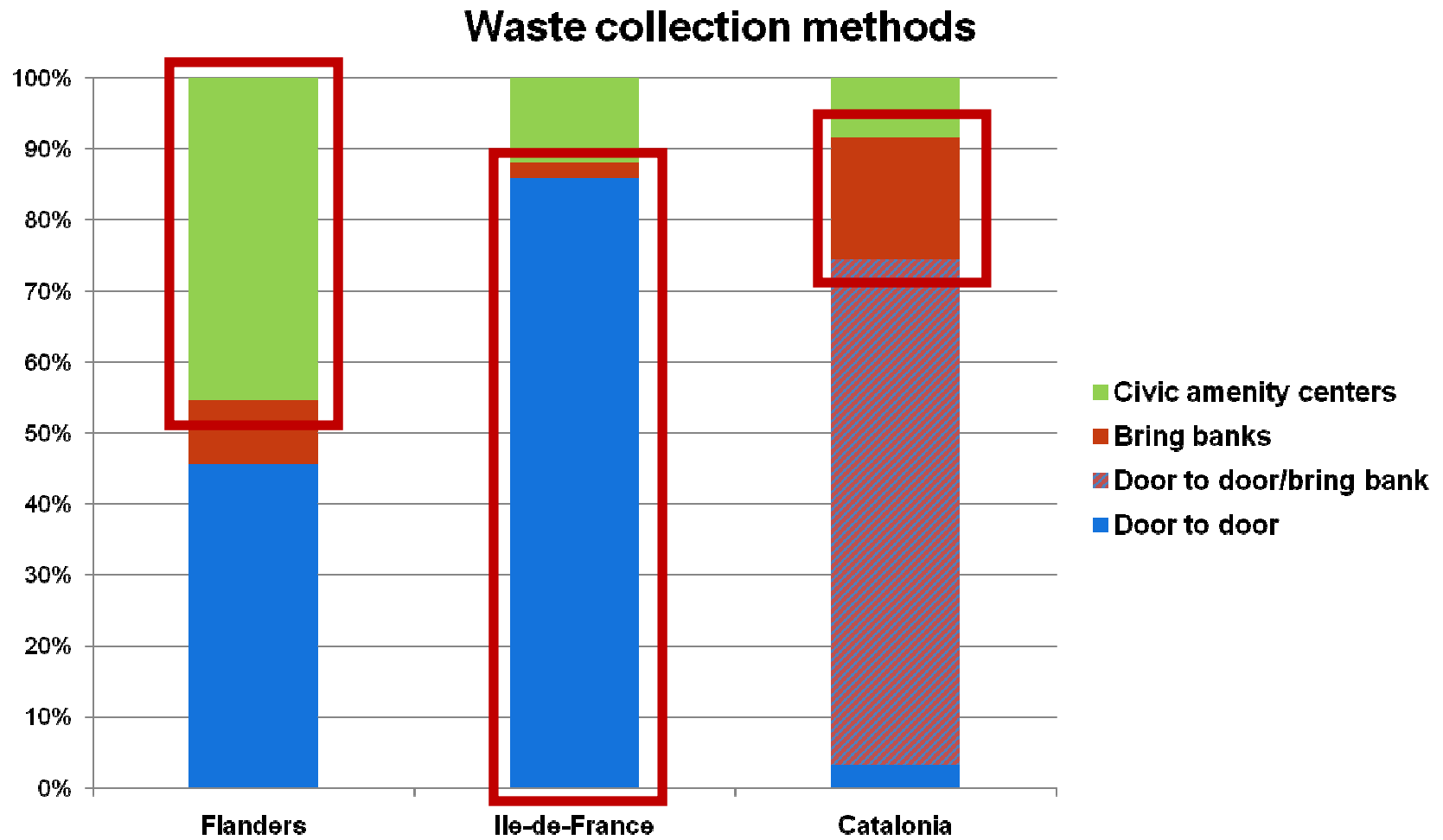
# Municipal waste collection

Municipal waste collection per inhabitant (kg)





