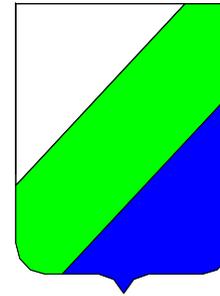




**Abruzzo Green Region
of Europe**

REGIONE
ABRUZZO



**COMPOSTING
IN
ABRUZZO REGION - ITALY**

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Abruzzo Region - Regional
Waste Monitoring***



Abstract presentation

1. Activities of Regional Waste Monitoring (abbr. ORR in Italy) Abruzzo
2. National and Regional Regulations on Waste Management
3. Main problems on waste management in Abruzzo
4. Sector policies for handle problems in Abruzzo
5. Voluntary agreements on composting



Regional Waste Monitoring. Main activities

- **Implementation and management of the Regional Environmental Information System for the management of data on waste, called CARIREAB, with the collaboration of (Regional Agency for Environmental Protection (ARTA) and Provinces**
- **Verification targets recycling and realization of the plants under the Regional laws and Regional plan**
- **Analyze organizational models adopted by the municipalities on waste collection in order to have more efficient services**
- **Analyze and compare the waste fees charged by service managers**
- **Provides data on waste streams in support of regional planning**
- **Organizing events, seminars, workshop for public and private sector operators**
- **Consultancy activities for public and private sector operators**



Integrated Waste Management: Strategies

1. Prevention and reduction of production waste (long-term goal)
2. Reuse, Recovery, Recycling (short-term goals)
3. Waste disposal

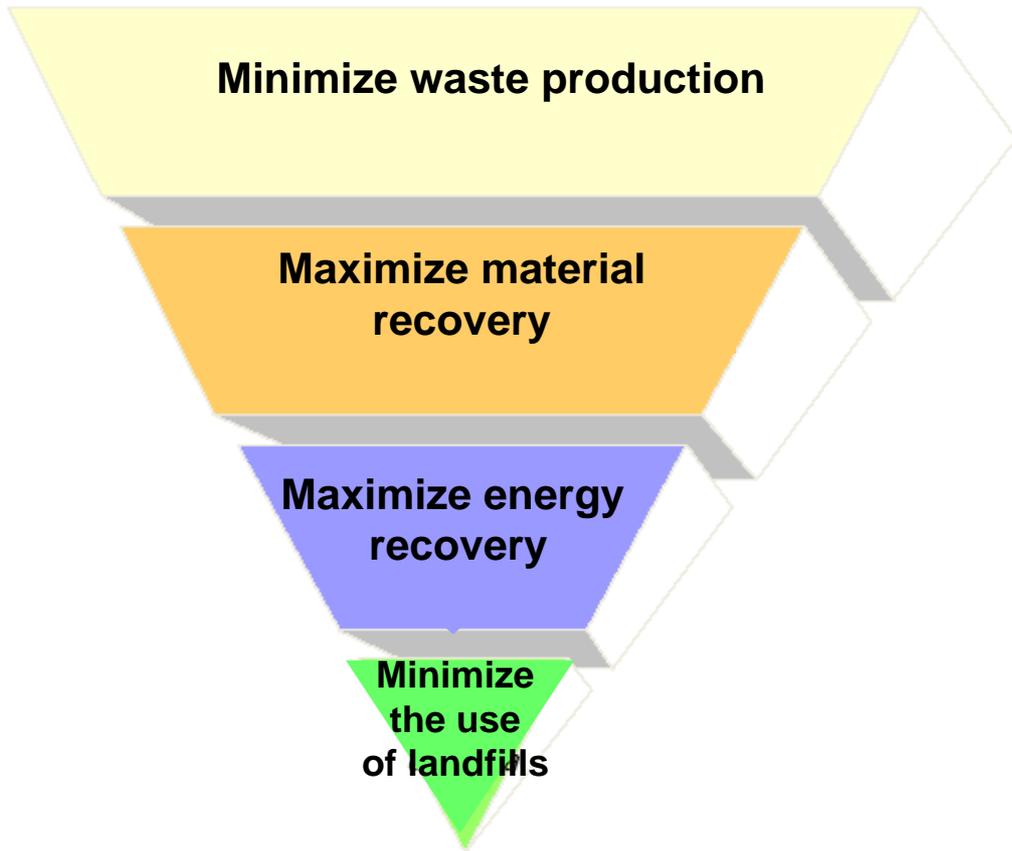


Increase in value of waste:
Source of matter and energy



Integrated waste management scheme

EU Directive 2008/98/CE



Example:
Activity
Home
composting



National regulations for reducing waste production

Legislative Decree 3.04.2006, n.152 and subsequent changes and additions (D.Lgs. 152/06 e s.m.i.) “Environmental Regulations”



