

Topic: "European Water Policies in an Era of Climate Change: Opportunities for an Integrated and Multi-Sectoral Approach in the Republic of North Macedonia"

Experience of the Slovak Republic in implementing the EU Water Framework Directive in water management

Ivana Bajkovičová

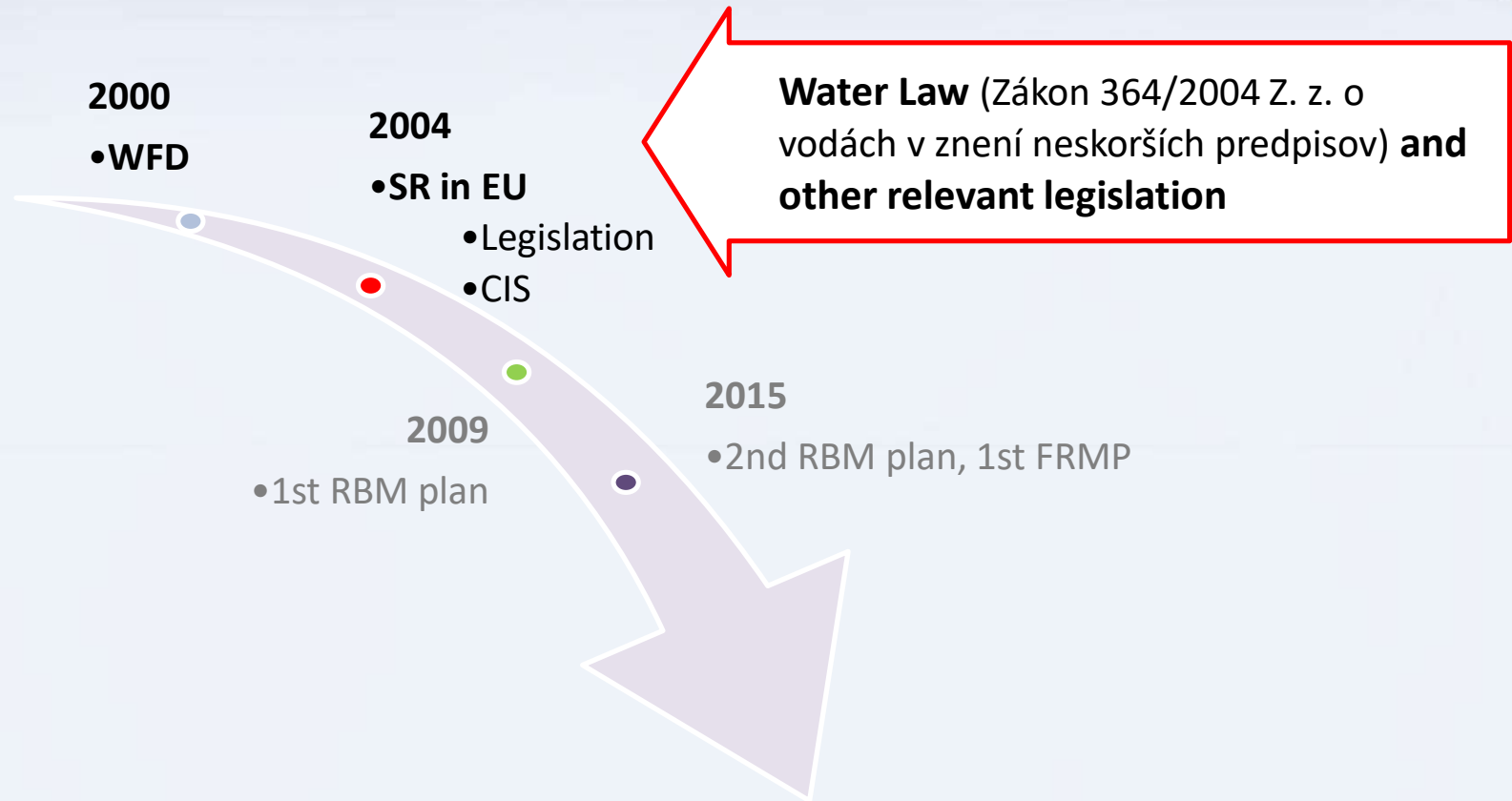
Water Research Institute, dept.of Water Planning



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European Water Policies in an Era of Climate Change: Opportunities for an Integrated and Multi-Sectoral Approach in the Republic of North Macedonia



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CIS

CIS Work Programme organisation:



Working Groups structure:



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Legislation

Regulations, directives and other legal acts:

