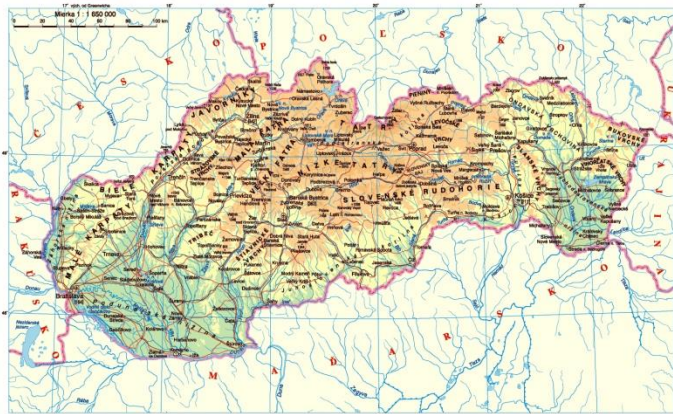


PROACTIVE DROUGHT MANAGEMENT POLICY
SLOVAK NATIONAL ACTION PLAN TO COMBAT DROUGHT

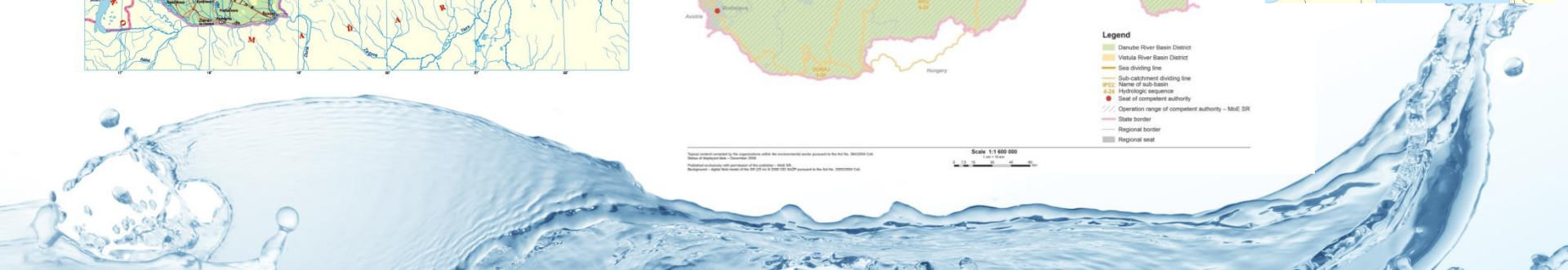
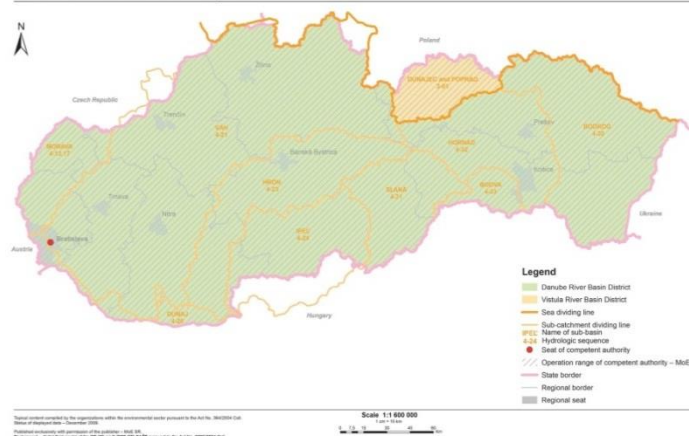


Characterisation of the National River Basins Districts

Name of the national river basin district	Name of the SK sub-basin	km ² of the SK sub-basin	% of SK territory / km ² of SK territory	% of river basin territory / km ² of river basin territory	Countries of the river basin
Vistula	Dunajec & Poprad sub-basins	1950	4 % / 1950 km ²	0,9 % / 193960 km ²	Belarus (BY), Poland (PL), Slovak Republic (SK), Ukraine (UA)
	Morava sub-basin	2282	96 % / 47084 km ²	5,9 % / 801463 km ²	Albania (AL), Austria (AT), Bosnia and Herzegovina (BA), Bulgaria (BG), Croatia (HR), Czech Republic (CZ), Germany (DE), Hungary (HU), Italy (IT), Macedonia (MK), Moldova (MD), Montenegro (ME), Poland (PL), Romania (RO), Serbia (RS), Slovak Republic (SK), Slovenia (SI), Switzerland (CH), Ukraine (UA)
Danube	Dunaj sub-basin	1158			
	Vah sub-basin	18769			
	Hron sub-basin	5465			
	Ipel sub-basin	3649			
	Slana sub-basin	3217			
	Bodva sub-basin	858			
	Hornad sub-basin	4414			
Bodrog sub-basin	7272				