“Prevention of waste production”

1. In order to promote as a priority the prevention and reduction of production and its harmfulness of waste:
 - The promotion of economic instruments, eco-balances, environmental certification systems;
 - The provision of contract clauses;
 - The promotion of agreements and contracts program or memoranda of understanding (MOUs).

The D.Lgs. 152/06 is now in modified to incorporate the new EU

Directive 2008/98/EC



Regional Law L.R. n. 45 of Dec 19, 2007 e s.m.i. “Standards for integrated waste management ”

Main Contents:

- *Actions to prevent and reduce production waste:* dissemination and promotion of the practice of home composting of food waste and garden;
- *Target separate collection and recycling:* sorting the topic Separate Collection throughout the region and sets targets, instruments, directives and guidelines for the exercise of their functions and those assigned to local authorities for control activities;
- *Promotion of reuse, recycling and recovery:* programs to encourage the use of soil and organic fractions stabilized for environmental interventions and to encourage the home composting for food waste and vegetable waste;



Regional Law L.R. n. 45 of Dec 19, 2007 and s.m.i. “Standards for integrated waste management ”

- *Biodegradable urban waste*, provides that the Regional Government shall issue appropriate directives to ensure effective recovery of biodegradable fractions (abbreviated as RUB in Italy)
- **Incentives and reward**: provides that the Regional Government may also grant funding to encourage home composting activities

The L.R. 45/07 and s.m.i. is now in modified to re-aligned with the EU Directive 2008/98/EC

The Regional Waste Management Plan (PRGR) is adjusted by 12 December 2013

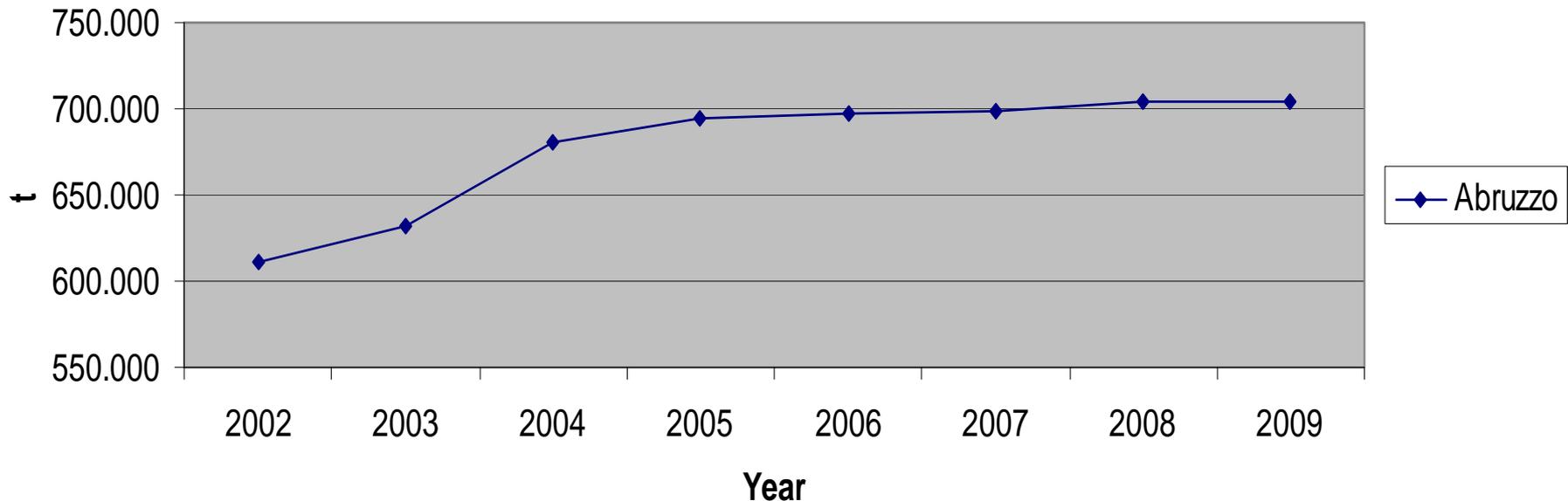


Main Problems in Abruzzo

- Increased production of waste reducing the residual capacity of landfills; actually it's stabilized
- Most of the organic fraction allocated to landfill

