



CONAi

RECOVERY AND RECYCLING

Packaging waste management in Italy

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President*



Conai – National packaging consortium

D.Lgs 152/2006, art. 224:

- “To achieve the overall goals of recovery and recycling (...), **packaging producers and fillers (...)** participate in to the **National Packaging Consortium**, (...), which is a private and no profit company
- Conai coordinates the six consortia activities, one for each packaging material and ensures the achievement of the recycling/recovery packaging waste targets
- Conai signs an agreement with ANCI (Municipalities association) which sets, in particular, the "additional fees" for the separate collection to be paid to the municipalities
- Conai determines the value of the **Environmental Contribution**, attributing it to each Consortium to cover the “additional fees” of Municipalities for separate collection.

Materials Consortia



Aluminium



Glass



Paper



Plastics



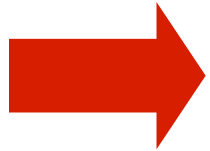
Steel



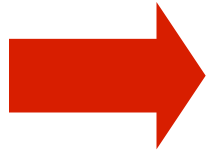
Wood

As an alternative to complying with the Consortia, packaging producers can independently manage their "own" packaging wastes or prove that a take back system of own packaging wastes was organised.

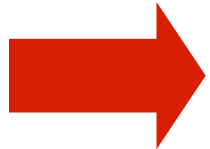
The role of Conai in the recycling of packaging waste



Guarantor of collection of the packaging wastes collected by municipalities (ANCI-CONAI Agreement)

