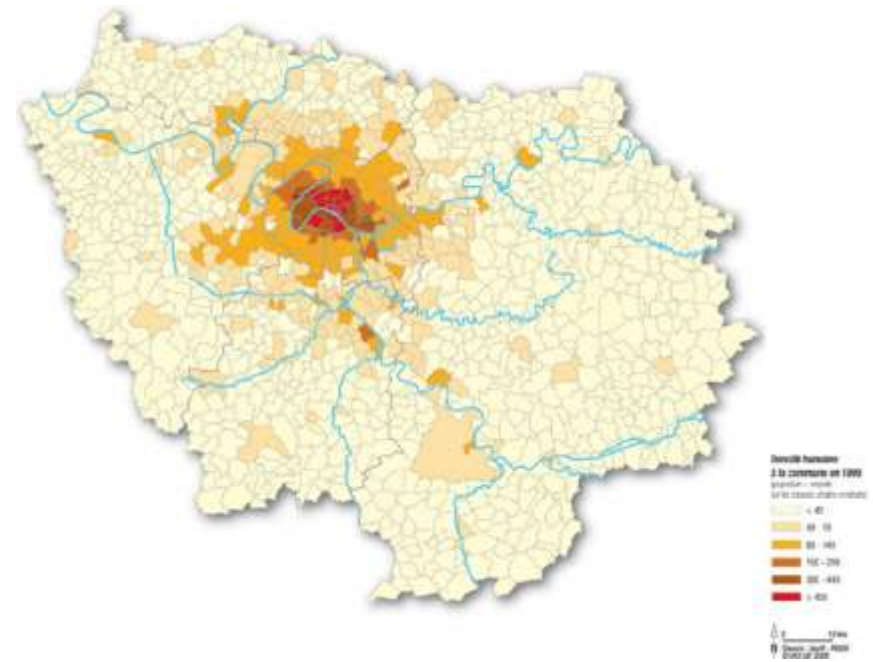


# Waste monitoring in the Paris Region

10 June 2016

Jean-Benoit Bel

# Paris Region



# Paris Region Waste Observatory



**Waste monitoring**

**Disseminate  
information**

**Bring together  
waste  
stakeholders**

## WASTE STRATEGIES

- Collection and treatment modes and equipment
- Legal framework
- Economic instruments
- Communication

## WASTE MANAGEMENT ACTIVITIES

- Collected quantities
- Sorted fractions
- Treatment units
- Other: costs, environnement, jobs..

## EXTERNAL FACTORS

- Type of housing
- Rural/urban
- Consumption patterns
- Density
- Weather
- Touristic activity...



?



?

## WASTE OBSERVATORY



**Mandatory reporting**

**Participative surveys**

**Conventions...**

## WASTE DATA HOLDERS

- **Local authorities**
- **Waste companies**
- **EPR organisations**
- **Waste producers**
- **Recycling operators**
- **NGOs...**

# WASTE OBSERVATORY

## WASTE DATA HOLDERS

- Local authorities
- Waste companies
- EPR organisations
- Waste producers
- Recycling operators
- NGOs...

## WASTE OBSERVATORY

### A COLLABORATIVE APPROACH

- Definition of methods
- Validation of results
- Qualitative explanations
- Make observation useful: local figures, benchmarking...

### WASTE DATA HOLDERS

- **Local authorities**
- **Waste companies**
- **EPR organisations**
- **Waste producers**
- **Recycling operators**
- **NGOs...**

## DÉCHETS MÉNAGERS ET ASSIMILÉS (2010)



de la population francilienne couverte par un programme de prévention



**78** intercommunalités chargées de la collecte  
et **30** intercommunalités chargées du traitement



Entre 2000 et 2010, les quantités de DMA collectées en Île-de-France ont diminué de **32 kg / hab**



millions de tonnes collectées soit **474 kg/hab**



Selon les départements les quantités de DMA collectées s'échelonnent entre **399 kg/hab** et **556 kg/hab**



