



**University of Natural Resources
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Department of Water, Atmosphere
and Environment



Overview & Introduction



National Workshops

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Itinerary

- 1) ClimaProof Project Introduction
- 2) Introduction to observational data
- 3) Practice session: The CCCA data server & download
- Break*
- 4) Introduction to the climate model scenarios
- 5) Practice session: The Model Selection Tool
- Break*
- 6) Introduction to the Downscaling Tool + practice
- 7) Introduction to the ICC-OBS Tool + practice
- 8) Open discussion and questions

The ClimaProof Project

Project Objective: To reduce vulnerability of road infrastructure to climate change in the Western Balkan by mainstreaming EU best practices on climate proofing infrastructure and green infrastructure

Beneficiaries: Albania, Bosnia and Herzegovina, Croatia, Kosovo (under UNSCR 1244/99), Montenegro, North Macedonia, Serbia

Financed by ADA and co-financed by UN Environment Programme (UNEP)

Climate Change Impacts on Road Infrastructure

- Flooding
- Landslides
- Wash-outs
- Wildfires
- Pavement deterioration



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➔ disruption of transport system

Climate Proofing of Infrastructure Planning and Development
Background Information for EIA



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The ClimaProof Project

Component 1: **Understanding the future climate and weather patterns in the target region**

Strengthening national capacities to understand climate change and related risks in the region by improving the information base

Component 2: **Planning for the future climate and weather patterns in the target region**

Strengthening national capacities to integrate climate change projections & climate proofing in infrastructure development on a national and regional level

Component 3: **Building infrastructure adapted to the future climate and weather patterns**

1) Understanding future climate and weather patterns



- Detailed **gap analysis** on the state of climate change in the Western Balkan region
- Production of an **ensemble of bias corrected climate change projections**
- Development of a tool (ICC-OBS) that allows the **integration of additional local observations**
- **Summer school** on High Resolution Climate Change Projections (July 2018)

2) Planning for the future climate and weather patterns



- **Assessment** of climate change **adaptation policies, EIA and SEA** procedures in place in the countries of the WB region
- **Enhanced technical capacity** to integrate climate change projections and **climate proofing measures into infrastructure development**, in accordance with EU best practices
- **Guidelines** on integrating climate change in EIA and SEA procedures
- **Improved awareness** of both relevant **stakeholders** and **general public** on climate change impacts on road infrastructure, including increased resilience options such as green infrastructure

3) Building infrastructure adapted to future climate and weather patterns



- **Regional strategy** for climate resilient infrastructure development, followed by an **action plan** identifying concrete climate proofing measures, including green infrastructure
- **Guidelines** on EU best practices on economic instruments for climate proofing
- **Fund-raising** and **evaluation mechanism** for projects integrating climate proofing and green infrastructure