



Integrated Water Resources Management in River Basin Districts in Lithuania

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Integration – now a Key Concept in Water Management in Lithuania

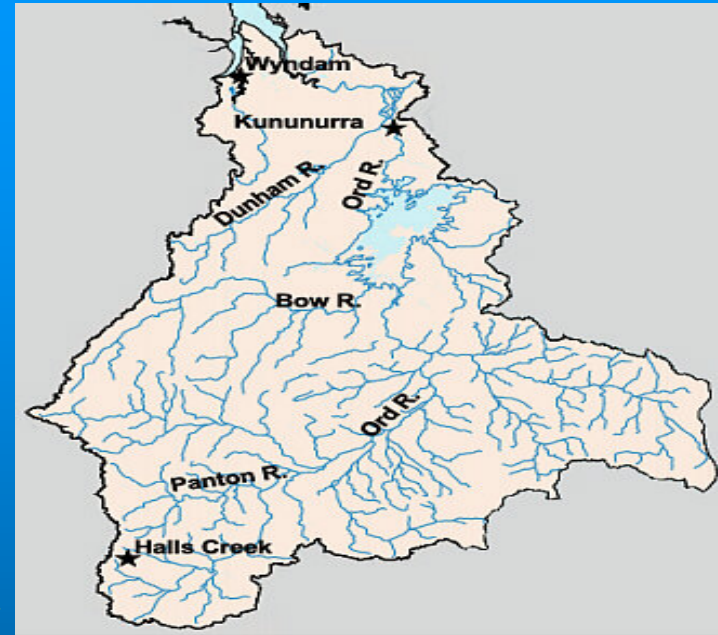
INTEGRATION of:

- all substances
- all significant polluting activities and all significant pollution sources (diffuse and point)
- all waters (ground and surface) and dependant ecosystems
- Chemistry and biology in assessing the health of water bodies (ecosystems)
- Economic assessment in the majority of stages of water management
- Public and stakeholders in water management
- Water management is organized on the basis of River Basin District (RBD) as a teritorial management unit