Water Plan of the Slovak Republic
River basin districts of the Slovak Republic



Climatic Classification of Slovakia According to Konček



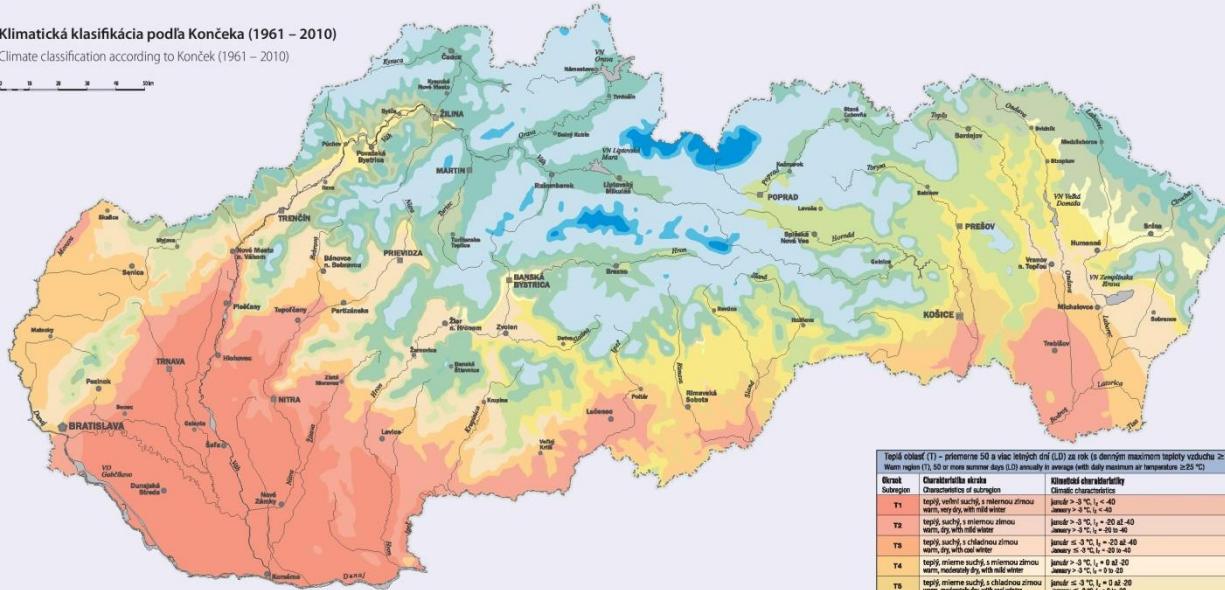
Klimatická klasifikácia podľa Končeka • Climatic classification according to Konček

KLASIFIKÁCIE KLÍMY • CLASSIFICATION OF CLIMATE

M.XI.1

Klimatická klasifikácia podľa Končeka (1961 – 2010)

Climate classification according to Konček (1961 – 2010)