**166** déchèteries

**1**

déchèterie

pour

**71 000**

habitants



des déchets ménagers incinérés



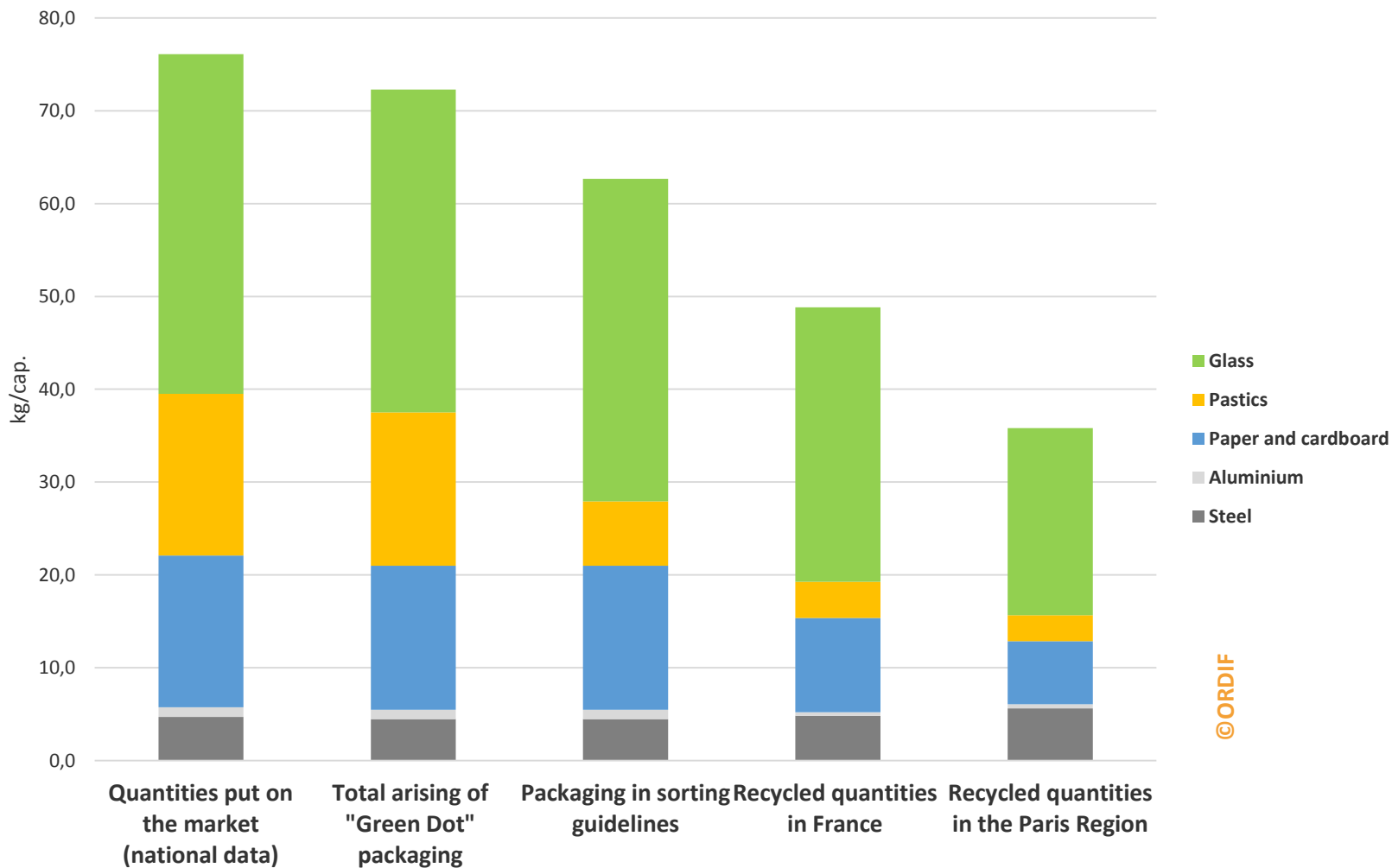
des DMA orientés en recyclage matière et organique en 2010