River Basin Management



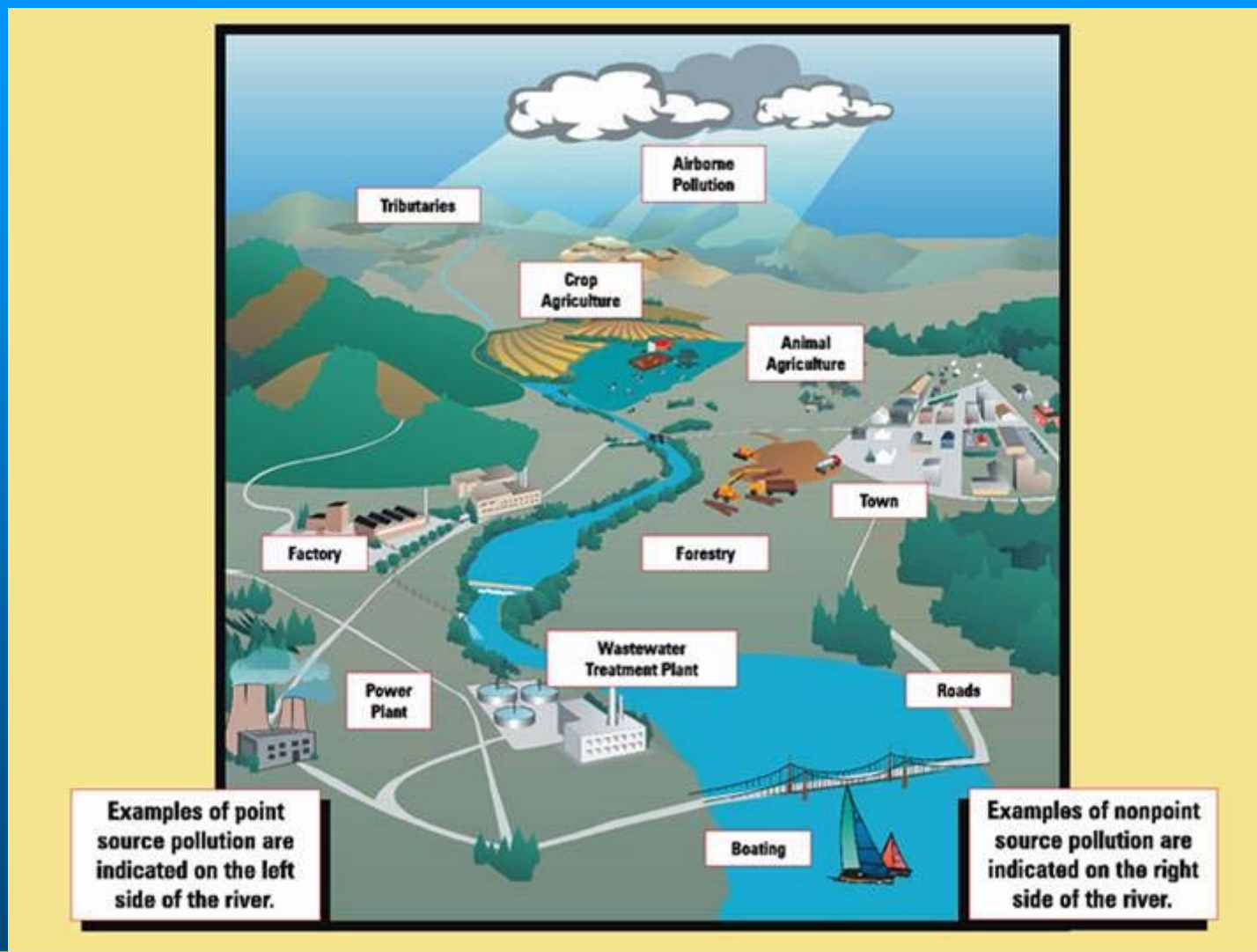
or



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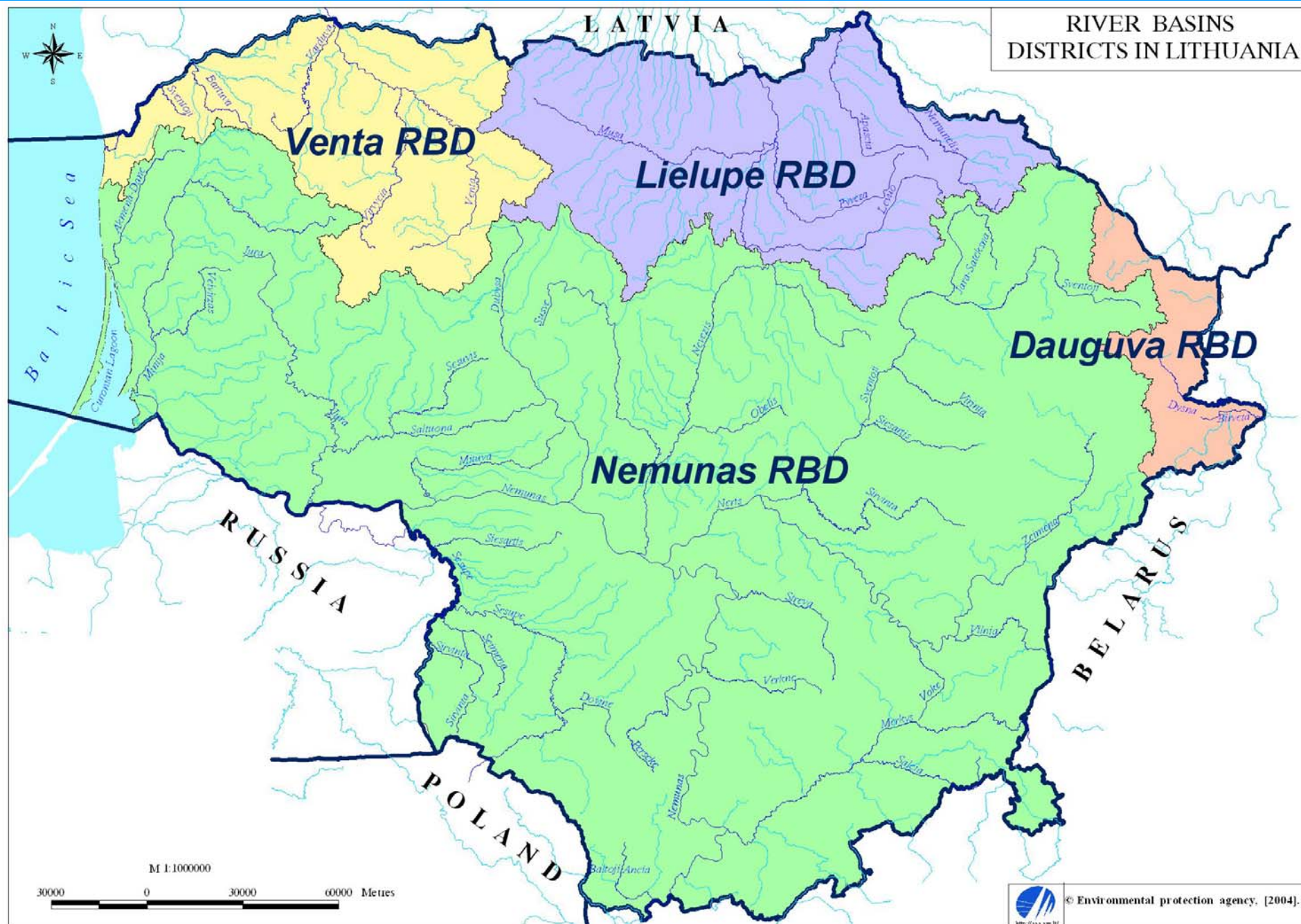


