

From waste to sustainable materials management - towards a resource efficient Europe

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Content

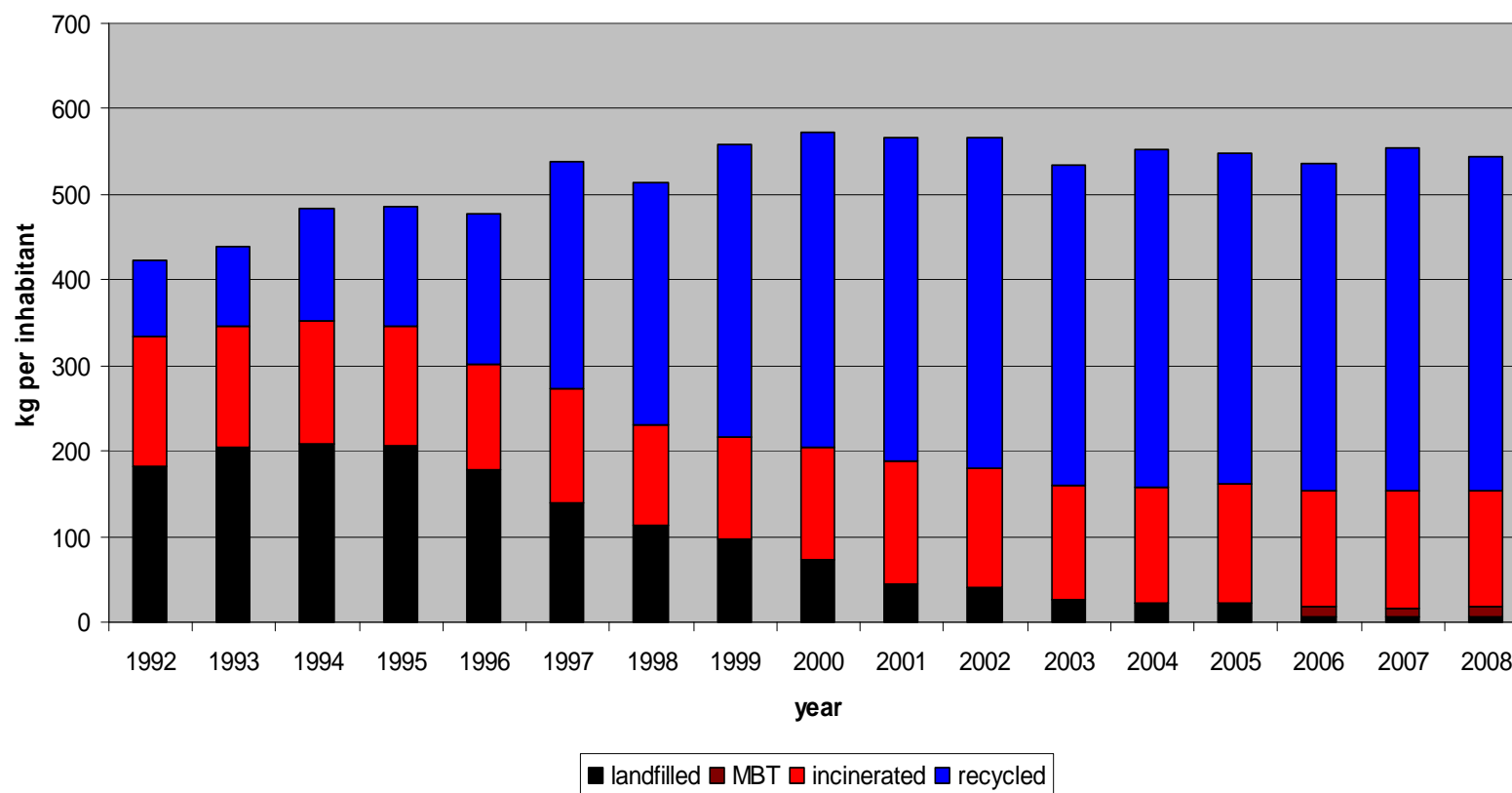
■ Sustainable Materials Management

- Why?
- What?

