

Landfilling as part of regional waste management plans

Madara Briede,
Ministry of Environment,
Latvia

Content of presentation

- Waste management planning in Latvia
- Structure and content of regional waste management plans
- Landfills and dumpsites as part of regional waste management plans
- Implementation of regional waste management plans

Experience in waste management planning in Latvia

- National strategy for management of municipal waste, 1998.-2010.
- Strategy for management of hazardous waste 1999.-2004.
- Directive-specific implementation and financing plans (directives 94/62/EC, 1999/31/EC; 91/689/EC);
- State Waste management plan, 2003.-2012. (approved 2002);
- State Waste management plan 2006.-2012 (approved in 2005)
- Regional waste management plans 2006(2007) – 2013.

Scope of the waste management plans

In accordance with Waste Management Law, there are :

- 1) waste management plan at state level – prepared by Ministry of Environment;
- 2) regional waste management plans – prepared by Ministry of Environment in co-operation with municipalities;
- 3) local waste management plans, if municipality decides not to participate in preparation of regional plan – prepared by relevant municipality;

Scope of waste management plans

- In accordance with Waste Management Law, waste management plans at all levels shall contain information on:
- existing situation of waste management (types and amounts of waste generated, collected and managed);
- planned for improvement of waste management services,
- necessary infrastructure;
- Responsible institutions;
- financing,
- requirements for the management of certain waste streams;
- closure of existing dumps

Structure of Regional Waste Management Plans

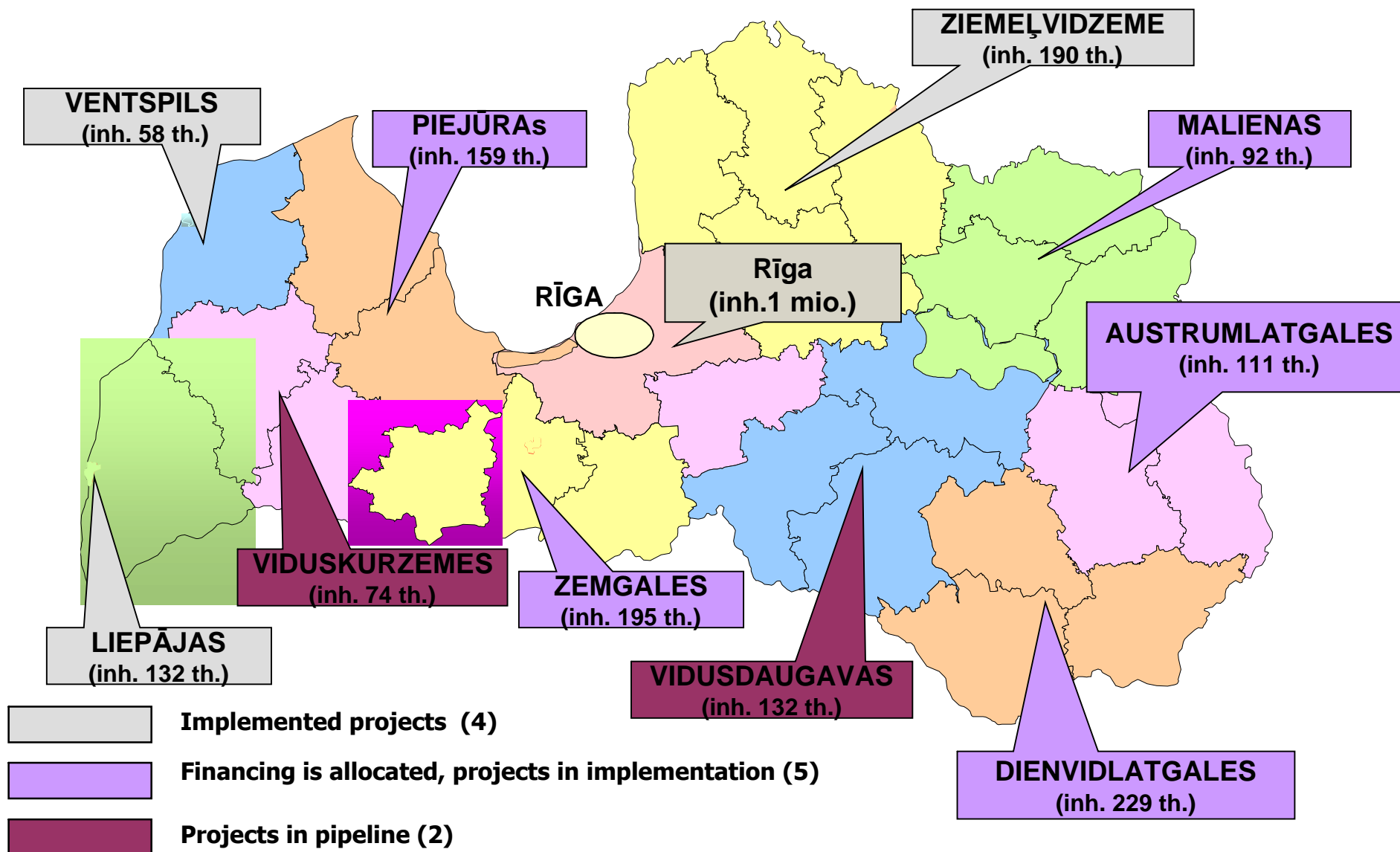
- Goals, directions, tasks, expected results
- Description of existing situation in waste management (municipal waste, hazardous waste, packaging, biodegradable waste, PCB/PCT, batteries&accumulators, oil waste, medical waste);
- Necessary activities to reach goals of the plan (construction of landfill, closure of dumps, improvement of waste collection and transportation services, public awareness raising)
- Implementing institutions
- Financing (sources of financing, investments, operational costs, calculation of fee);
- Supervision of implementation of plan
- Review of plan