Factors affecting the status of water bodies in the river basin

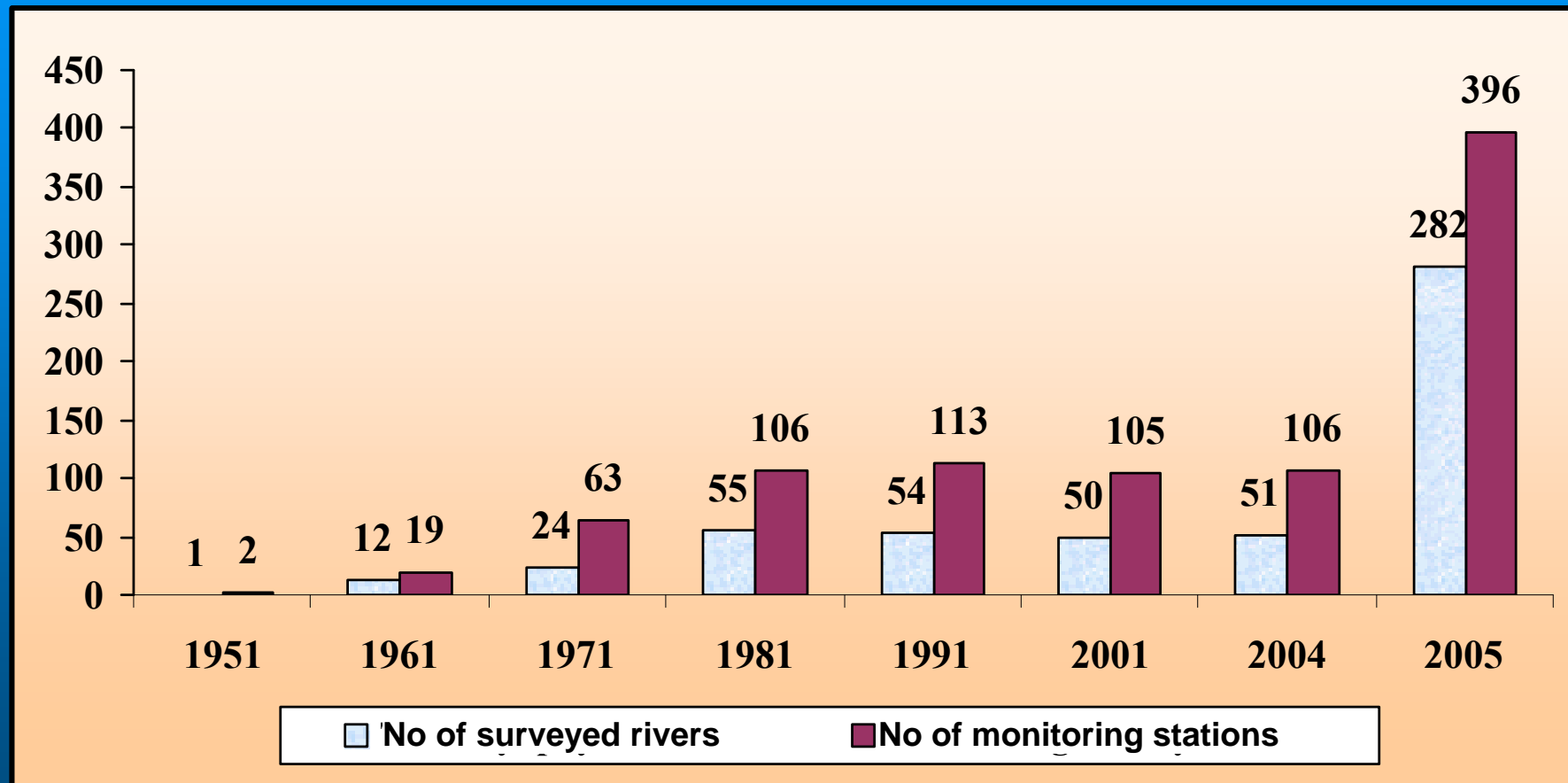


Main Goals behind Integrated Water Management

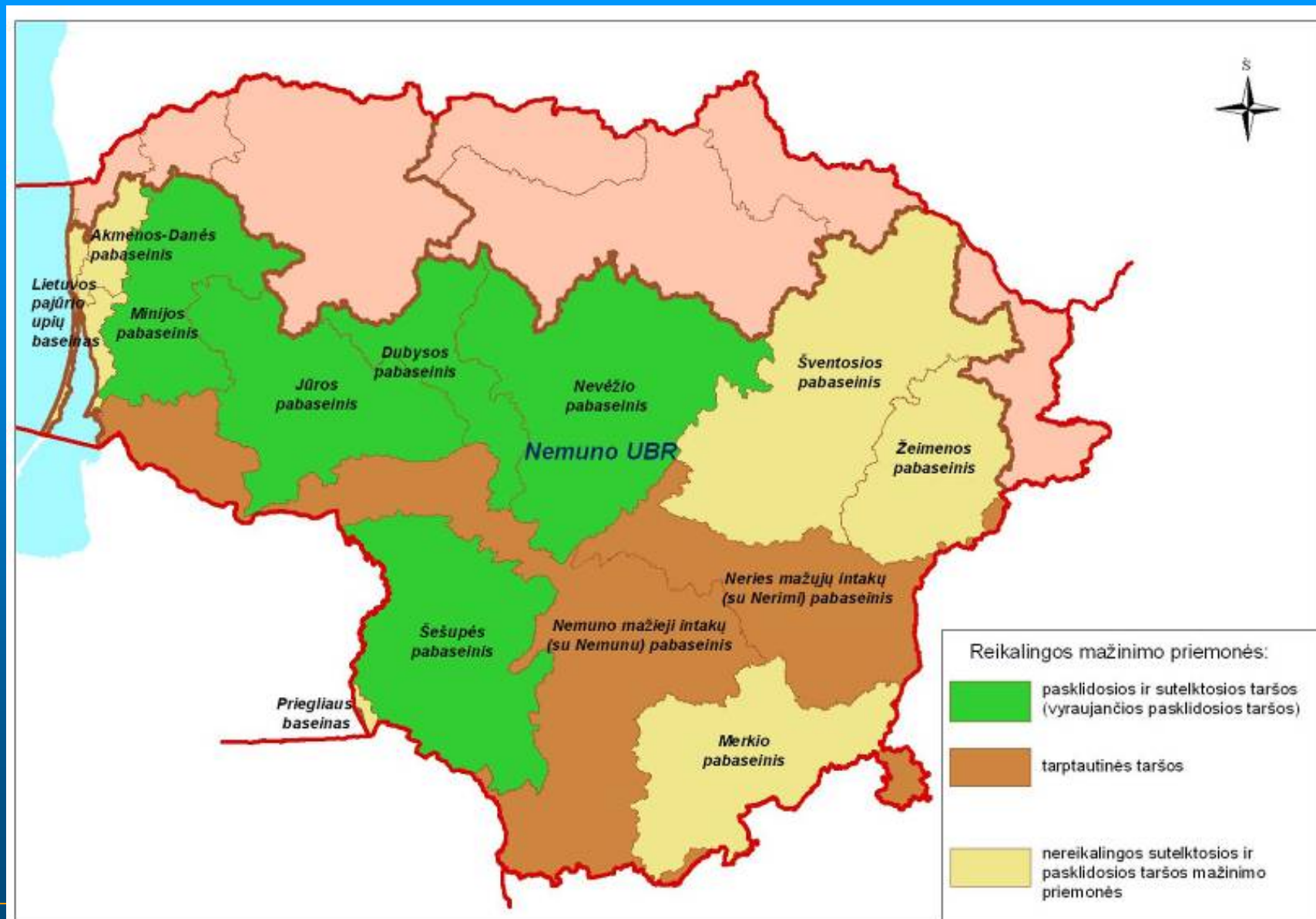
- To reach “GOOD” surface and ground water status as well as that of the dependent terrestrial ecosystems and protect it from the deterioration
- Promote sustainable water use based on a long-term protection of available water resources
- Mitigate the effects of floods and droughts



