

THE WATER FRAMEWORK DIRECTIVE



Strategic Research Agenda (SRA)

of the

Polish Platform of Environmental Technologies

- Remainder
- "Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for the Community action in the field of water policy"

in short

- the **EU Water Framework Directive - WFD**

was adopted on the 23 October 2000

- The Directive was published in the Official Journal (OJ L 327) on 22 December 2000 and entered into force the same day.

since that many amendments have been introduced into the Directive

Key aspects of the implementation of the Water Framework Directive :

- 1. 1. **Joining forces for Europe's shared waters**
- Coordination in international river basin districts
- 2. 2. **Cleaning up Europe's waters** - Identifying and assessing surface water bodies at risk
- 3. 3. **Groundwater at Risk** - Managing the water under us
- 4. 4. **Reservoirs, Canals and Ports** - Managing artificial and heavily modified water bodies
- 5. 5. **Economics in Water Policy** - The value of Europe's waters
- 6. 6. **Monitoring programmes** - taking the pulse on Europe's waters

- 7. Intercalibration - a common scale for Europe's waters
- 8. Pollution - Reducing dangerous chemicals in Europe's waters
- 9. Integrating water policy - linking all EU Water legislation within a single framework
- 10. Climate change - Addressing floods, droughts and changing aquatic ecosystems
- 11. From rivers to the sea - Linking with the new Marine Strategy Framework Directive
- 12. A Common Task - Public Participation in River Basin Management Planning

Water Framework Directive

main areas

- River Basin Management
- Water Quality
- Water and Health
- Water Pollution
- EU Water Initiative
- Climate Change Adaptation

River Basin Management

- Environmental objectives and exemptions
- Ecological Status and Intercalibration
- Chemical status/Priority Substances
- Ground water
- Common Implementation Strategy

Chemical status/Priority Substances

- Strategy
- Priority Substances
- Dangerous Substances
- Library

Ground water

- EU policy
- Groundwater deterioration
- Background of the new Directive on protection of groundwater against pollution and deterioration
- Scientific and technical support to the groundwater legislative framework

Water and Health

- The Drinking Water Directive
- Revision of the Drinking Water Directive
- Reporting under the Drinking Water Directive

Water Pollution

- Urban Waste Water
- Industry
- Agriculture / Nitrates

The Strategic Research Agenda

of the Polish Platform of Environmental Technologies

- **Institute for Ecology of Industrial Areas,**
- **Katowice, Poland**

- **the Polish Platform of Environmental Technologies**
- **Five Working Groups were established:**
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- **water resources**
- **air protection and preventing global climate change**
- **waste management**
- **soil protection**
- **biomass**

The Strategic Research Agenda

of the Polish Platform of Environmental Technologies and the WFD

- **River Basin Management**
- **Models off integrated water management in catchments scale (surface runoff, retention, spatial planning)**
- **Floods management**
- **Bioengineering systems in water protection**
- **Techniques and technologies for reclamation and oliigotrophication of lymnic ecosystems - reduction of internal enrichment process**
- **Immobilization of phosphorus**
- **Techniques for reduction of biogenic element discharge to surface waters**
- **Assessment of ground water quality and quantity deterioration**