



REGIONAL FORUM

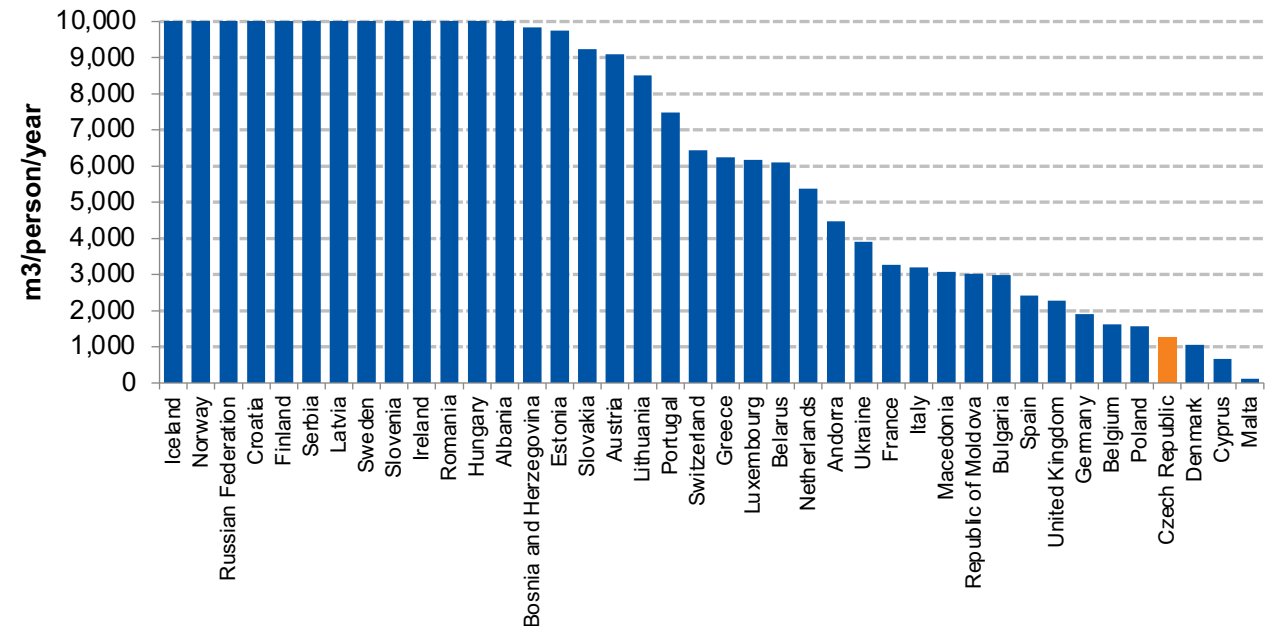
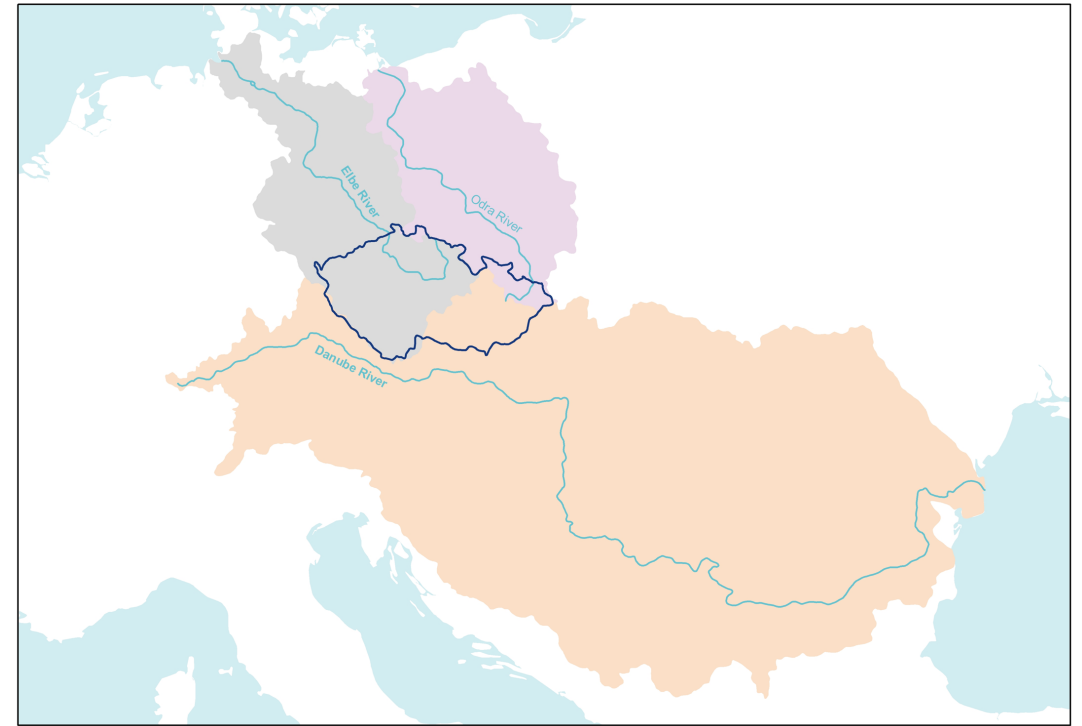
ON SUSTAINABLE DEVELOPMENT FOR THE UNECE REGION



