







Waste Prevention in the context of Local Plans: prospects and constraints

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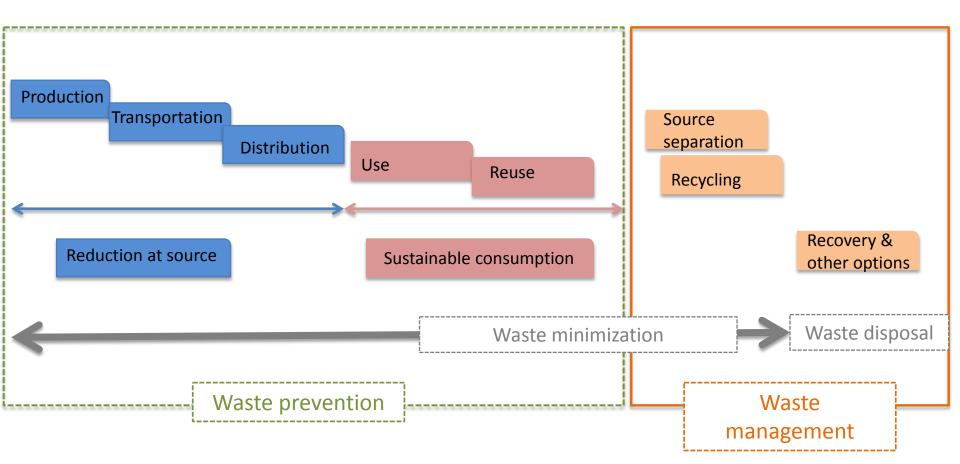


Structure of the presentation

- Scope of this study
- Definitions Background
- Waste Prevention Plans and Strategies
- The WASP Tool project
- Lessons learned







Background :



According to the revised Waste Framework Directive, waste prevention embraces all the measures taken before_a substance, material or product has become waste, that reduce the:

- the quantity of waste,
- the adverse impacts of the generated waste on environmental and human health, and
- the content of harmful substances in materials and products.





A common point of dispute in the aforementioned (and any other) definition is the word **"before"**, as it raises boundary issues.

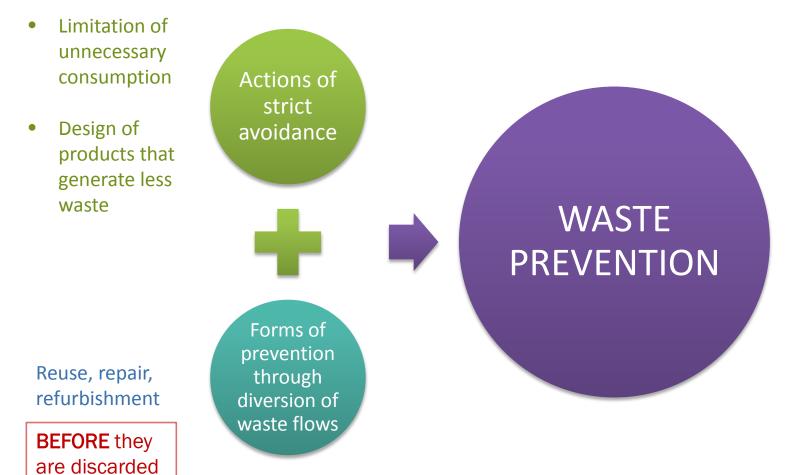
Difficult to discern when a material/product exits its useful life and enters a plain where it is treated as second hand material/product or waste.













In EU the WFD stipulates Member States to prepare and introduce Waste Prevention Plans (WPP) by the end of the year 2013, attempts to clarify the end of waste criteria, to take measures for separate collection of biowaste and enhances the extended producer responsibility.

An efficient WPP has to comprise all materials and products flows, from cradle to their discarding.



The waste prevention strategies implemented worldwide can fall in three categories:

- informational (awareness campaigns, provision of information, training sessions, labelling),
- promotional (promotion of reuse and repair, environmental management systems, clean production and consumption, voluntary agreements) and
- regulatory (EPR, taxes, green public procurement, eco-design, measures such pay-as-you-throw).