Provisions of waste management plans regarding disposal of waste

- Goals of State Waste Management Plan 2006-2012:
 - To establish 10 new landfills for disposal of municipal waste by 2009;
 - To close existing dumpsites by 2009 and to re-cultivate them by 2012;

Above mentioned goals are implemented by Regional waste management plans, where are included more detailed provisions regarding construction of landfills and closure of dumps, in particular, financing and sources of financing.

Municipal waste management projects (status 2006)



Landfills as part of regional waste management plans

- Landfilling is recognised as most important disposal option;
- Closure and recultivation of dumps;
- Dumps as historically polluted areas;

	2005.	2009.	2013.
Re-cultivated dumps, number	160	446	526
Established landfills	4	10	10
Established waste collection points	900	2000	5000
Population having access to waste management service	60%	80%	90%

Waste management projects 2000 - 2006

Project	Implementation	EU assistance, mio. EUR
2001		11.50
Ventspils	2001 - 2004	3.03
Liepājas	2001 - 2006	5.10
Ziemeļvidzeme	2001 - 2004	3.37
2003		7.90
Austrumlatgale	2003 - 2007	3.70
Dienvidlatgale	2003 - 2007	4.20
2004		9.85
Maliena	2006 – 2008	4.57
Zemgale	2006 - 2008	5.28
2005		22.44
Piejūra	2007 – 2009	15.95
Hazardous waste management system	2006 – 2008	6.49
Total		51.70

Implementation of regional waste management plans

- Implementation of regional waste management plans is linked to the National Program for Cohesion Fund;
- In more advanced regions where landfills have been already established, more attention is paid to the further development of landfills – improvements of operation, leachate treatment, collection of landfill gas;
- In most regions landfills are in construction;
- In time period from 2007-2013 construction of 1 more landfill has to be commenced;
- Possible solutions for region where there will be no landfill;
- More attention will be paid for the set-up of waste collection and sorting facilities;