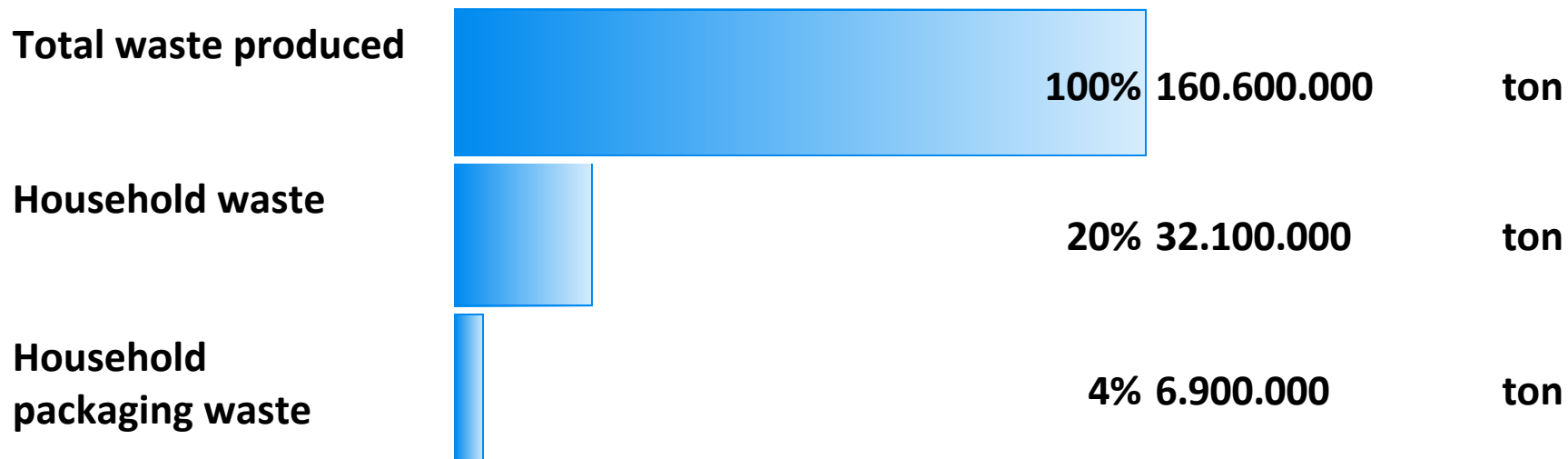


Subsidiary to the market

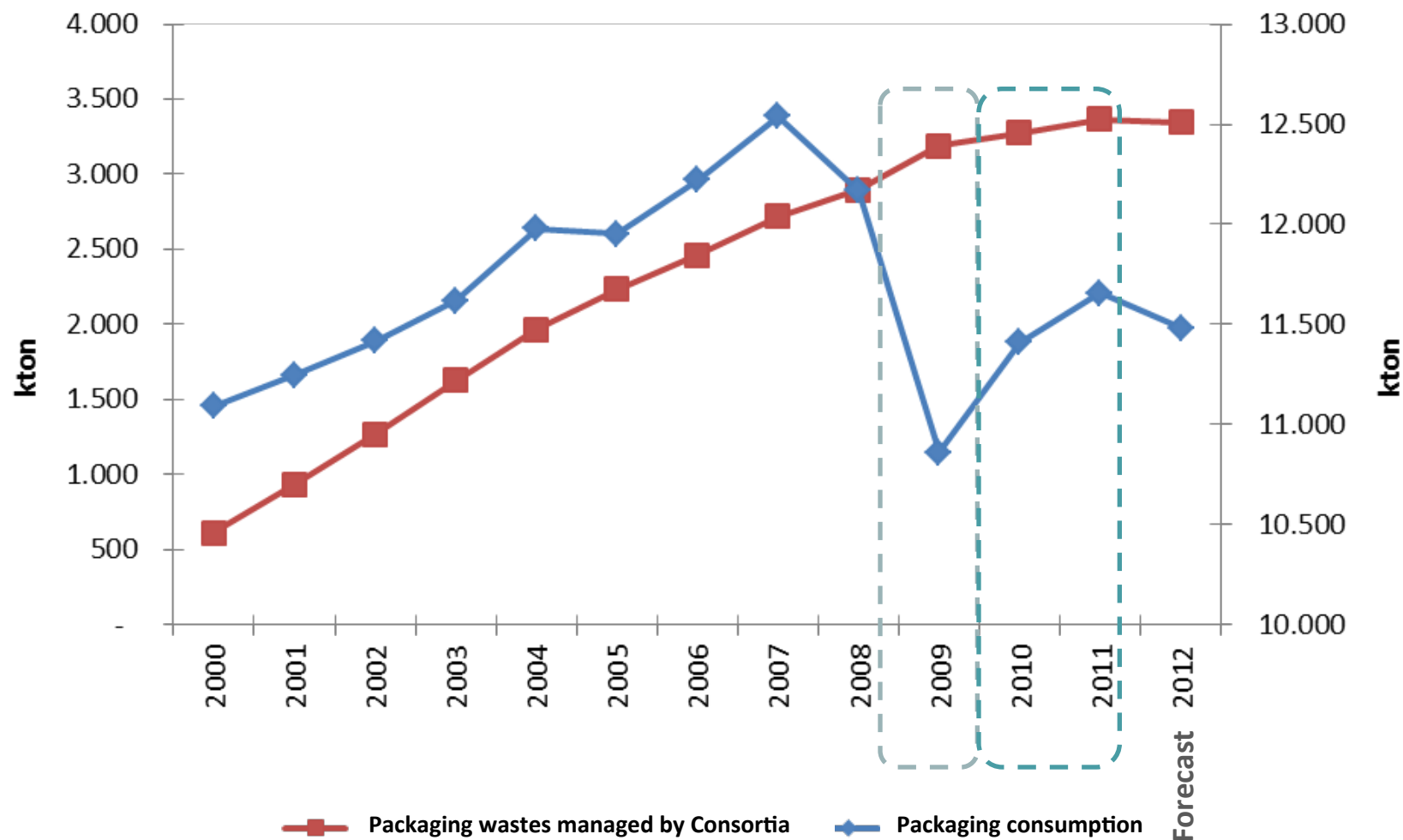


Guarantor of recycling