

Applications of subseasonal-to-seasonal predictions

While the S2S timescale has long been seen as a ‘predictability desert’, a new generation of S2S predictions are aiming to bridge the gap between weather forecasts and longer-range prediction. Decisions across a range of sectors are made in this extended-range lead time, therefore there is a strong demand for this new generation of predictions, however challenges remain in advancing this timescale. If S2S predictions are to be used effectively, it is important that along with scientific advances, we learn how to develop, communicate and apply these forecasts.

In this presentation, we present the potential of the emerging operational S2S forecasts. We present a review of sectoral applications of S2S predictions, including public health, disaster preparedness, water management, energy and agriculture, and explore the value of applications-relevant S2S predictions – highlighting the opportunities and challenges facing their uptake.

To support the uptake and use of this new generation of products, we also present a soon-to-be-launched global network of researchers, modellers and practitioners called *S2Sapp.net* – a community with a shared aim of exploring and promoting cross-sectoral services and applications of this new generation of predictions.