



Lithuanian policy in waste management sector

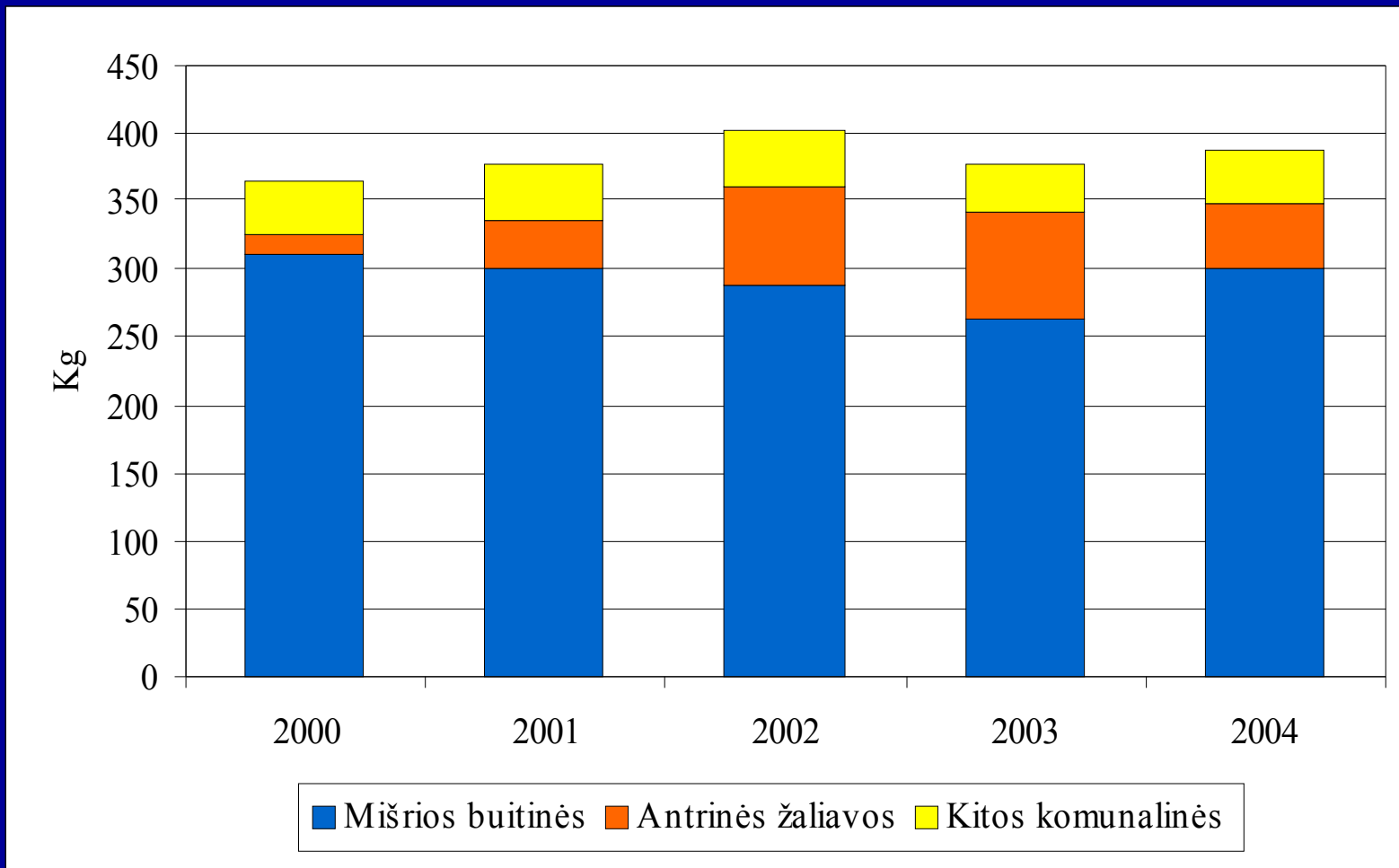
Dalia Židonytė

Chief Desk officer of Contaminated Areas and Waste Division

Laura Mačiulytė

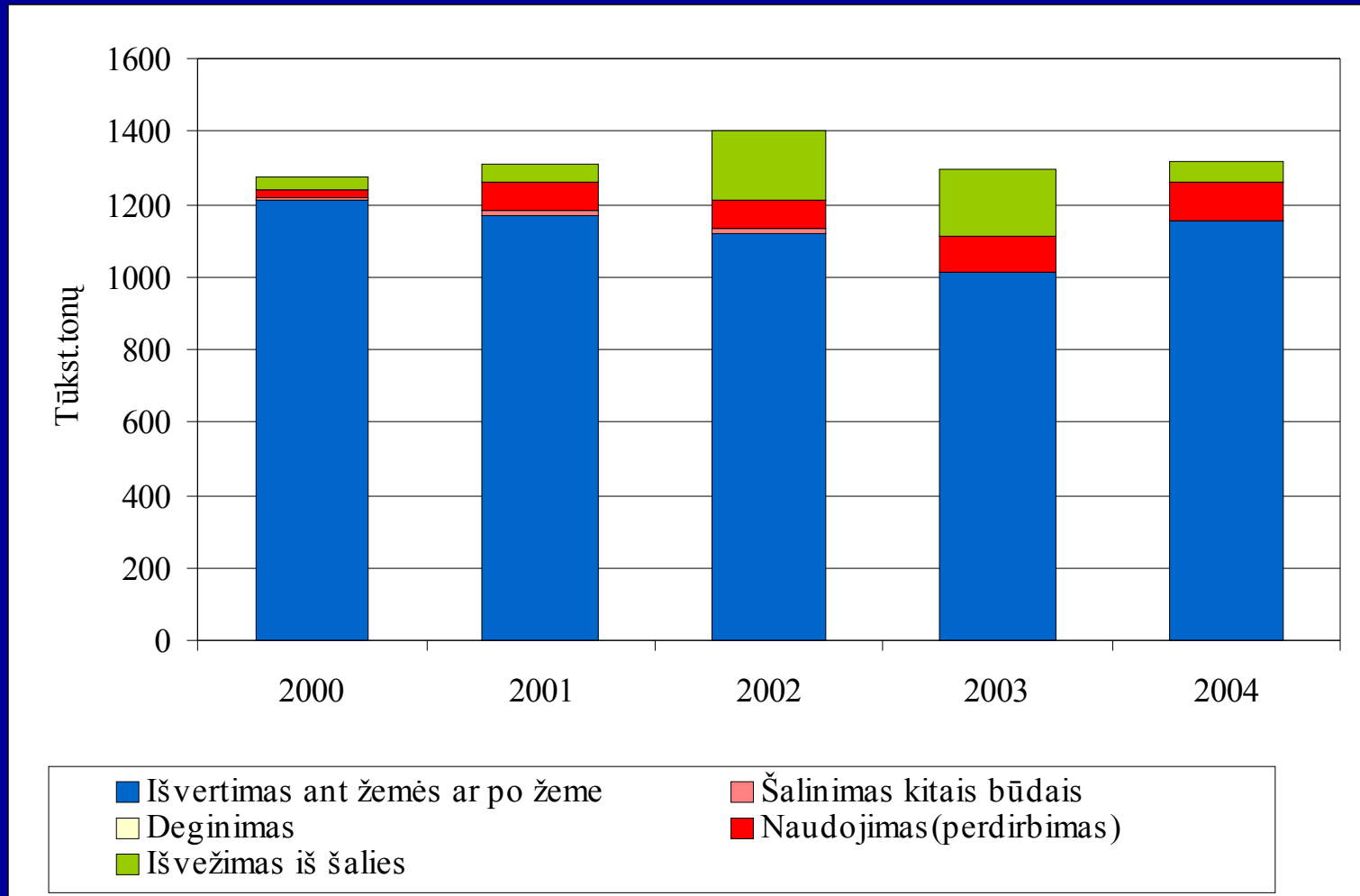
Chief Desk officer of EU Funds Management Division

Generation of Municipal Waste (per capita)





Management of Municipal Waste





Composition of Municipal Waste

- **Waste for energy production - 75 %**
- **Recyclable waste (plastic, glass, metal paper/cardboard) - 35 %**
- **Non-recoverable < 10 %**
- **Biodegradable waste > 40 %**



Municipal waste landfills

- *More than 800 existing landfills*
- More than 300 landfills in operation
- About 680 small (< 1 ha) landfills
- ~ 120 medium-size (1 – 5 ha) landfills
- 35 large (> 5 ha) landfills
- One landfill serves ~10 thousand inhabitants on average
- Most of the landfills are poorly designed and constructed