■ Belgian Presidency of the EU and SMM

- Informal Council
- OECD
- Council conclusions
- SMM in practice...

Quantities of household waste generated and treated in Flanders



Factors of success: mix of instruments, on all steps of the hierarchy

- **Landfilling:** landfill ban and taxes
- **Incineration:** incineration ban, taxes and capacity planning
- **Recycling:** separate collection, extensive collection schemes, polluter pays principle, communication, targets, extended producer responsibility, end of waste criteria
- **Reuse:** extensive network of reuse centres
- **Prevention:** communication, subsidies and waste collection charging

Main challenges

- Further reduce landfilling of combustible industrial waste
- Step up recycling of industrial waste
- Reduce the amount of waste produced
- Reduce the environmental impact over the complete life cycle (resource efficiency)
- Create sustainable material cycles in a finite world

End of life
approach



fully integrated
approach

New developments...

- Globalisation of waste/materials markets
- Climate change - decreasing biodiversity - resource scarcity have become crucial topics
- Different policy frameworks are coming together
 - waste policy (life cycle thinking, end of waste/byproducts, energy recovery, prevention and ecodesign)
 - product policy (ecodesign, REACH)
 - energy policy (renewable energy, energy efficiency)
 - economic and innovation policy (resource scarcity)
- Shift in responsibilities (consumers, producers, waste handlers, authorities)

...require new approaches

- Life cycle thinking
- Chain management approach
 - promote cooperation between different actors in a material cycle
- Create new markets
 - green public procurement
 - standard setting
 - product criteria
 - internalisation of costs
- Promote new business models
 - product/service combinations
 - supply chain management
- ecodesign of products and material cycles

...and new paradigms

- From “how do we treat waste in an environmentally sound way”
 - **Waste management**
- To “how can we make the best possible use of the finite materials we have available?” and “how can we design material cycles for eternity?”
 - **Materials management**

Sustainable Materials Management

■ What?

- Move beyond the recovery of waste to material cycles that are managed in such a way that they deliver the services we need without irreversibly damaging our ecosystems
- Using natural resources, raw materials, products and waste as efficiently and as environmentally responsible as possible



Belgian presidency of the EU and Sustainable Materials Management

- 1 July 2010 - 31 December 2010
- SMM= One of the four priorities for Environment
- Link with/support for the 'Resource efficiency' flagship as part of the EU2020 strategy of the European Commission
 - delivery of smart, sustainable and inclusive growth
 - economic growth is decoupled from the use of resources
 - using natural resources, raw materials, products and waste as efficiently and as environmentally responsible as possible

Belgian presidency of the EU and SMM

■ Different initiatives during the Belgian presidency

- Informal Council 12-13 July 2010
- OECD-meeting 25-27 Octobre 2010
- Council Conclusions December 2010

Informal Council, 12 - 13 July: outcome

■ Integration

- from fragmented policies to integrated approaches

■ Innovation

- from incremental technological innovation to fundamental systems innovation

■ Vision

- from short term policy and basic indicators to long term strategic goals and comprehensive indicators for SMM

<http://www.eutrio.be/pressrelease/necessity-using-materials-sustainable-way>

OECD Global Forum on Environment - SMM

■ **25 - 27 October 2010, Mechelen**

■ **Objective**

Present clear policy recommendations on how to best implement a sustainable materials management policy

■ **5 sessions**

- Good SMM Practices in Priority Materials
- Innovative SMM Practices in het Private Sector, Governments and NGO's
- Putting SMM into a Broader Perspective
- Policies for Implementing SMM
- Concluding Panel

Council Conclusions

- Formal Council for Environment
- 20 december 2010
- Council working groups: October/November 2010