- Council Directive 91/271/EEC of 21 May 1991 concerning **urban wastewater** treatment, as amended by Commission Directive 98/15/EC of 27 February 1998;
- Council Directive 91/676/EEC of 12 December 1991 concerning the protection of waters against pollution caused by **nitrates** from agricultural sources, as amended by Regulation (EC) No 1882/2003 of the European Parliament and of the Council of 29 September 2003;
- Council Directive 98/83/EC of 3 November 1998 on the quality of water intended for human consumption (**Drinking Water Directive**), as amended by Regulation (EC) No 1882/2003 of the European Parliament and of the Council of 29 September 2003;
- Directive 2006/118/EC of the European Parliament and of the Council of 12 December 2006 on the protection of **groundwater** against pollution and deterioration;
- Directive 2006/7/EC of the European Parliament and of the Council of 15 February 2006 concerning the management of **bathing water** quality;

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- Directive 2007/60/EC of the European Parliament and of the Council of 23 October 2007 on the assessment and management of **flood risks**;
- Directive 2008/105/EC of the European Parliament and of the Council of 16 December 2008 on **environmental quality standards** in the field of water policy, amending and subsequently repealing several earlier directives;
- Commission Directive 2009/90/EC of 31 July 2009 laying down, pursuant to Directive 2000/60/EC, technical specifications for chemical analysis and **monitoring** of water status;
- Directive 2013/39/EU of the European Parliament and of the Council of 12 August 2013 amending Directives 2000/60/EC and 2008/105/EC as regards **priority substances** in the field of water policy;
- Commission Directive 2014/80/EU of 20 June 2014 amending Annex II to Directive 2006/118/EC on the protection of groundwater against pollution and deterioration;
- Directive (EU) 2020/2184 of the European Parliament and of the Council of 16 December 2020 on the quality of water intended **for human consumption (recast)**;
- Directive (EU) 2024/3019 of the European Parliament and of the Council of 27 November 2024 concerning urban **wastewater treatment (recast)**;
- Regulation (EU) 2020/741 of the European Parliament and of the Council of 25 May 2020 on minimum requirements for water reuse.

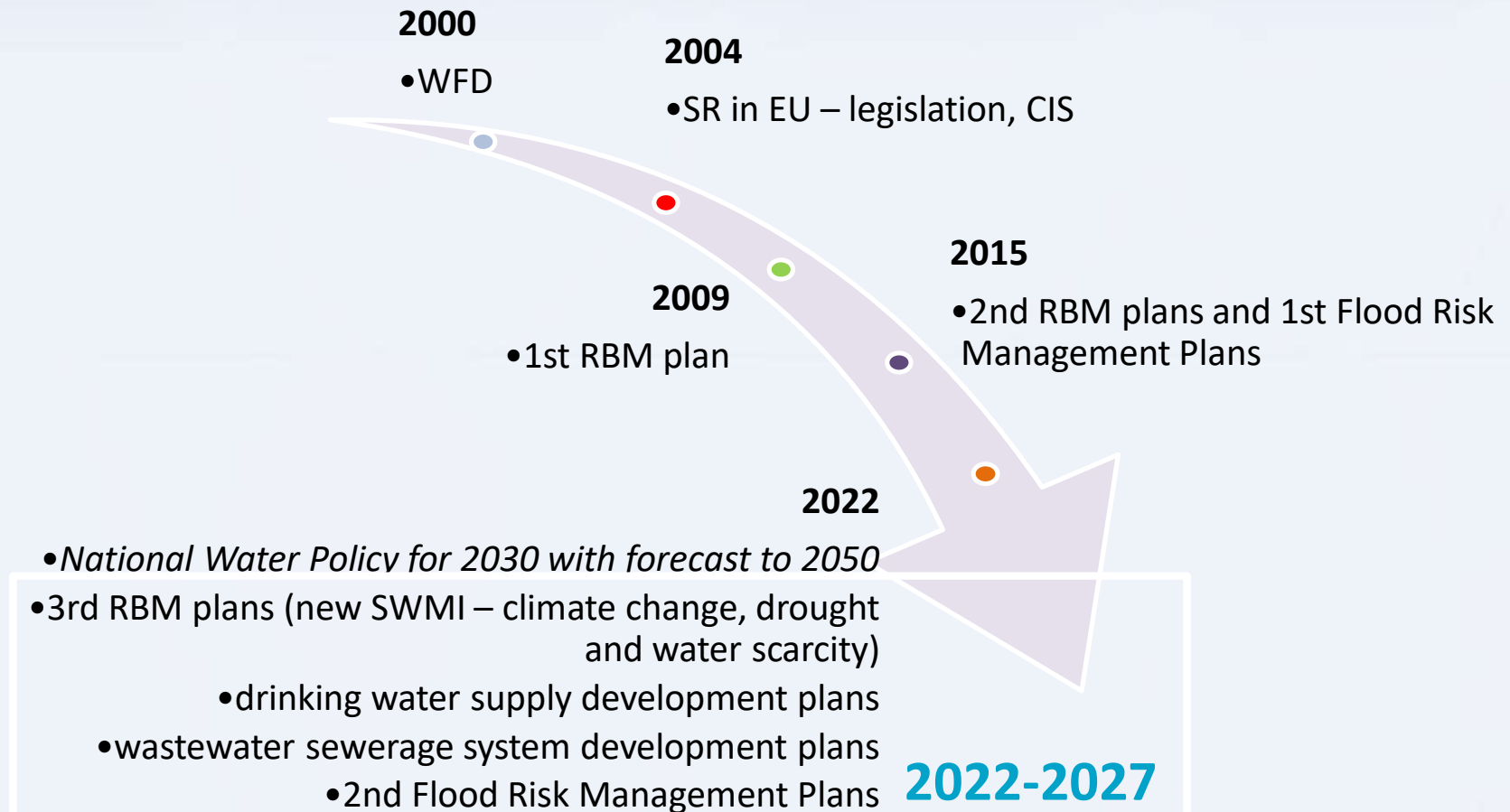
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Good setup!