However, independently of their category, they should aim at changing attitudes and behaviours towards waste generation.



Local Authority Prevention Network (LAPN)

Ireland – Environmental Protection Agency

"The LAPN is a key component in continuing to build capacity in local authorities for the promotion of resource efficiency and waste prevention at a local and grassroots level for the benefit of their localities."

http://localprevention.ie/

Indicatively

Best practices





Significant achievements:

- 2,300 tonnes waste prevented or
 - diverted; 37,500 m³ water consumption reduced; 1,530,000 kWh energy savings;
- €873,000 direct cost savings;

APN

 1,100 people trained (26 have completed the HETAC Accredited Waste Prevention Course); 85 different premises involved in prevention, 295 audits conducted.



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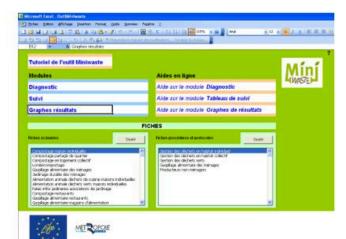
Developed through EU funding programmes



📂 Miniwaste tool

Miniwaste tool aims to support communities in charge of waste prevention on their territory, to define, implement and evaluate actions to reduce organic waste.

To download the file to your computer, follow the instructions





The project



The WASP Tool project (LIFE 10 ENV/GR/622) WASP stands for Waste Prevention

"Development and Demonstration of a Waste Prevention Support Tool for Local Authorities"

The project was co-funded by the European Union LIFE+ programme



Duration: 01.10.2011 to 30.09.2014 Project location: Greece and Cyprus





Project partners:



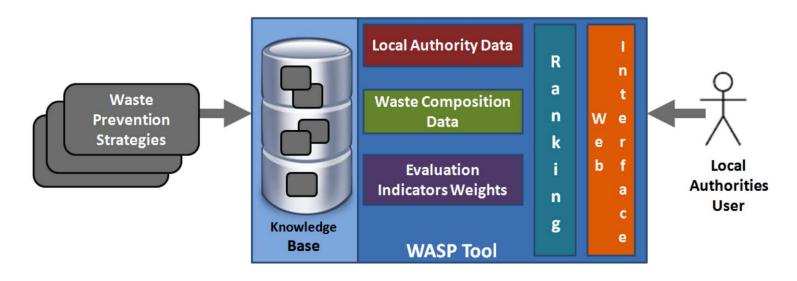


Design and Development of the Waste Prevention Decision Support Tool (WASP Tool)



design and development of the WASP-Tool

Architecture of WASP Tool



To assist LA's to prepare and/or improve their waste prevention strategy



Design and Development of the Waste Prevention Decision Support Tool (WASP Tool)



design and development of the WASP-Tool

Indicators used in the WASP-Tool

- reduction of the produced waste quantity (tn/year)
- potential CO₂ reduction (kg/year)
- waste diverted from landfilling (tn/year)
- implementation cost (5-year in €)
- number of employment positions created
- implementation difficulty (scale 1-3)
- required citizen behavioural change (scale 1-3)
- appropriateness for application on a local level (scale 1-3)

The **target materials** (for example, biowaste, metal, plastic etc) for each waste prevention strategy are indicated

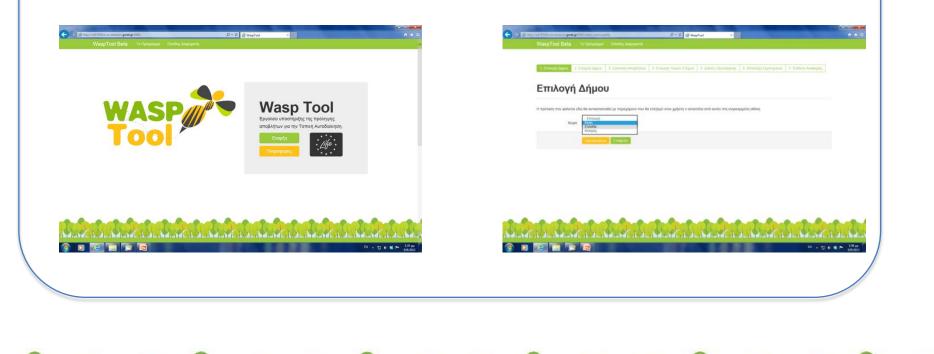


Design and Development of the Waste Prevention Decision Support Tool (WASP Tool)