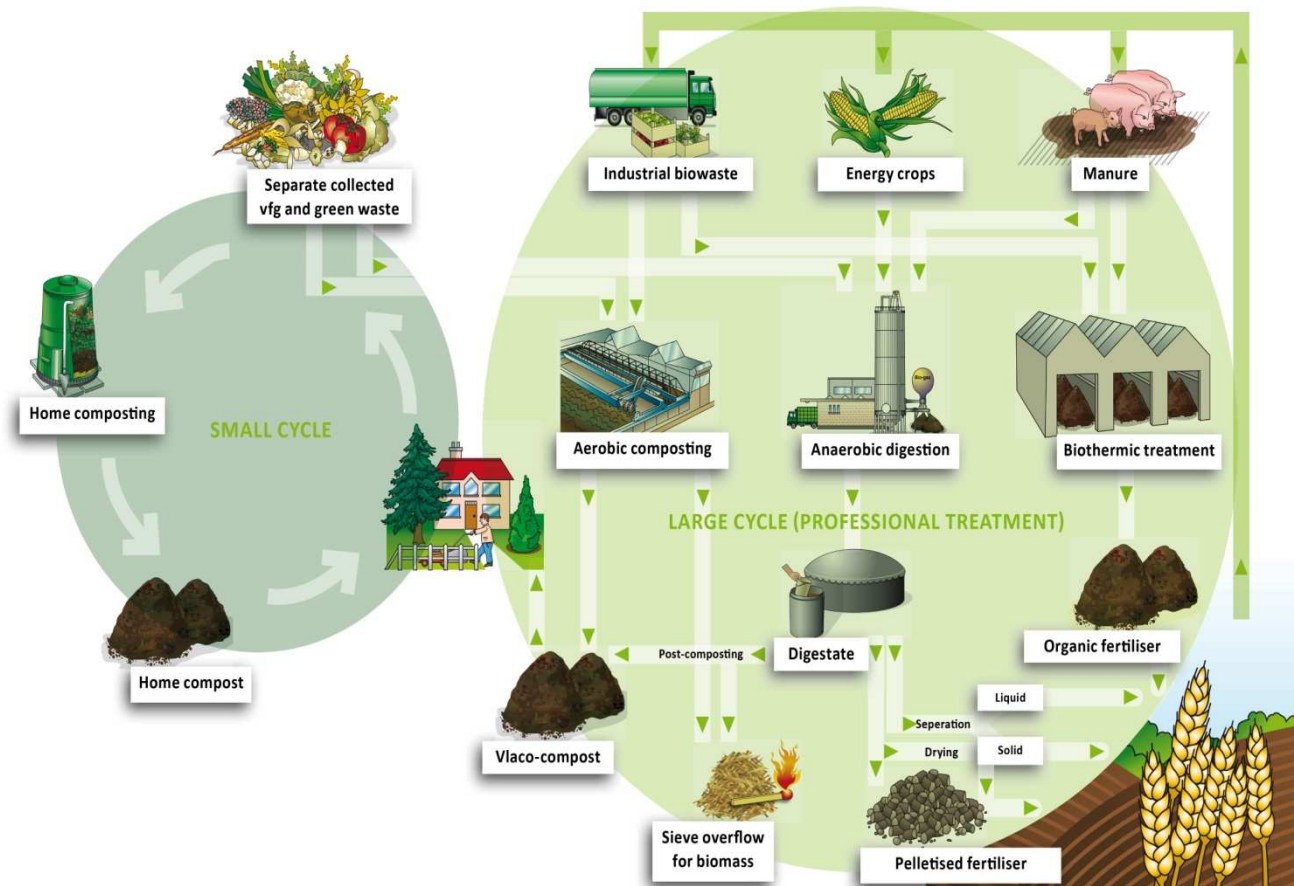
SMM in practice ...



- ... Sustainable Management of bio-waste
- Bio-waste conference - 21 september 2010
‘Don’t waste your bio-waste’
- Harmonisation at EU level
- Stressing the positive effects of sustainable management of bio-waste using an integrated approach

<http://www.ovam.be/jahia/Jahia/pid/2118?lang=en>

Sustainable Materials Management in Practice



More information

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