**Water for Climate: strengthen
water resilience to climate
change and disasters**

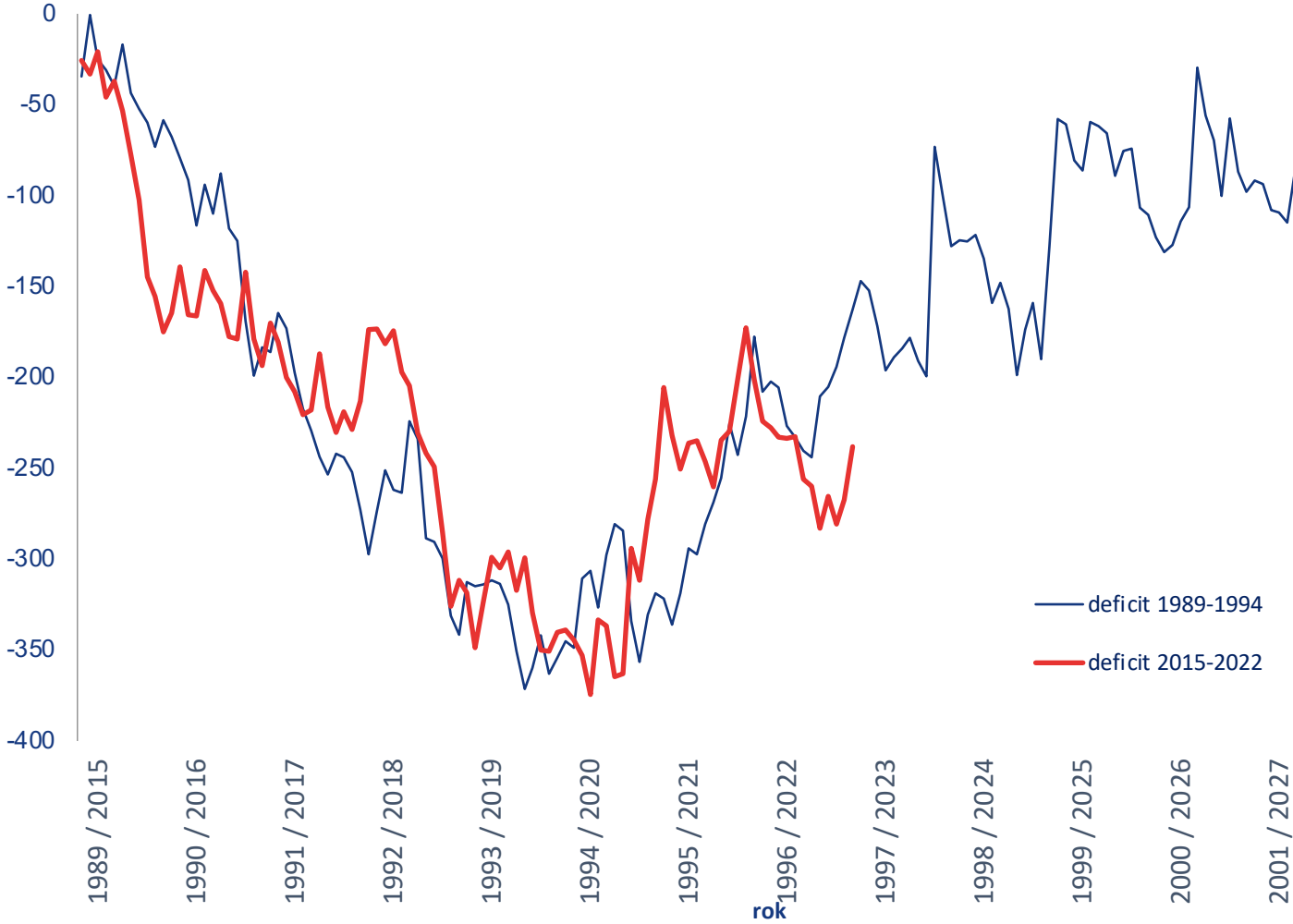
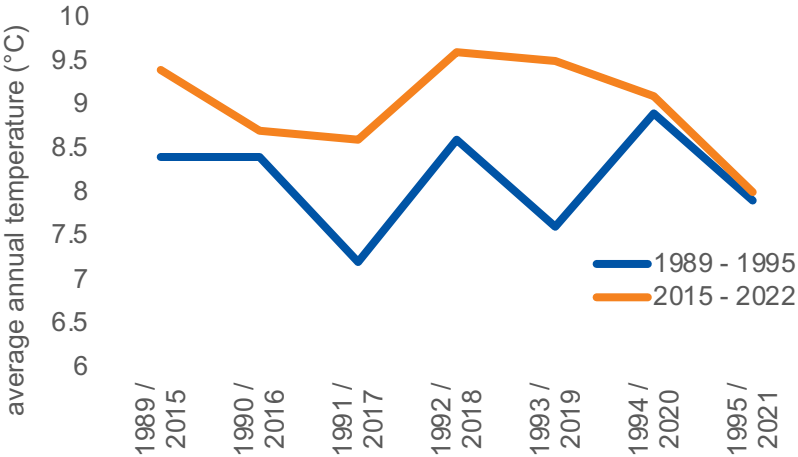
Czech Republic

- Head waters of Elbe River, Odra River and Morava River (Danube)
- Limited large groundwater aquifers
- „Rain and snow is all we get“