Production urban waste in Abruzzo 2002/2009

Production urban waste 2002/2009 - Abruzzo



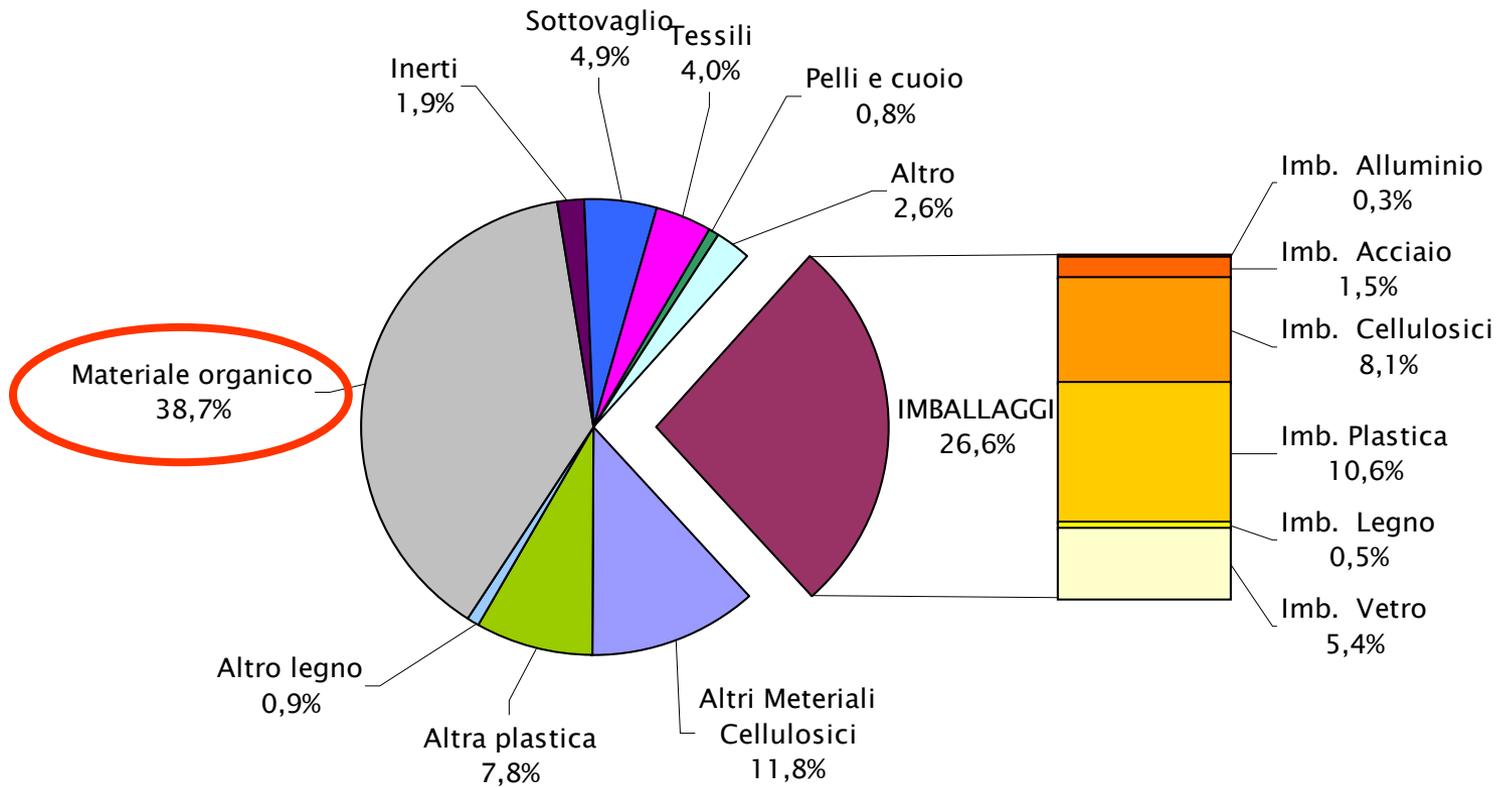
Fonte: ORR Abruzzo

The Abruzzo Region produces more than **700,000 tonnes** of urban waste. Unfortunately again, about **75%** of urban waste ends up in landfill