Objectif Grenelle: **35 %** en 2012





# HOUSEHOLD PACKAGING WASTE ARISING AND RECYCLING IN 2014 (KG/CAP)



## Monitoring waste strategies

DEFINE  
INDICATORS  
WHEN YOU  
DEFINE TARGETS

A COMPROMISE  
BETWEEN WHAT  
YOU WANT AND  
WHAT YOU HAVE

TRANSPARENCY

COLLABORATIVE  
APPROACH

***“We don't know how to measure  
what we care about, so we care  
about what we measure”***

**Richard Tapia**

# Jobs for 10 000 t (collection + treatment)



42



25



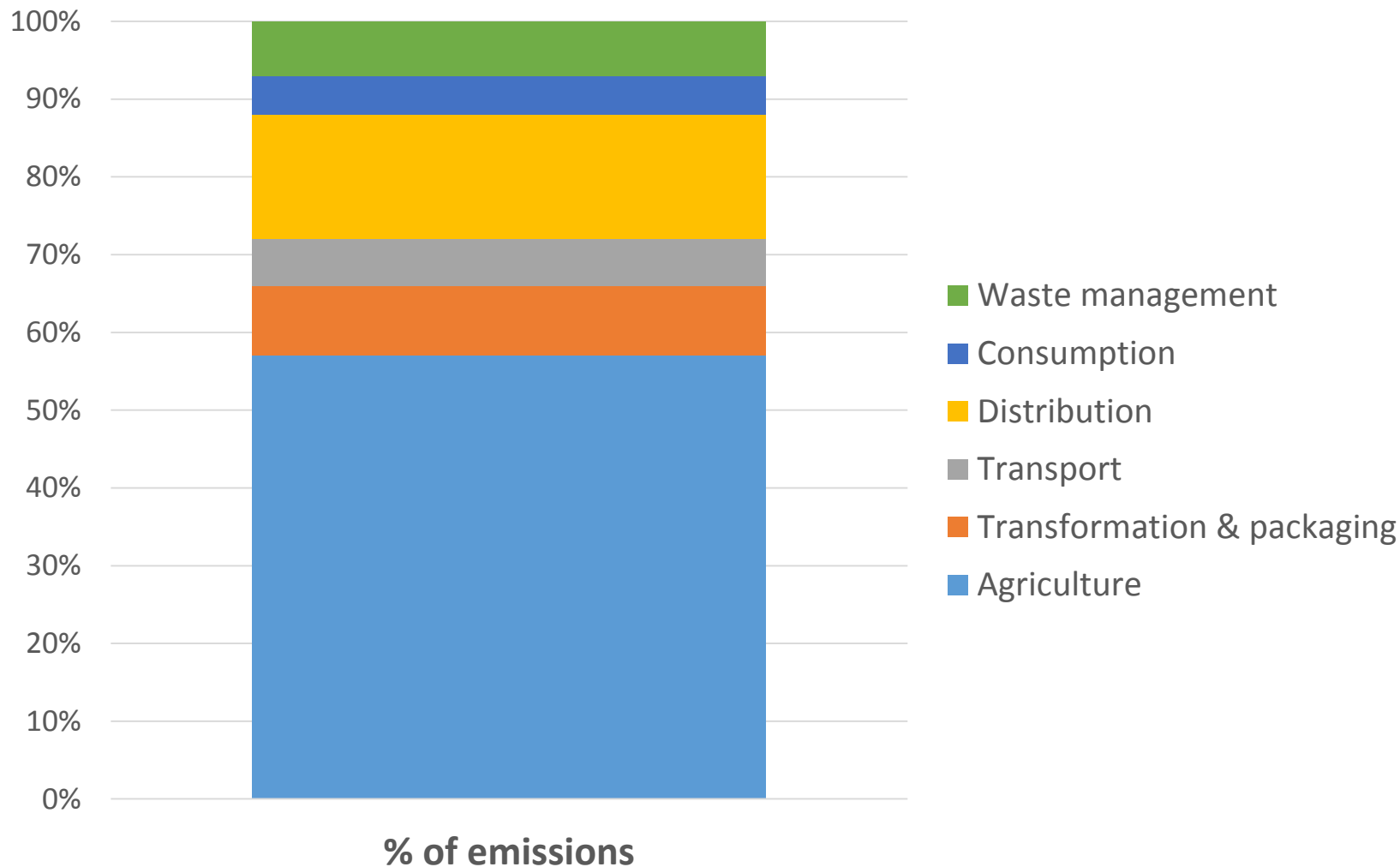
17



15



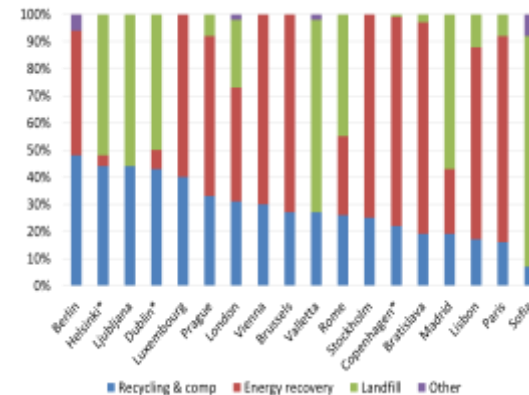
## CARBON IMPACT OF FOOD IN FRANCE (% , 2013)