Strategic plan

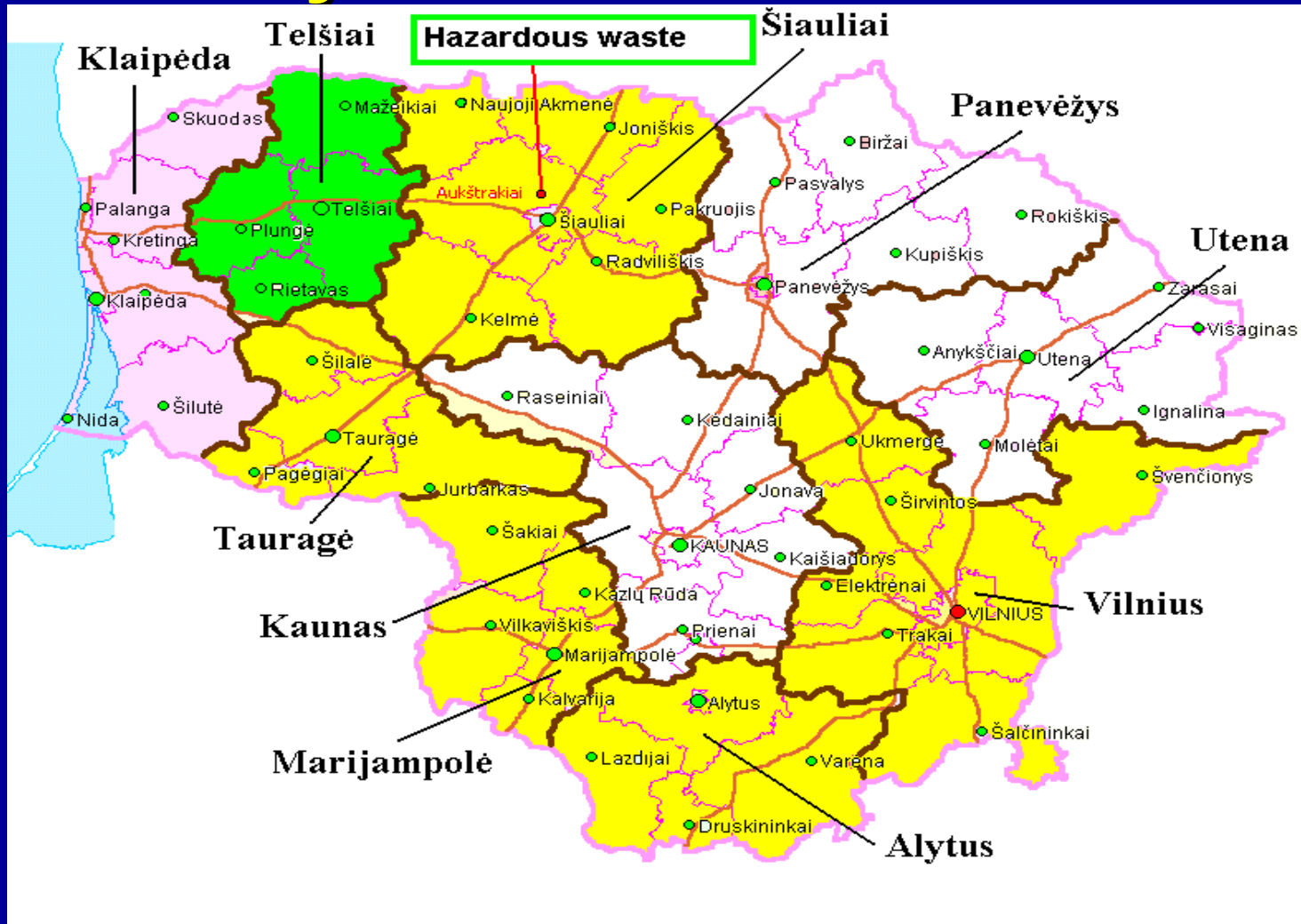
- **Disposal of municipal waste only in controlled landfills - 2009**
- **Recovery of biodegradable municipal waste – starting from 2010**
- **Closure of existing landfills – 2012**
- **Capacities for management of sludge from waste water treatment plants - 2012**
- **Energy production from mixed municipal waste – starting from 2013**
- **Recovery of 50 % of municipal waste - 2013**
- **Disposal in landfills of treated municipal waste only - 2020**

Regional Waste Management Systems



- **10 RWMS**
- **First step:**
 - **Construction of new landfills**
 - **Closer of existing landfills**
 - **Development of waste collection infrastructure**
 - **Funds for implementation – 500 million LTL (approved projects)**
- **Second step:**
 - **Biodegradable waste collection and recovery**
 - **Incineration**
 - **Funds for implementation – 900 million LTL in 2007-2013**

Regional waste management systems in Lithuania





EU support in 2000-2006

- ◆ ISPA (Instrument for structural policies for pre-accession).
- ◆ Cohesion fund.
- ◆ Structural funds (European Regional Development fund).



ISPA support in waste sector (2000-2003)

- ✿ for implementation of the most expensive EU directives in Lithuania (public sector);
- ✿ for implementation of “polluter pays” and “sustainable development” principles;
- ✿ supported objects: construction of regional landfills, construction of civic amenity sites, construction of composting sites, construction of transfer stations, closure of old landfills and dumpsites, development of hazardous waste management infrastructure etc.;
- ✿ In 2000 – 2003 ISPA support was approved for 8 projects. Total value of the projects was about 97 mln. Euro.

Cohesion fund support in waste sector (2004-2006)



- for implementation of the most expensive EU directives in Lithuania (public sector);
- for implementation of “polluter pays” and “sustainable development” principles;
- supported objects: construction of regional landfills, construction of civic amenity sites, construction of composting sites, construction of transfer stations, closure of old landfills and dumpsites, treatment of past pollution etc.;
- In 2004-2006 Cohesion fund support was approved for 3 projects. Total value of the projects was about 51 mln. Euro.
- ◆ In 2004-2006 ISPA project „Hazardous waste management in Lithuania“ was appended with a new component „Treatment of past pollution“. The value of this component is 10 mln. Euro.



Structural fund support in waste sector (2004-2006)

- ◆ Management of polluted areas and their clean-up / re-cultivation, acquisition of relevant equipment.
- ◆ Education and information of the society, introduction of measures to enhance the accessibility to information sources, creation of environmental management information systems, introducing training programmes and etc.



EU support in 2007-2013

- ♦ Finalisation of development of regional waste management systems (closure of old landfills and dumpsites);
- ♦ Development of modern technologies (waste incineration, production of biogas etc.);
- ♦ Management of polluted areas and their clean-up.