Merceological analysis in the main landfills in Abruzzo

Last merceological analysis (2007) of mixed waste in landfill showed:



More than **38%** of mixed urban waste is the organic fraction



Organic fractions: Sector policies in Abruzzo

Main Regulatory measures

“The path to integrated waste management ...”

Regional programs by LR 45/07

- Prevention and reduction of waste program "Reduce and recycle for a better life" **APPROVED** by DGR n. 1012 of 29 oct 2008
- Unique program for the development of separate collection and recovery **WRITING IN PROGRESS**
- Regional Program for the reduction of biodegradable waste (RUB) to be landfilled (art. 27, comma 1) – **OPERATING** (approved by L.R. 22/2006)
- Training programs for public and private sector **PROVIDES VOLUNTARY AGREEMENTS WITH ITALIAN CONSORTIUM (CIC, CONAI, etc.)**
- Agreements, program contracts and Memorandum of Understanding for the management of specific waste streams and to promote the use of environmental certification systems **OPERATING** more than n. 20 agreements signed by the Abruzzo Region with various subjects
- Regional directives on home composting activities **OPERATING**



Main Program Agreements and Memorandum of Understanding (MoU) in Abruzzo on the organic sector



Program Agreement between Abruzzo Region and CIC (Italian Consortium of Compost producers):

purposes:

- *promote the collection and processing of organic fractions from urban waste, agro-industrial and agricultural through the composting process in plants recognized by CIC;*
- *promote waste recovery, particularly organic waste through the Curbside collection (or Kerbside Collection in UK, Australia – Raccolta porta a porta in Italy)*
- *Promote the rapid implementation of Green Public Procurement Decree 203/2003 of composted soil in Abruzzo*



Quality trademark “Compost Abruzzo”

Under the Program Agreement between Abruzzo Region e CIC, the Abruzzo Region has approved trademark (brand) labeled “Compost Abruzzo” by **managerial determination DR 4/203 del 28/10/2009** (Published in BURA n. 49 Special Environment of 20/11/2009)

Logo as guarantee of quality compost from composting plants in Abruzzo:





Under the Program Agreement between Abruzzo Region e CIC, the Abruzzo Region has approved a **Operational Memorandum** labeled **“Demonstration fields”**

purposes:

- demonstration, the use of soil in cultivated land, in partial or total replacement of other fertilizers most commonly used
- Popular, to spread the use of quality compost in the normal course of agricultural farms
- educational and cultural activities to serve the educational institutions of agricultural and other educational establishments



Memorandum of Understanding (MoU) “Educational Sustainable Farms”

Memorandum of Understanding “*Educational Sustainable Farms*” between Abruzzo Region, ARSSA (Regional Agency for Agricultural Development Service Abruzzo) and CIC

purposes:

- identify and experiment with concrete forms of environmental sustainability including through the practice of home composting and waste collection to experience at companies in Abruzzo within Network “Educational Sustainable Farms”
- training activities of environmental education and communication
- assistance to companies for creating environmental teaching units, with particular reference to the practice of home composting and waste collection
- communication and promotional activities designed to inform and stimulate all civil society through brochures, meetings, conferences, etc.



Memorandum of Understanding “Mondocompost”

Memorandum of Understanding “Mondocompost” between Abruzzo Region, Ecoistituto Abruzzo (Environmental Education Center)

Purposes:

- Implement an experimental communication project for the promotion of home composting in Abruzzo
- Promote the establishment of a task force to the practice of home composting in the Region
- building a community of interest in the practice of composting in the Region



Abruzzo Region - Italy Regional Waste Monitoring

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Thanks for your attention!!