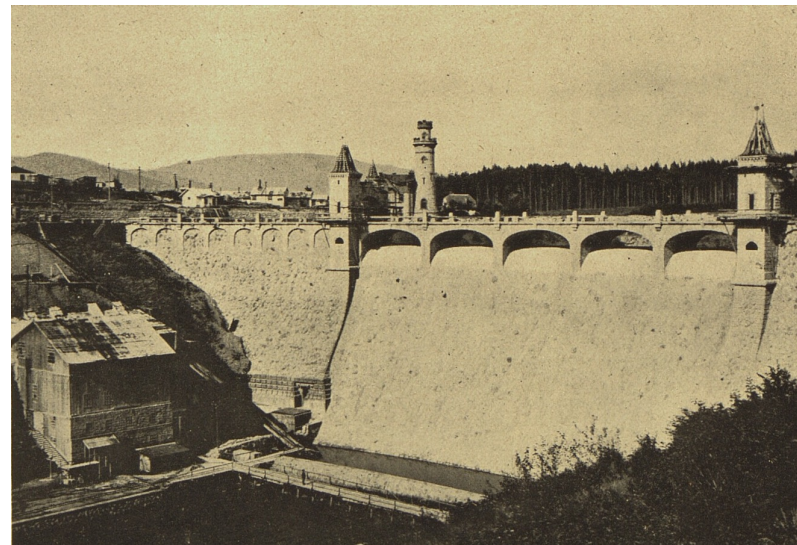
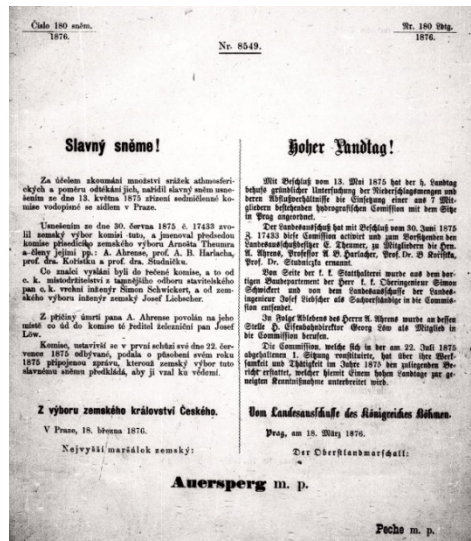
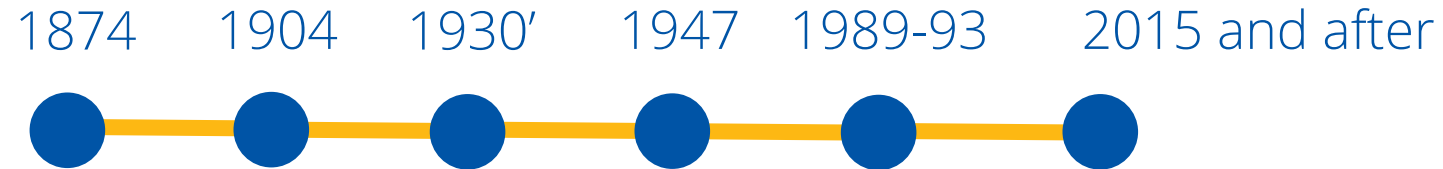
Drought as a natural phenomena

$$P = R + ET + \Delta S$$



Societal Response to Extremes

- Periods of Water Resources Management



Enhancement of people's life through sustainable development of society

Climate resilient society

Drought resilience

Sustainable Water
Resources
Management

Flood resilience

including water quality

Monitoring, assessment and forecasting

Drought risk
management
plan

Water resources
management
plan

Flood risk
management
plan

Drought
emergency
response plan

Flood emergency
response plan



Monitoring
and
Information

Water
Resources /
Demand
Balance

Resilience
and
Developmen
t of Water
Resources

Agriculture
Protects the
Water Resources
Quantity and
Quality

Prevention
of new flood
risk &
protection of
areas at risk

Ecosystems
protection
and natural
water cycle

More
Efficient
Water use
accros the
Sectors

Enhanced
preparednes
s and
resilience of
people and
communitie
s

Basin
managemen
t to
moderate
flood hazard

Achievement
of good status
of water
bodies

Long term ambitions for operational hydrology

- No one is surprised by a flood;
- Everyone is prepared for drought;
- Hydro-climate and meteorological data support the food security agenda;
- High-quality data supports science;
- Science provides a sound basis for operational hydrology;
- We have a thorough knowledge of the water resources of our world;
- Sustainable development is supported by information covering the full hydrological cycle;
- Water quality is known;

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ON SUSTAINABLE DEVELOPMENT FOR THE UNECE REGION



Water for Climate: strengthen water resilience to climate change and disasters

- based on data, information and knowledge
- only if working together