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Session 4: Climate Hazards and Risk forecasts

Title: Value Chain Approaches to Improve Early Warning System

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The weather information value chain provides a framework for characterising the production, communication, and use of information by all stakeholders in an end-to-end warning system. Integrating physical and social science, we explore the value chain as both a way of thinking and a methodology. We draw on the work of a 4-year WMO project that is using value chain approaches to describe and evaluate warning systems for high impact weather. The project is developing guidance and tools for using value chain approaches; and a global database of high impact weather warning case studies that will facilitate scientists and practitioners to review, analyse and learn from previous experience through the lens of the value chain. We will describe the case study template for collecting and analysing information on high-impact weather events and discuss the insights and learnings from its use in several high-impact weather events.