and recovery packaging wastes

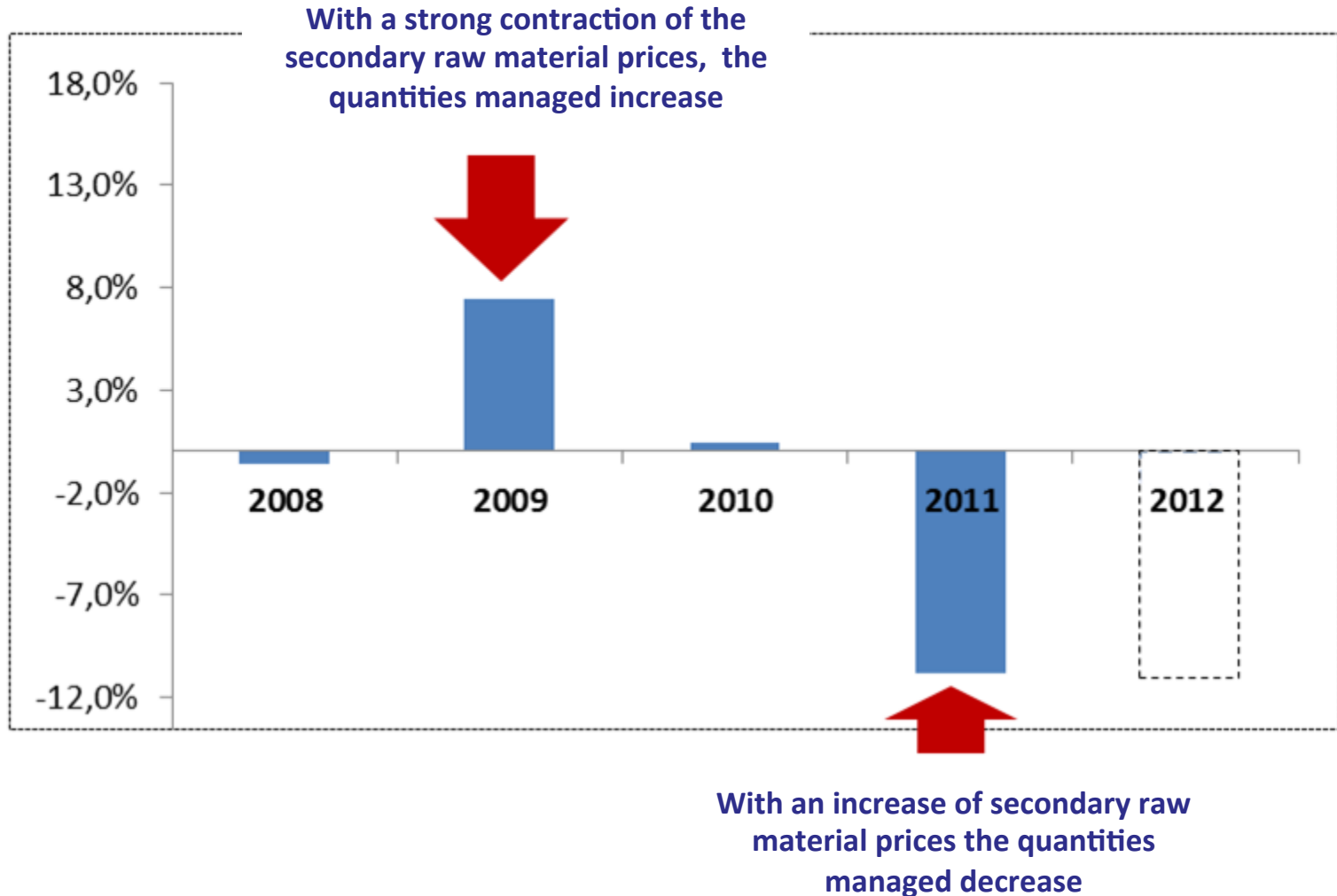
National scenario of wastes production (updated to 2009)