State Monitoring Program for 2005-2010



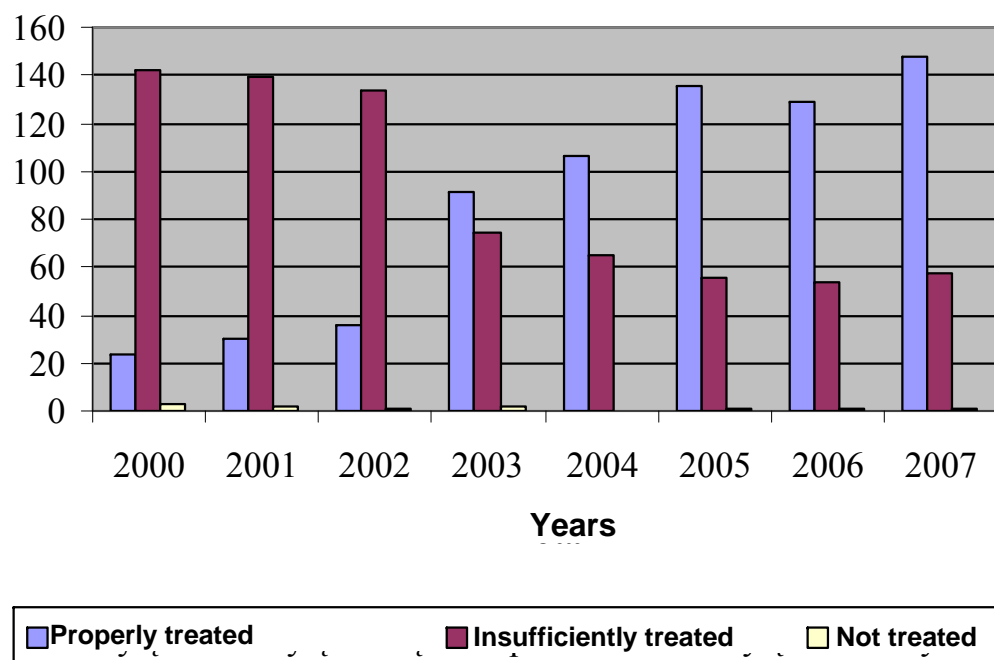
Groups of Measures in the Nemunas RBD





Current Point Source Reduction Measures

Dynamics wastewater discharges in 2000-2007



Current Diffuse Pollution Reduction Measures

- Legal requirements (agroenvironmental) for agricultural practices adopted
- Financial assistance for the implementation of agroenvironmental measures foreseen (Rural Development Program)
- Trainings for the implementation of agroenvironmental requirements for farmers are organized



Current Financial Assistance for Diffuse Pollution Reduction Measures



Buffer strips (to prevent from entering water bodies erosion products, leaching nutrients etc.)



Current Financial Assistance for Diffuse Pollution Reduction Measures (2)



Switch to non-agricultural activities, Rural tourism, Support for farmers in areas of adverse conditions for farming

Manure storage facilities

Current Financial Assistance for Diffuse Pollution Reduction Measures (3)



Conversion of arable
land to pastures



Afforestation



Ecological farming

Current Hidromorphological Pressures Reduction Measures

- EIA procedure for new projects (some valuable sections forbidden)
- Regulations for hydrological regime regulation in reservoirs and rivers (minimum discharge, water level fluctuation, changes in riverbeds etc.)
- Construction of fish passes in new HP plants/reservoirs



Flood Management and Human Development

- Special safety and environmental requirements for construction in flood prone areas
- Restrictions for the development in flood prone areas
- Plans for “giving space for rivers” for sections of flood protected lands that are “abandoned” or not used anymore for initial purpose



EU Directives' and Integrated Water Management Implementation - a Guarantee for Sustainable Development?

**Muchas Gracias por Su
Atencion !**

