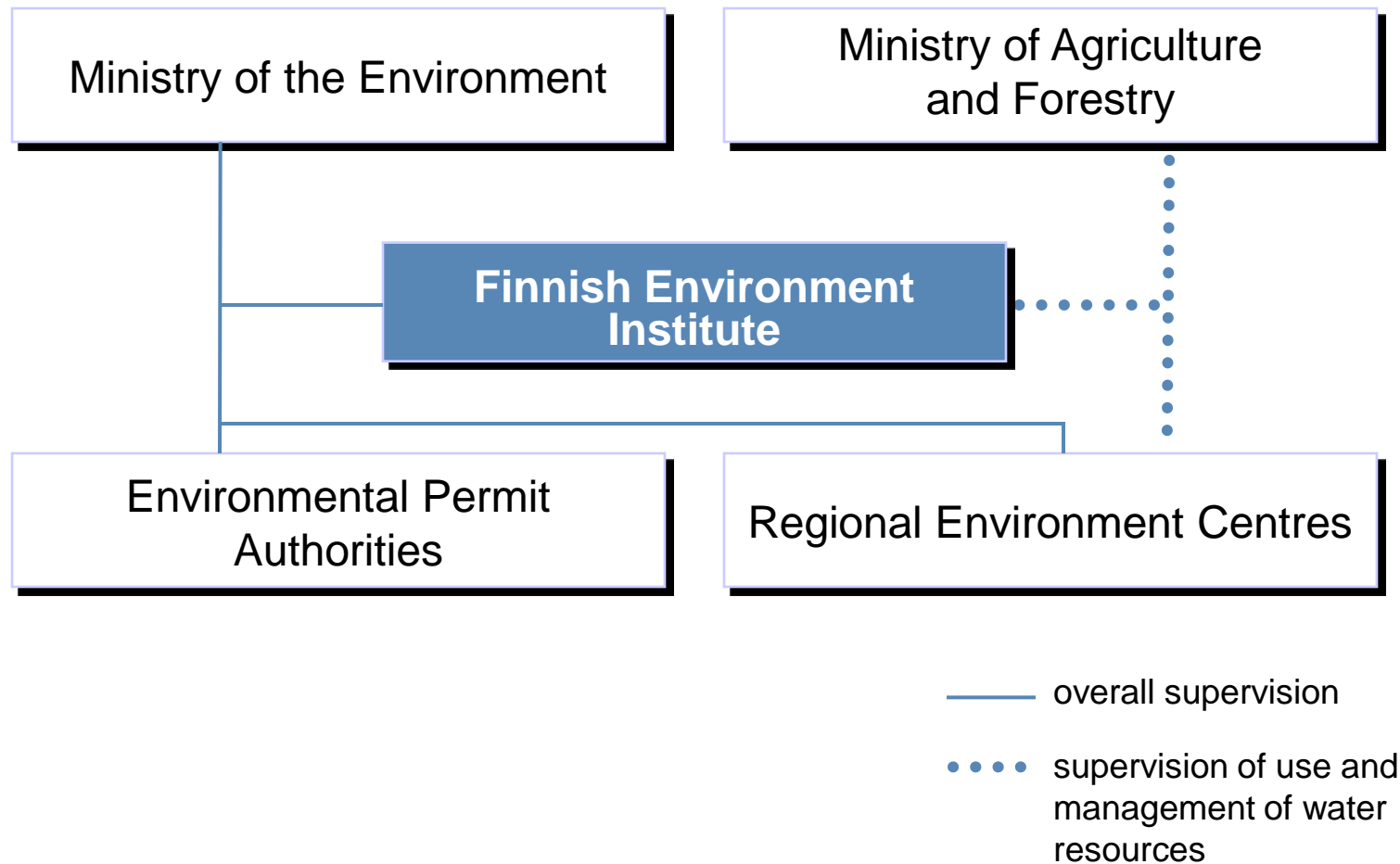


The Finnish Environment Institute (SYKE) – Finland's national environmental research and development centre

- **functions under the Ministry of the Environment and the Ministry of Agriculture and Forestry**
- **established on 1st March 1995**
- **approx. 600 employees (incl. 400 with university-level education)**
- **We are integrating expertise from a wide range of disciplines.**
- **We produce information and solutions promoting ecologically sustainable development.**

SYKE in the Finnish Environmental Administration



Waste Management in SYKE

- we provide expert advice for the environmental administration and companies
- we collect data on waste streams, waste treatment and waste utilisation, and compile data for international reporting and waste planning
- we supervise and issue permits for the international transportation of wastes
- we produce guidelines and brochures, and provide training on waste issues

Waste Management in SYKE

- National planning of waste management
 - National waste management plan adopted in 2008
 - Several statements to divert biodegradable waste from landfills
 - Expert services, surveys, drafting
 - Regional waste management plan process 2008-
 - Biodegradable waste management
 - Sludge management
 - Membership in working groups
- Renewal of Waste act
 - Secretary
 - Membership in working group

Waste Management in SYKE

■ R&D

- BAT in biogas production, 2008
- Environmental and economic impacts from recycling of combustible wastes (POLKU) 2006-2008
- Life cycle perspective on environmental impacts of bioenergy, . 2006-2007.
- Energy or material recovery for combustible wastes, 2006.
- Life cycle approach to sustainability of waste management - a case study on newspaper (LCA-WASTE) 2001-2004
- New waste management concepts for reducing greenhouse gas emissions and the development of the concepts towards business in the medium term. 2004-2006.
- Monitoring of relevant waste streams nationally and internationally (Baltic Haz Control project), 2006-2007
- Waste prevention in Nordic countries, 2008

Waste Management in SYKE

- Reporting of administrative actions and waste data
 - Directives
 - Directive 75/442/EEC on waste
 - Directive 91/689/EEC on hazardous waste
 - Directive 75/439/EEC on the disposal of waste oils
 - Directive 86/278/EEC on the protection of the environment, and in particular the soil, when sewage sludge is used in agriculture
 - Directive 1999/31/EC on the landfill of waste
 - Surveys on regional capacities in biodegradable waste treatment

Waste Management in SYKE

- Transfrontier waste shipment permitting and control
 - Competent authority
 - Permitting
 - Control
 - Reporting annually; implementation and data

Waste Management in SYKE

- International co-operation
 - Transfrontier waste shipment
 - Basel convention
 - Correspondents meetings
 - IMPEL-TFS (EU)
 - Nordic co-operation
 - CEN/TC 308 Characterization of sludges
 - Guidelines in sludge management
 - Nordic Council of Ministers
 - Product and Waste Group and sub-groups