RECOMMENDATIONS:

- 1.**
- 2.**

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Who?



Výskumný ústav vodného hospodárstva



Slovenský hydrometeorologický ústav



Štátny geologický ústav Dionýza Štúra



Slovenský vodohospodársky podnik, š.p.



Štátna ochrana prírody SR



Prírodovedecká fakulta UK v Bratislave

RECOMMENDATIONS:

1. Define responsibilities and build institutional capacity.

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RBM plans

SWMIs

Pressures

Monitoring
Assessment

1 Surface waters

1.1 Organic Pollution

1.2 Nutrient Pollution

1.3 Hazardous Substances Pollution

1.4 Hydromorphological Alterations

Interruptions of River Continuity and
Sediment Balance Alterations

Morphological Alterations and Disconnection
of Adjacent Floodplains/Wetlands

Hydrological alterations

Future Infrastructure Projects

2 Groundwater

2.1 Groundwater Quality

Nutrient Pollution

Pesticide pollution

Other chemical substances pollution

2.2 Groundwater Quantity

3 Effects of Climate Change

(Drought, Water Scarcity, Extreme
Hydrological Phenomena and other
Impacts)

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Data

Data on natural conditions, data for status assessment, and data for describing the impacts of human activities on water bodies - MONITORING systems.

RECOMMENDATIONS:

- 1. Define responsibilities and build institutional capacity.**
- 2. Monitoring**

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Data

Data on natural conditions, data for status assessment, and data for describing the impacts of human activities on water bodies - MONITORING systems.

Also data on human activities, permit databases, and other supporting documents, models...

WATER INFORMATION SYSTEM.

RECOMMENDATIONS:

- 1. Define responsibilities and build institutional capacity.**
- 2. Monitoring**
- 3. Water Information System**

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RBM

SWMIs

Pressures

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Assessment

Measures

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Financing

- allocate resources to water management and environmental objectives
- to be prepared to use funding instruments

- RECOMMENDATIONS:**
- 1. Define responsibilities and build institutional capacity.**
 - 2. Monitoring**
 - 3. Water Information System**
 - 4. Financing**

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Integration

of water use and environmental objectives within a coherent water management framework – to water resilience.



RECOMMENDATIONS:

- 1. Define responsibilities and build institutional capacity.**
- 2. Monitoring**
- 3. Water Information System**
- 4. Financing**
- 5. Balancing water use and environmental goals for water resilience**

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RECOMMENDATIONS:

1. **Define responsibilities and build institutional capacity.**
2. **Ensure systematic data collection through monitoring programmes.**
3. **Establish a sectoral Water Information System that integrates natural conditions, monitoring data, permit databases, analytical tools and other relevant information.**
4. **Financing - allocate sufficient resources to water management and environmental objectives, but also be fully prepared to use EU funding instruments.**
5. **Well-balanced and integrated approach that combines water use and environmental objectives within a coherent water management framework for water resilience.**

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Thank you!
Questions?



**Experience of the Slovak Republic
in implementing the EU Water Framework Directive
in water management**

Ivana Bajkovičová, Water Research Institute, dept. of Water Planning

Ivana.Bajkovicova@vuvh.sk



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