

Id: 8778

Key: 0004532134

Theme: Climate risk management and resilience

Sub-Theme: Risk management and systematic reduction of hazards in climate-sensitive sectors, Ecosystem services and nature-based solutions to improve resilience, Others

Format: Oral Communication

Title: CRISI-ADAPT: Climate services to monitor and validate adaptation planning for early time horizons

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Keyword's: Climate services, real-time validation, seasonal forecast, decadal prediction

Abstract Summary

The challenge of the adaptation to climate-related risks is demanded for increasingly closer time horizons. Information on potential impacts modelled from near-term climate prediction is important to support adaptation planning and to deal with the main related natural disasters. The project Climate Risk Information for Supporting ADaptation Planning and operaTion (CRISI-ADAPT) aims to monitor and improve the adaptation planning through a real-time implementation and validation according to near and seasonal range forecast of climate-related natural hazards. As risk management requires a holistic treatment of all interconnected sectors affected, CRISI-ADAPT will provide a democratisation of the climate risk information required by each end-user, according to the vulnerability information of them that is required by each impact model. Therefore, identified available tools and data will be expanded and transparently used to support the adaptation and risk reduction activities planned by city governments, modellers, investors and traders related to all sectors potentially affected by climatic impacts. This includes public services or infrastructures, such as the water sector (treatment, supply and sanitation), energy (generation and supply), commodity (production and commercialisation) among others. Finally, the project is consistently implemented through a standardisation of metrics and climatic analysis criteria to ensure a correct use and interpretation of the possible climate scenarios and forecast uncertainties.