design and development of the WASP-Tool

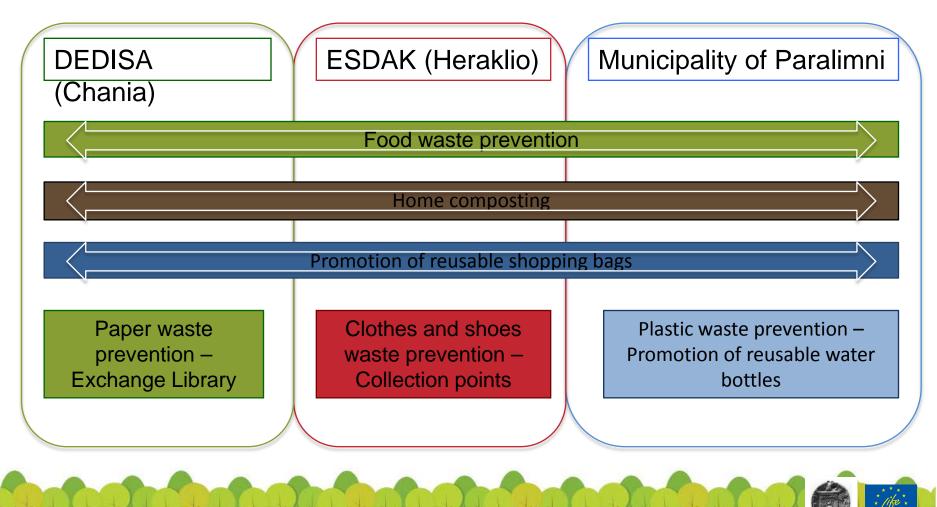
WASP Tool is designed for **non-expert users**; for this reason, optimal values for each step of the process are predefined in the system.



Implementation of the selected waste prevention actions



The Interventions



Food waste prevention intervention

WASP

- Workshop/seminar
- Green cuisine
- Food waste questionnaires and diaries
- Leaflets
- Information
 material







«Ανάπτυξη και Επίδειξη ενός Εργαλείου Υποστήριξης της Πρόληφης Αποβλήτων για την Τοπική Αυτοδιοίκηση»







Home composting intervention







- Workshop/seminar
- Demonstration
- Composting diaries
- Monitoring
- Leaflets
- Information material









Οικιακή Ναμποστοποίησηι η Παίον Προσωτική και Συμμεταχική Δισδικασία των Αστικών Στεριών Αποβιλήτων

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Promotion of reusable shopping bags







- Awareness raising campaign
- Leaflets
- Information material
- 15,000 pieces (Heraklio)
- 2,000 pieces (Chania)
- 1,500 pieces (Paralimni)







Promotion of reusable water bottle / Exchange Library / Clothes-shoes collection points







• 4 stands /321 books



 101 clothes collection points



Development of the "Waste Prevention Network"

Establishment of a

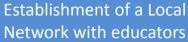


Web 2.0 tools in order to create interactive spaces in which Local Authorities can use to encourage and stimulate debate around the waste life-cycle and its management performance













Wasp Forum A she had to dearbe over lower











- The acceptance and successful implementation of a strategy depends on:
 - the policy and the financial circumstances of the State,
 - the behaviour and attitudes of the public and
 - the involvement of the suitable stakeholders.
- A good elaboration of the waste prevention strategies plays a crucial role in the successful implementation of a Waste Prevention Plan.





Thank you for your attention!

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Harokopio University





http://wasptool.hua.gr