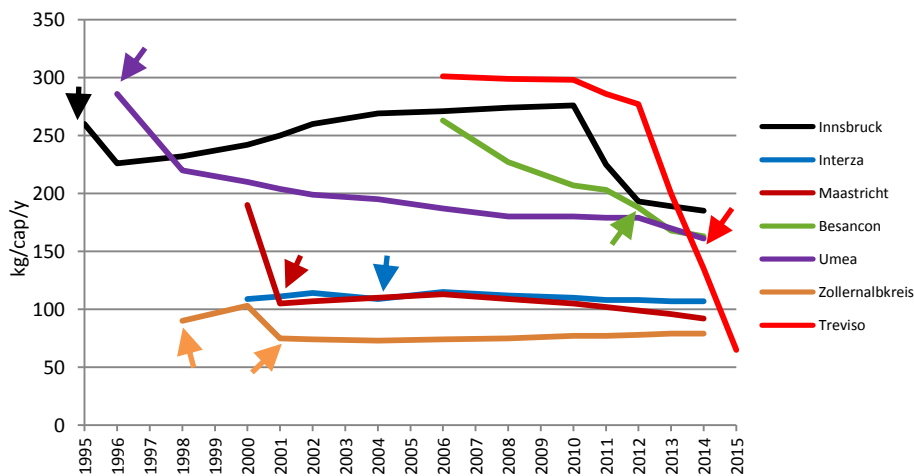
# ACR+ Observatory of municipal waste performances



Municipal waste generated and collected		From:	Agreement:
2012	1,181,000	1,181,000	100%
2011	1,181,000	1,181,000	100%
2010	1,181,000	1,181,000	100%
2009	1,181,000	1,181,000	100%
2008	1,181,000	1,181,000	100%
2007	1,181,000	1,181,000	100%
2006	1,181,000	1,181,000	100%
2005	1,181,000	1,181,000	100%
2004	1,181,000	1,181,000	100%
2003	1,181,000	1,181,000	100%
2002	1,181,000	1,181,000	100%
2001	1,181,000	1,181,000	100%
2000	1,181,000	1,181,000	100%
1999	1,181,000	1,181,000	100%
1998	1,181,000	1,181,000	100%
1997	1,181,000	1,181,000	100%
1996	1,181,000	1,181,000	100%
1995	1,181,000	1,181,000	100%



- With pioneer ACR+ members
- Benchmarking cities & regions with the same indicators/methods
- Work on specific territories (e.g. capital cities), specific fractions (e.g. bio-waste), specific instruments (e.g. PAYT)



# Regions for Recycling

HOUSEHOLD  
WASTE

SIMILAR  
WASTE

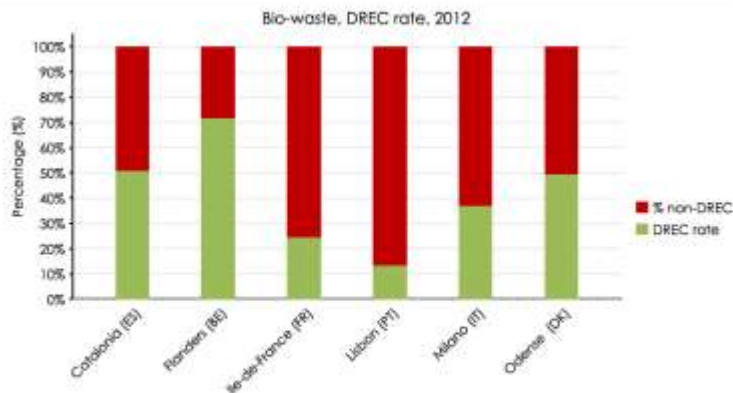
MUNICIPAL WASTE

COLLECTED BY LOCAL  
AUTHORITIES

COLLECTED BY OTHERS

+ DESTINATION  
RECYCLING

### 3. Graph



### 4. Remarks

- Data about composition analysis of **Residual waste** and region **Ile-de-France (FR)** are estimated and not measured for fraction(s): Bio-waste - Kitchen waste, Bio-waste - Green waste (including pruning wood)
- Data about composition analysis of **Residual waste** and region **Flanders (BE)** are estimated and not measured for fraction(s): Bio-waste - Kitchen waste, Bio-waste - Green waste (including pruning wood)



# Thank you !

[www.ordif.com](http://www.ordif.com)