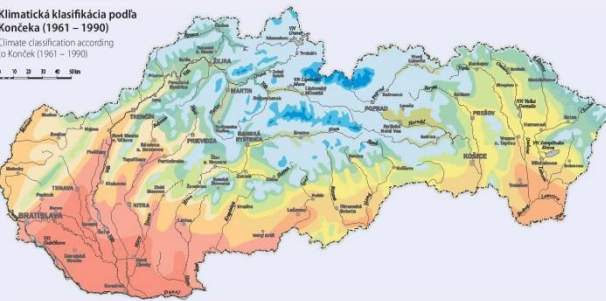


Subregión	Charakteristika subregiónu	Klimatické charakteristiky
T1	teplý, veľmi suchý, s mierneou zimou warm, very dry, with mild winter	január > 3 °C, jún < 40 January > 3 °C, jún < 40
T2	teplý, suchý, s mierneou zimou warm, dry, with mild winter	január > 3 °C, jún < 20 až 40 January > 3 °C, jún < 20 až 40
T3	teplý, suchý, s chladnou zimou warm, dry, with cool winter	január ≤ 3 °C, jún < 20 až 40 January ≤ 3 °C, jún < 20 až 40
T4	teplý, mierne suchý, s mierneou zimou warm, moderately dry, with mild winter	január > 3 °C, jún < 0 až 20 January > 3 °C, jún < 0 až 20
T5	teplý, mierne suchý, s chladnou zimou warm, moderately dry, with cool winter	január < 0 °C, jún < 0 až 20 January < 0 °C, jún < 0 až 20
T6	teplý, mierne vlhký, s mierneou zimou warm, moderately humid, with mild winter	január > 3 °C, jún < 0 až 60 January > 3 °C, jún < 0 až 60
T7	teplý, mierne vlhký, s chladnou zimou warm, moderately humid, with cool winter	január ≤ 3 °C, jún < 0 až 60 January ≤ 3 °C, jún < 0 až 60
T8	teplý, vlhký, s mierneou zimou warm, humid, with mild winter	január > 3 °C, jún < 60 až 120 January > 3 °C, jún < 60 až 120
T9	teplý, vlhký, s chladnou zimou warm, humid, with cool winter	január < 0 °C, jún < 60 až 120 January < 0 °C, jún < 60 až 120

M.XI.2

Klimatická klasifikácia podľa Končeka (1961 – 1990)

Climate classification according to Konček (1961 – 1990)



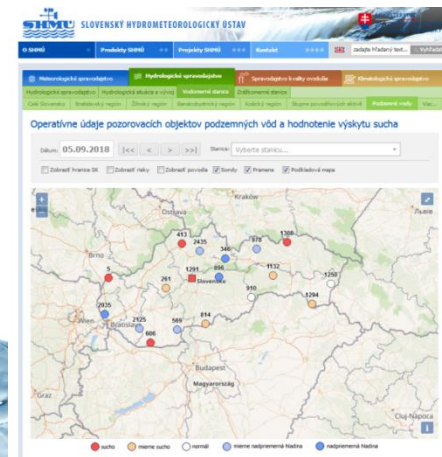
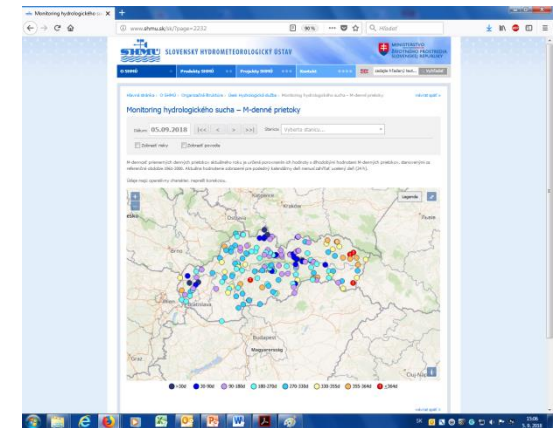
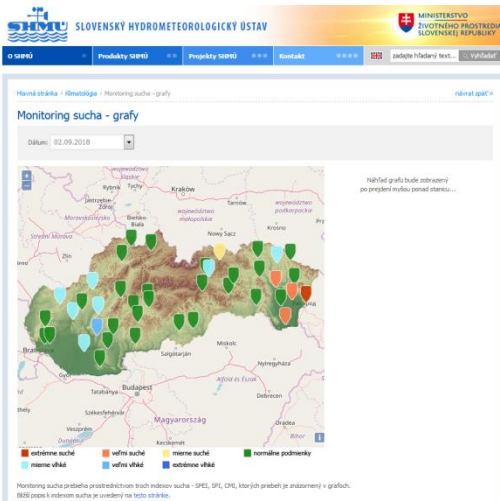
Subregión	Charakteristika subregiónu	Klimatické charakteristiky
M1	mierné teplé, mierne vlhký, s mierneou zimou, pahorkatinný moderately warm, moderately humid, with mild winter, hilly land	január < 0 °C, jún ≥ 18 °C, LD < 100, jún < 60, do 500 m n. m. January < 0 °C, jún ≥ 18 °C, LD < 100, jún < 60, up to 500 m a.s.l.
M2	mierné teplé, mierne vlhký, so strednou zimou, dolinový/kotlínový moderately warm, moderately humid, with cool winter, valley/fac	január < 0 °C, jún ≥ 18 °C, LD < 60, jún < 60 January < 0 °C, jún ≥ 18 °C, LD < 60, jún < 60
M3	mierné teplé, mierne vlhký, pahorkatinný až vrchovinný moderately warm, moderately humid, hilly land or highland	jún ≥ 18 °C, LD < 50, jún < 60 až 80, snehu 500 m n. m. jún ≥ 18 °C, LD < 50, jún < 60 až 80, snow 500 m a.s.l.
M4	mierné teplé, vlhký, s mierneou zimou, pahorkatinný až rovinný moderately warm, humid, with mild winter, hilly land or plains	január > 3 °C, jún ≥ 18 °C, LD < 50, jún < 60 až 100, do 500 m n. m. January > 3 °C, jún ≥ 18 °C, LD < 50, jún < 60 až 100, up to 500 m a.s.l.
M5	mierné teplé, vlhký, s chladnou až strednou zimou, dolinový/kotlínový moderately warm, humid, with cool to mild winter, valley/fac	január > 3 °C, jún ≥ 18 °C, LD < 50, jún < 60 až 100 January > 3 °C, jún ≥ 18 °C, LD < 50, jún < 60 až 100
M6	mierné teplé, veľmi vlhký, vrchovinný moderately warm, very humid, highland	jún ≥ 18 °C, LD < 50, jún < 60 až 100, snehu nad 500 m n. m. jún ≥ 18 °C, LD < 50, jún < 60 až 100, snow above 500 m a.s.l.
M7	mierné teplé, veľmi vlhký, vrchovinný moderately warm, very humid, highland	jún ≥ 18 °C, LD < 50, jún < 100, snehu nad 500 m n. m. jún ≥ 18 °C, LD < 50, jún < 100, snow above 500 m a.s.l.