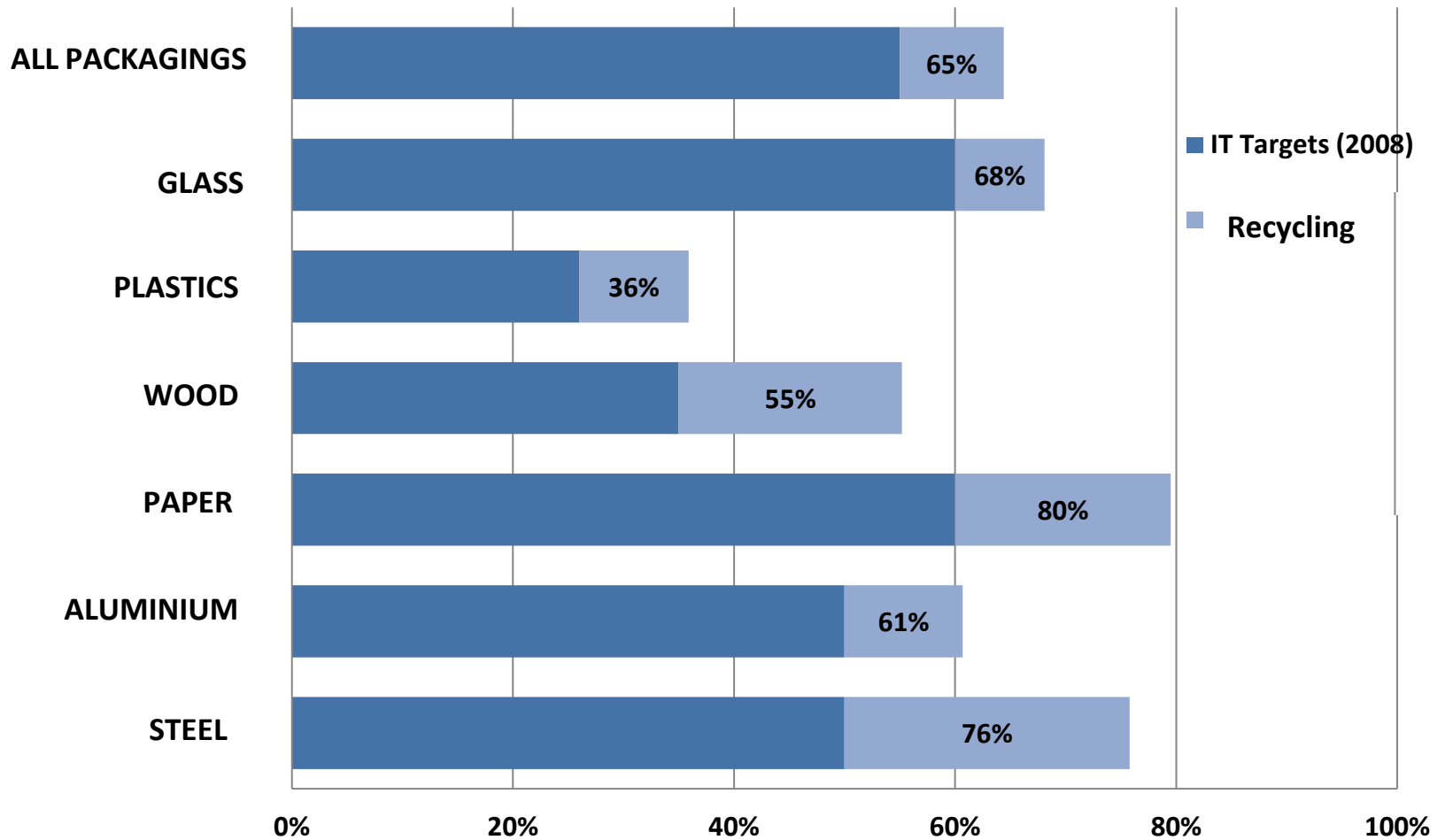
Packaging consumption and Packaging wastes managed by Consortia