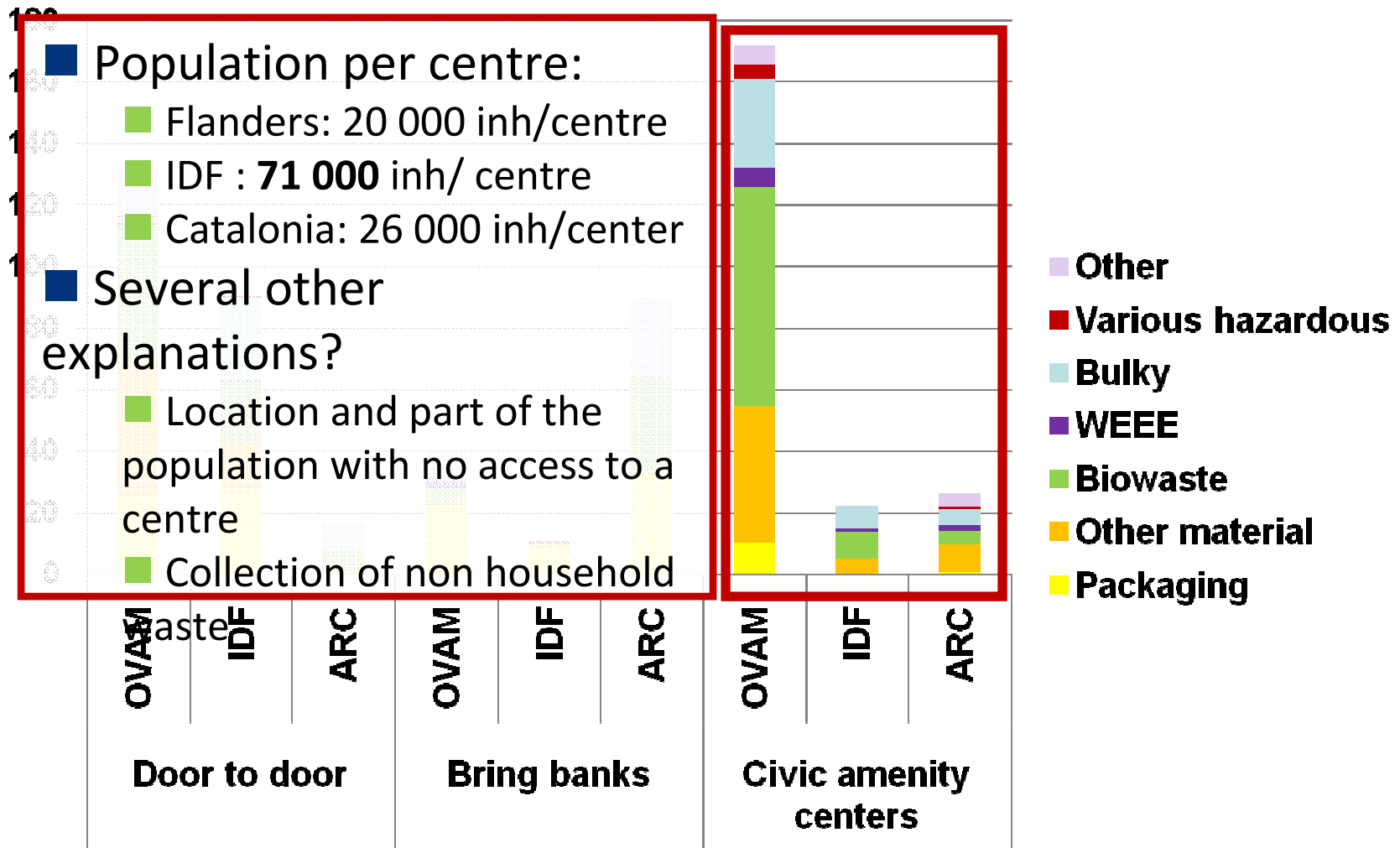
# Waste collection methods





# Collection methods

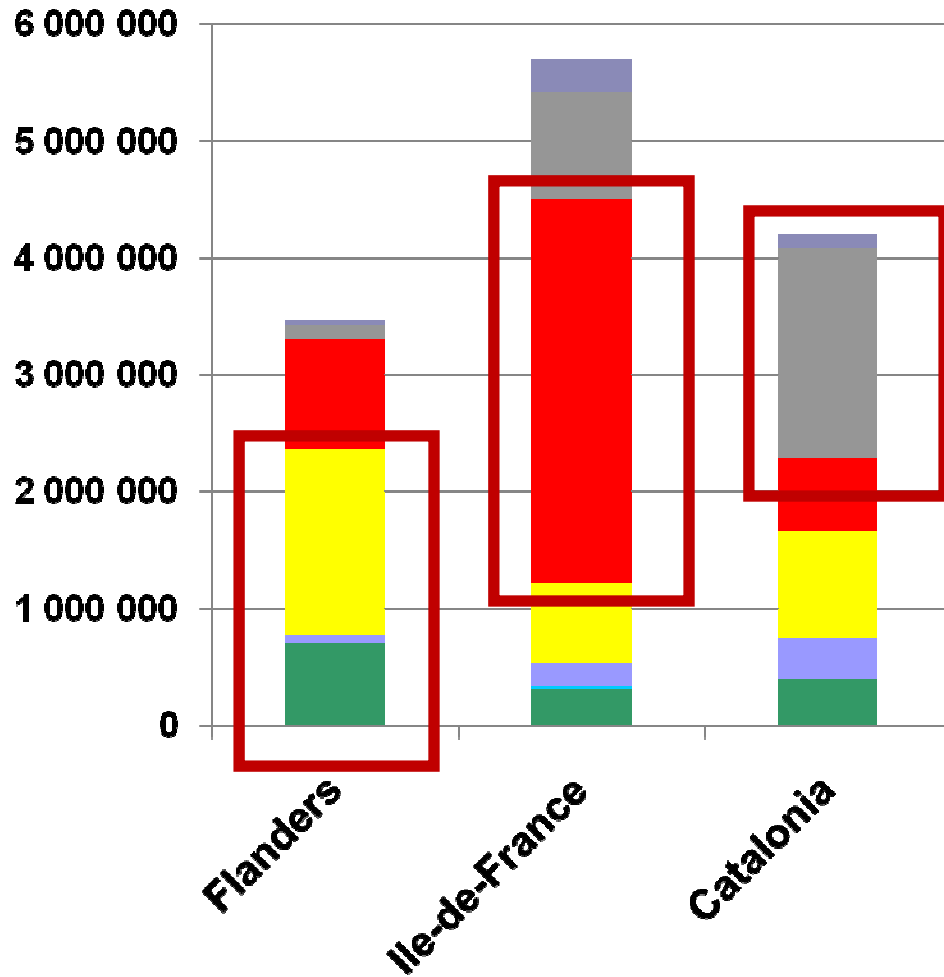
Collected quantities by collection method (kg/inh)





# Treatment methods

Treatment methods (first destination) (t)



8: Other (precise)  
7: disposal (Landfill) !  
**Refusal rates not included here**  
5: Energy recovery  
4: Mechanical sorting  
3: Mechanical Biological Treatment  
2: AD/biomethanisation  
1: composting





## Next challenges

### ■ Uncertainties:

- Waste composition: some uncertainties
- « Similar » waste : largely unassessed – might explain differences
- Heterogeneous territories?
- Clear recycling rates: better knowledge of waste flows (flow diagrams?)
  - First destination of collected waste
  - Final destination, including refusal rates



## Next challenges

- Reasons for differences:
  - Exact content of recycled flows
  - Part of similar waste in recycled flows
  
- Research of « good practices »:
  - Local specificities (density, vertical housing...)
  - Local tools: collection methods, legislation, taxes...



**Thank you for your attention !**

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