Subregión	Charakteristika subregiónu	Klimatické charakteristiky
C1	mierné chladný / moderately cool	jún ≥ 12 °C až < 18 °C / July ≥ 12 °C to < 18 °C
C2	chladný horský / cool mountainous	jún ≥ 10 °C až < 12 °C / July ≥ 10 °C to < 12 °C
C3	studený horský / cold mountainous	jún < 10 °C / July < 10 °C

Drought Monitoring - National Meteorological Service

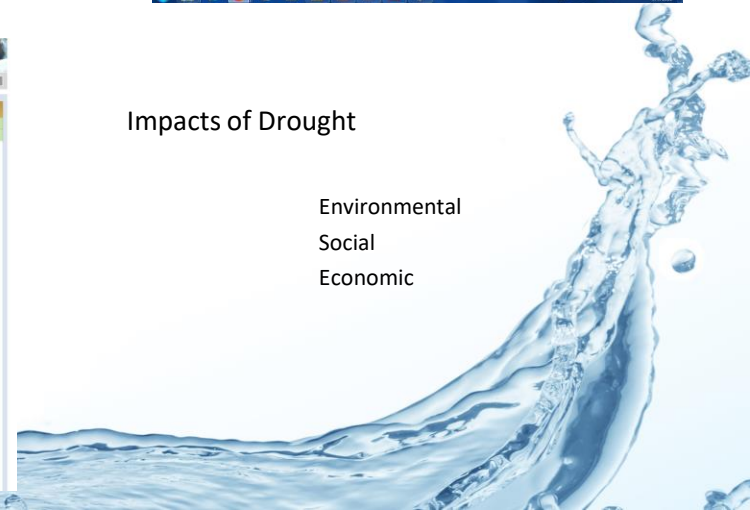
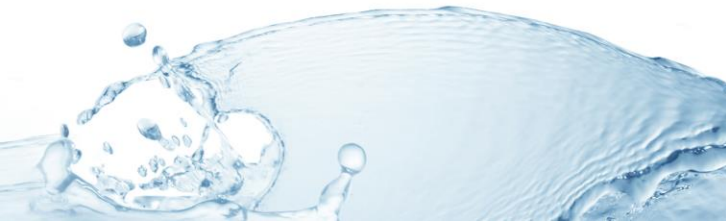
Types of Drought

- Meteorological
- Agricultural
- Hydrological



Impacts of Drought

- Environmental
- Social
- Economic



From Global to Local and Individual - Way Towards Effective Measures



Global

United Nations Framework Convention on Climate Change
United Nations Convention to Combat Desertification
The 2030 Agenda for Sustainable Development
WMO Integrated Drought Management Programme

...

Regional (EU)

A Blueprint to Safeguard Europe's Water Resources
Directive 2000/60/EC - Water Framework Directive
Addressing the challenge of water scarcity and droughts in the European Union + Follow-up Reports
Impact Assessment of the European Water Scarcity and Droughts Policy

...

