





European Union European Regional Development Fund

Šaľa region, waste management and vision for the future



Šaľa Region







Area: 355,9 km² Inhabitants: 54 095 (1.1.2007) Density: 152 obyvateľov na km² Towns: 1 Villages: 12

MSW 20 000 tons/y (50% town Šal'a, 50% other villages) Recyclables – paper, plastic, glass 5% of total wolume Green waste composting – 2000 tons/y







MSW statistics – Šaľa district



25 000-20 000-□ 2005 15 000-2006 [t] 2007 2008 10 000-2009 5 000-0-Energy recovery Landfilling Other disposal Recycling Other recovery





Waste management

Each municipality is responsible individually for MSW management
Waste management plan for whole republic expired – no update yet
No regional integrated approach to waste management

Challenge

is to recognise and utilise local (regional) specific synergies of industry, Municipalities and Waste management companies

Big players here:

SITA Slovakia (Suez group – France)
A.S.A (F.C.C. group – Spain)
Marius Pedersen (Veolia group – France)

WHY they do nothing???

Answer: They are more cost effective than environmentally efective









Šal'a region – synergies and possible development to W2E



Chance for synergies and integrated waste management

** * * * * European Union ERDF

- Common approach on municipal regional level
- Negotiation with strong industrial partners
- – (Duslo, Thermal plants, cement plants, Waste service provider...others?)

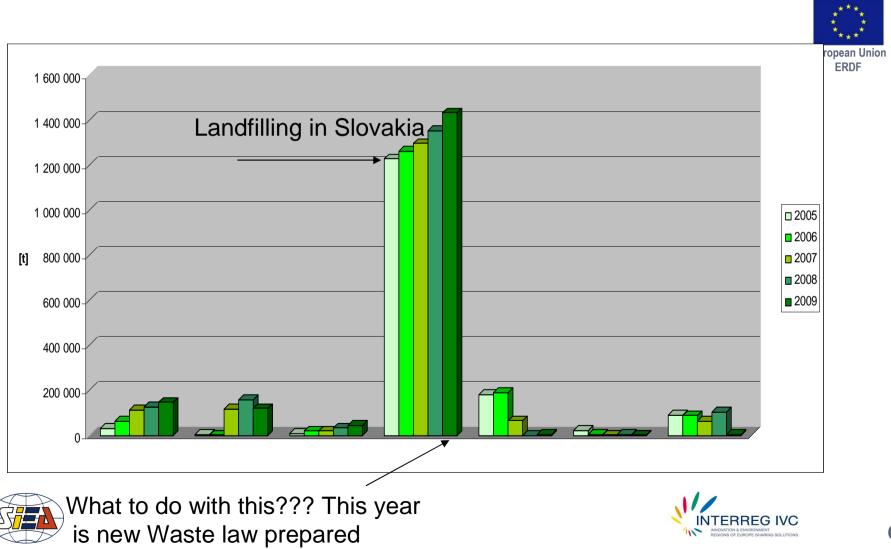
Duslo – chemical plant produces fertilizers and rubber (tyres) production additives Important – incinerator with free capacity (Is there possibility to burn part of MSW? Nobody knows...

- 1. W2E project can help at least to investigate and recognize possibilities of region
- 2. Look for synergies only inside but outside with other regions as well
- 3. Looking for better solutions as we have today
- 4. Finally to give to stakeholders and decisionmakers tool, which

To gives ideas how to proceed in waste management order to achive economical and environmental sustainability



...not Šaľa only...SK situation



WtE Nehlsen – Stavenhagen (D)







El. En. – 10MWe 100 000 tons RDF /y Steam is used in close plant for potatos Chips production - Pfanni





WtE AVN Zwentendorf - Austria MSW 300 000t/v – effective conection with thermal powerplant





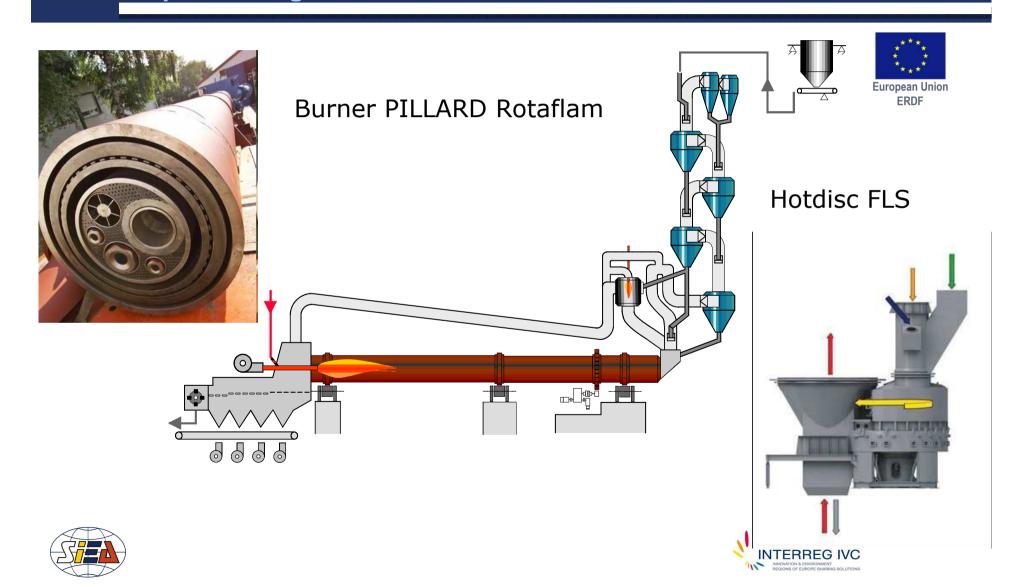
Steam is from WtE delivered to thermal powerplant





Modern technologies in cement industry for Waste coprocessing







WtE AVN Zwentendorf - Austria MSW 300 000t/v – effective conection with thermal powerplant





Steam is from WtE delivered to thermal powerplant



















E.ON – Norrkoping powerplant and co-incineration of waste











Thank you for your attention



...small people can do big things...

FISKEBY papermill – coincineration of industrial and municipal waste for energy for their paper production