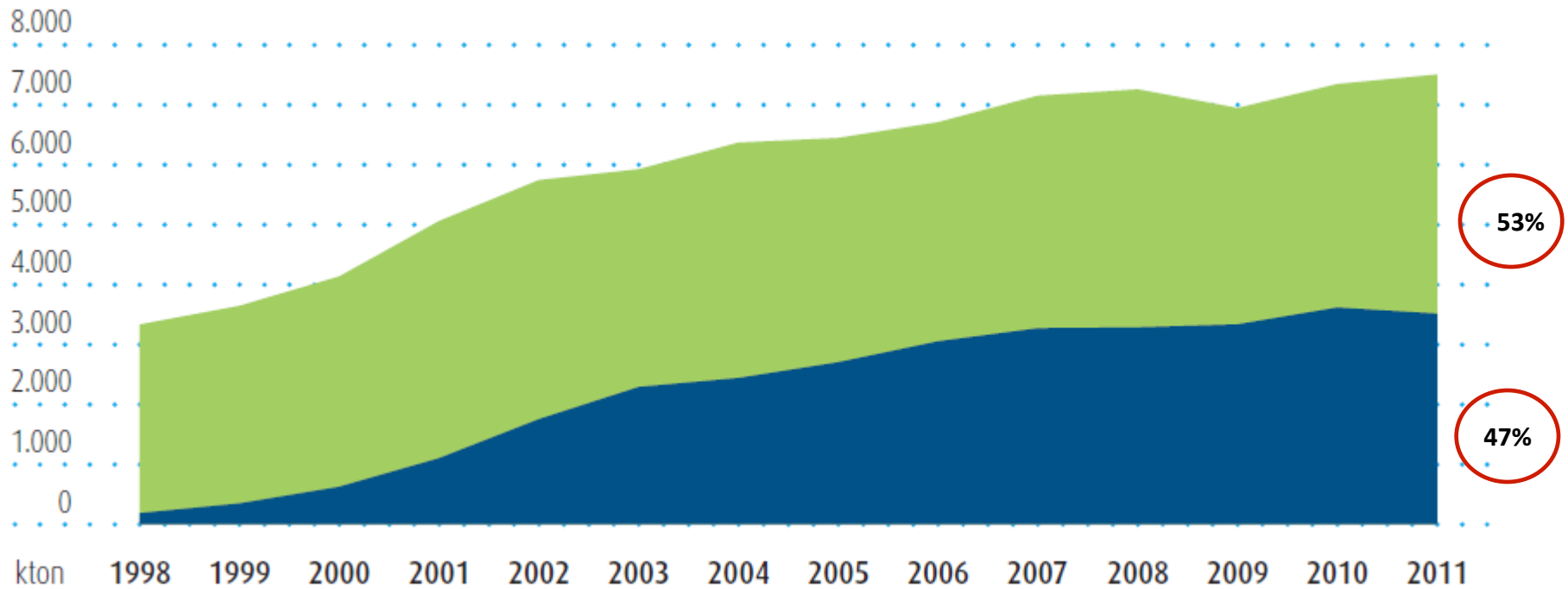
Comieco Consortium case





Packaging Recycling performances (2011)