National

Water Act No. 364/2004 Coll.
Water Plan of the Slovak Republic (River Basin Management Plan)
Adaptation Strategy of the Slovak Republic on Adverse Impacts of Climate Change
Slovak National Action Plan to Combat Drought

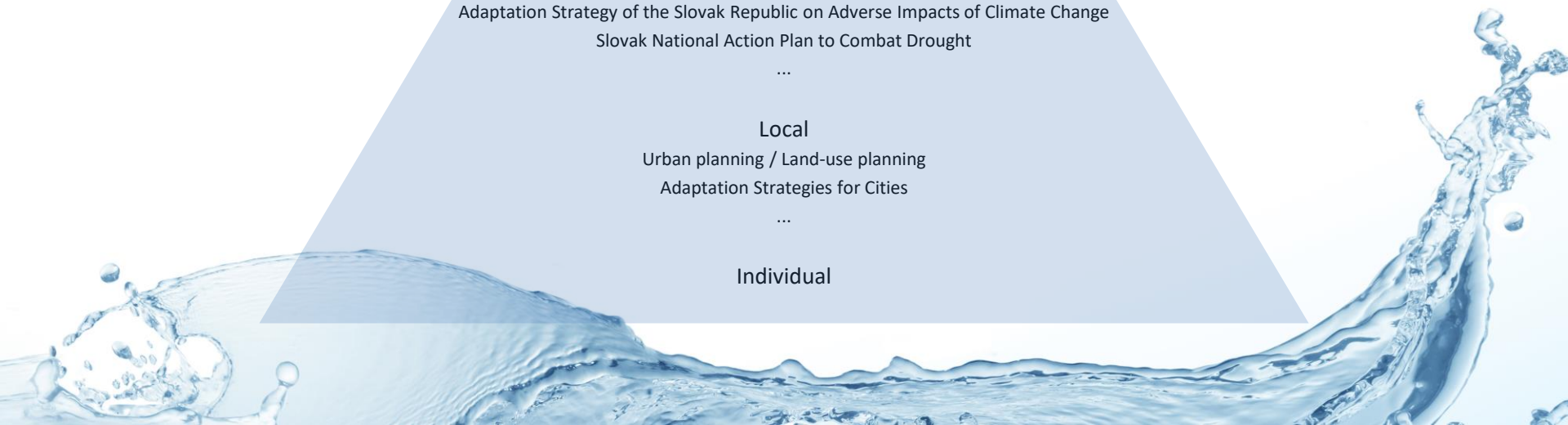
...

Local

Urban planning / Land-use planning
Adaptation Strategies for Cities

...

Individual



Slovak National Action Plan to Combat Drought - Preparation Process



Structure

Contents

- 1 Introduction
 - 2 Goal of the action plan
 - 2.1 The process of preparing
 - 3 State of the drought issues at national and international level
 - 3.1 Characteristics and assessment of the historical occurrence of drought
 - 3.2 Identification and classification of uncertainties
 - 4 Programme of measures
 - 4.1 Preventive measures
 - 4.1.1 Agriculture and forestry
 - 4.1.2 Urban landscape
 - 4.1.3 Water management
 - 4.1.4 Research and development
 - 4.1.5 Environmental education
 - 4.2 Operational measures
 - 4.3 Crisis measures
 - 5 Organizational framework
- List of abbreviations
Glossary of basic terms
References

List of Stakeholders (Inter-ministerial Working Group)

Ministry of Environment

Slovak Hydrometeorological Institute
Water Research Institute
Slovak Water Management Enterprise
Water Management Construction Enterprise

Ministry of Agriculture and Rural Development

National Agricultural and Food Centre
Soil Science and Conservation Research Institute
Research Institute of Agriculture and Food Economics
Hydro-meliorations

