



# **SOLID WASTE CLUSTER**

## **From Wallonie**





# CLUSTERING: AN INNOVATIVE CONCEPT

More than 50 Members

- **Small companies:** flexibility, speed, innovation
- **Large organisations:** power, stability, financial resources
- + Experts, Constructors, Contractors, Research centers...
- + Able to reply alone or in synergy with others
- + To a global demand or a specific problem
- + In the solid waste sector
- + **Support from VAL+ expert if requested**



## AN OPPORTUNITY

### SOLID WASTES ARE:

- ✚ A WORKABLE DEPOSIT OF MATERIALS
- ✚ HAVING AN **ECONOMIC VALUE**
- ✚ SEEN ON A SUSTAINABLE PERSPECTIVE
- ✚ FOR A BETTER ENVIRONMENT & A BETTER LIFE

(VAL)<sup>+</sup>

## All kind of wastes...

- + Non hazardous industrial wastes
- + Domestic wastes
- + Hazardous wastes
- + Packaging
- + Green wastes
- + Construction/demolition wastes
- + Polluted soils
- + Urban, dredging and industrial sludges
- + Electric & Electronic wastes
- + Special wastes
- + Asbestos
- + Hospital wastes (micro-waves cleaning)
- + ...



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# WASTE LIFE CYCLE & VAL+ Expertise

- ✚ Collection
- ✚ Transport
- ✚ Sorting
- ✚ Valorisation (material)
  - RDF = Refused Derived Fuels
  - Electric & Electronic Wastes
- ✚ Valorisation (energy)





- ✚ Composting
- ✚ Biomethanation
- ✚ Polluted soils treatment & groundwater decontamination
- ✚ Contaminated soils inertification
- ✚ Sludges valorisation
- ✚ Landfilling – landfill construction & operation
- ✚ Sites rehabilitation
- ✚ LFM = Landfill Mining – old dump remediation
- ✚ ...



(VAL)<sup>+</sup>

## Wastes policies

- ✚ Capacity Building
- ✚ Master Plans
- ✚ FEASIBILITY STUDIES
- ✚ « Good » & « Best Practises »
- ✚ Third Party Independent Control
- ✚ Risk analysis
- ✚ Economic/financial/technical advises
- ✚ Market analysis
- ✚ Carbon footprint & Life Cycle approach

$(VAL)^+$

## Wastes policies

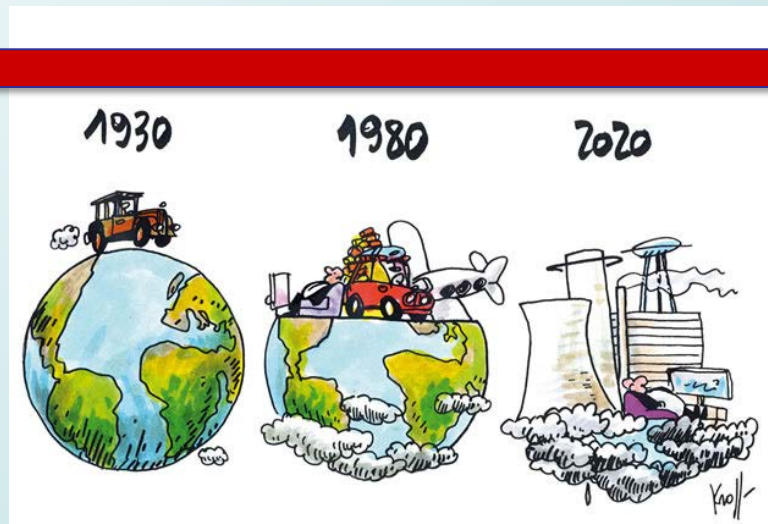
- + CDM & carbon credits
- + Low Carbon Strategies
- + Reducing wastes strategies
- + Design / construction / exploitation of sustainable recycling activities
- + Sustainable Development Indicators & SD Strategies
- + Industrial ecosystems
- + ...



# (VAL)<sup>+</sup>

## CIRCULAR ECONOMY

- + New business models
- + C2C
- + ZeroWaste
- + Circulathon™: “The One-Stop Hub for Circular Economy Projects”
- + Prospective: creating your future



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## **MEMBER'S OFFERED SERVICES:**

- + Technical and Financial Projects
- + General contractors
- + Subcontractors
- + Equipment suppliers
- + Experts
- + Or environmental consultant...



## WE SEARCH:

- ✚ Opportunities to work with similar organisations
- ✚ Common R&D projects
- ✚ Business development for our members and local partners
  - ✚ In Wallonia
  - ✚ Abroad



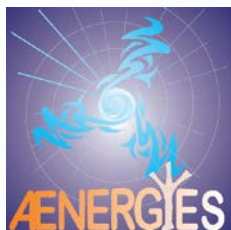
## **SOME MEMBER'S REFERENCES:**

- ✚ Albania, Macedonia, Kosovo, Moldova...:  
several feasibility studies related to
  - ✚ Domestic waste management
  - ✚ Industrial site rehabilitation (Elbasan)
  - ✚ Industrial landfill rehabilitation

**BELGARENA** S.A.  
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Thank You!

 **sanifox**  
APPLIED HYDROGEOLOGY



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