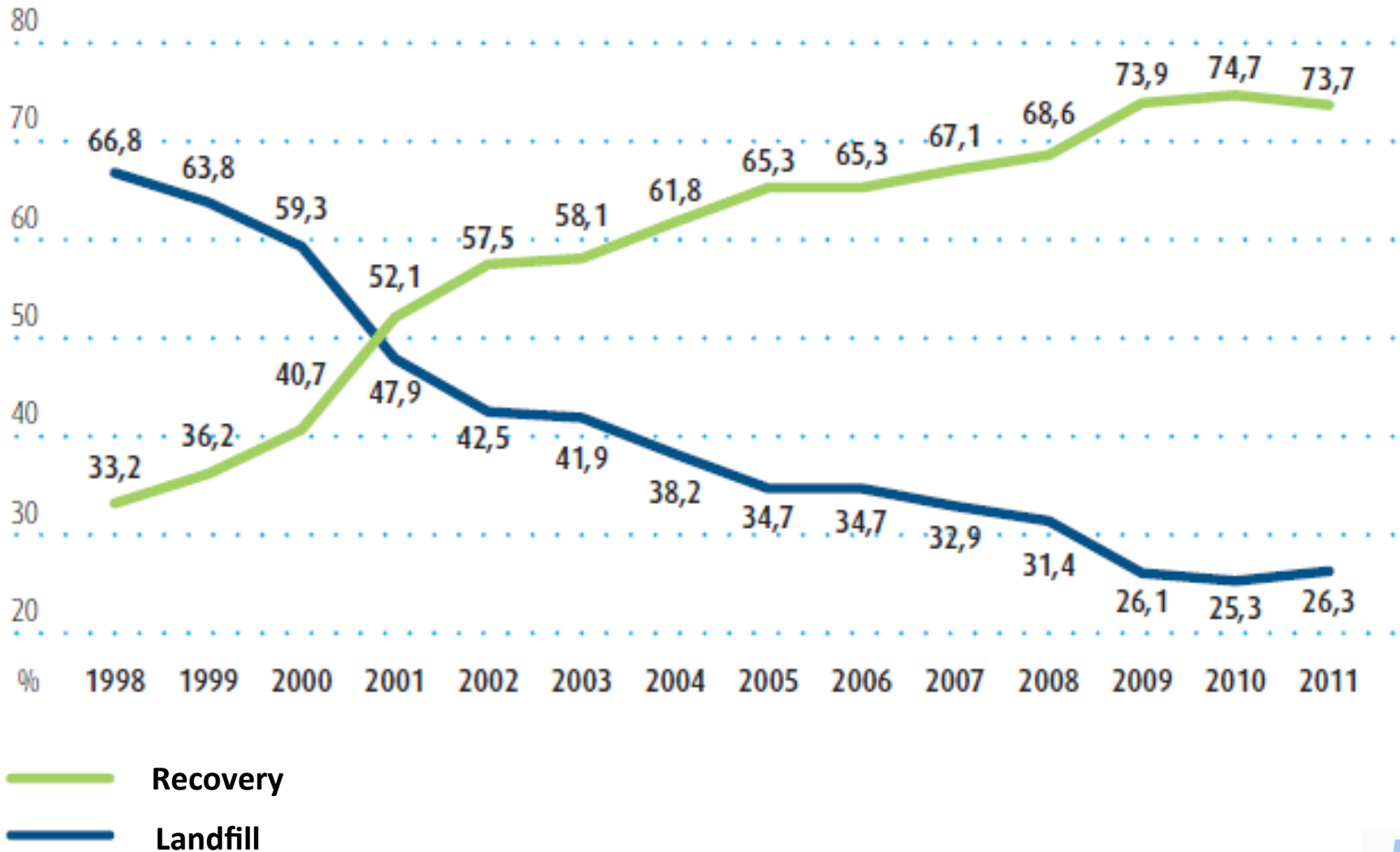
Recycling packaging wastes: Independent management vs. Consortium management



Source: CONAI-Materials Consortia

-  Independent management
-  Consortium management

Packaging Recovery performances (2011)



The economic value of the collection-recycling system for Italy

Valori in milioni di €

Voci di costo generate dal sistema Conai

Costi incrementali di raccolta	-	1.395,9
Costi per energia non generata	-	94,5
Costi incrementali per trasporti a selezione e riciclo	-	1.614,6
Costi esterni dei trasporti incrementali	-	146,7
Costi di struttura del sistema Conai-Consorti di filiera	-	816,6
Totale costi	-	4.068,3

Voci di beneficio generate dal sistema Conai

Costi di smaltimento evitati		5.255,7
Emissioni da riciclo evitate		1.526,2
Valore della materia prima seconda generata		2.430,3
Costi evitati grazie alla prevenzione		534,9
Indotto generato dal sistema Conai-Consorti di filiera		5.407,2
Totale benefici		15.154,2

Saldo finale BENEFICI NETTI € 11.085,8

Towards a broader concept of prevention

The eco-sustainability of packaging for CONAI has always been identified with the theme of prevention with a view «FROM CRADLE TO CRADLE»

1. PACKAGING

- Savings of raw material
- Reuse of packaging
- Logistics optimization
- Facilitation recycling activities (increasing recyclability)
- Simplification of the packaging system
- Ecodesign and sustainable design



2. THE SEPARATE COLLECTION AND SELECTION

- Development of the separate collection and reduction of waste to landfill
- Increase of the quality of the separate collection aimed to recycling
- Availability of new resources



4. THE PRODUCTS OF THE RECYCLING

- Strengthening GPP (Green Public Procurement)
- Innovation in the use of recycled material



3. RECYCLING INDUSTRY

- CO₂ reduction
- Energy saving
- Raw material saving
- Reduction of water consumption