Government Office of the Slovak Republic

Slovak Academy of Science

Slovak Technical University

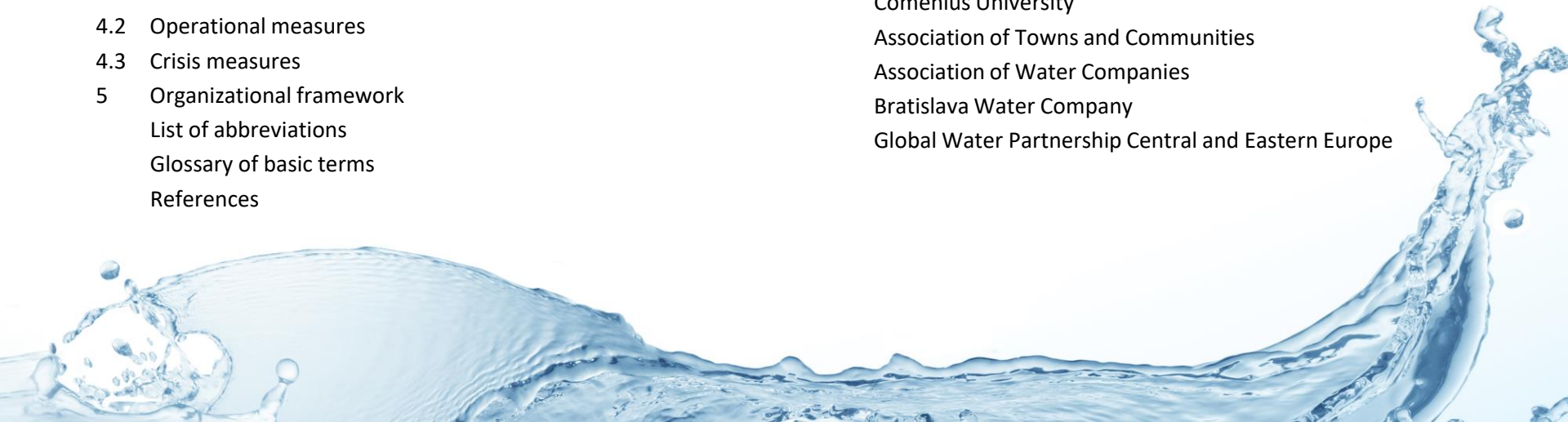
Comenius University

Association of Towns and Communities

Association of Water Companies

Bratislava Water Company

Global Water Partnership Central and Eastern Europe



Slovak National Action Plan to Combat Drought - Programme of Measures



Programme of Measures

Preventive measures

Agriculture and Forestry



Urban Landscape



Water Management



Research and Development

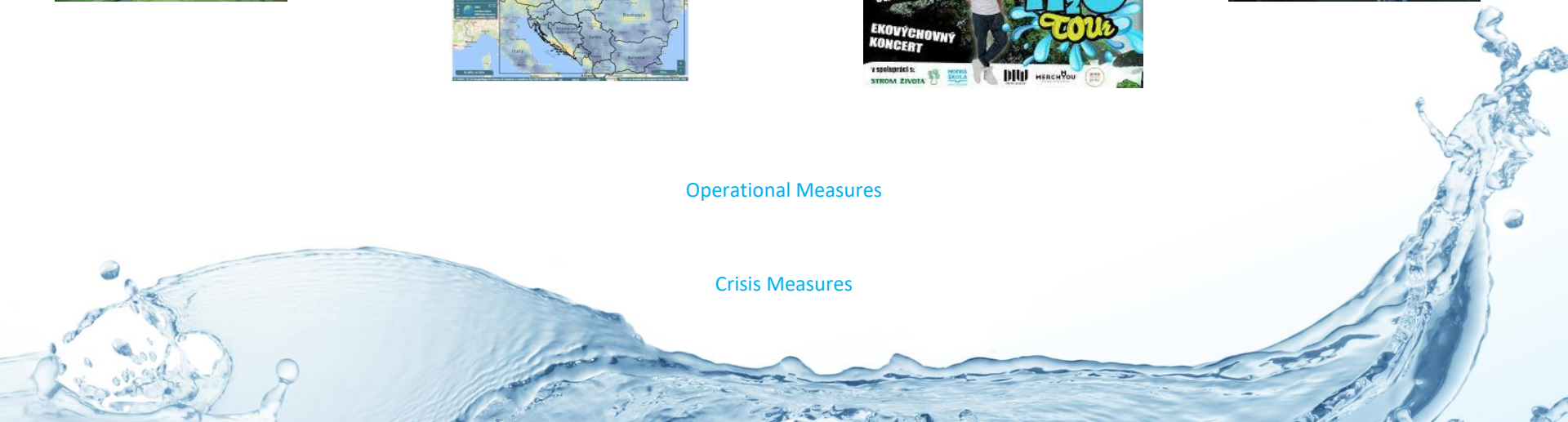


Environmental Education



Operational Measures

Crisis Measures





THANK YOU FOR YOUR ATTENTION

感谢您的关注

