

**CORDEX AFRICA Sahel Group Work Poster 2: Gaps and weaknesses in current climate products and/or services and their effectiveness to meet end-users needs in communities across the West Africa Sahel**

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In this poster we present the weakest links in the chain of end-user climate information needs in the key sectors as agriculture, pastoralism and water resources for food security in the Sahel as identified from a multi disciplinary team approach. Our priority targets for sector specific, value added climate product services are about the onset of the rainy season, length of the season, extremes in temperature and precipitation, trends in extreme events etc. Ways to set up an efficient and reliable climate information communication system to reach end-users in remote communities, including a two way approach for feedback, is investigated in this poster. Metrics and thresholds for homogeneity for a better IAV investigation are also presented. The expected outcome of this research is the development of user-driven climate services that serve to meet the adaptation and decision-making needs of climate vulnerable communities across the Sahel and surrounding small Islands.