



## Modes, predictability and skill

Adrian Mark Tompkins  
ICTP, Earth System Physics, Trieste, Italy (tompkins@ictp.it)

Recent research has highlighted the potential for improving predictability in the sub-seasonal to seasonal range. Identifying windows of opportunity to increase forecast skill could be the basis for enhanced, actionable forecasts. The WMO World Weather and World Climate Research Programme's Sub-seasonal to seasonal Prediction Project (S2S) aims to provide predictions from two weeks to two months ahead. This is a critical timescale as the lead time is sufficiently long that much of the memory of the e.g. atmospheric initial conditions is lost and it is too short a timescale for the variability of e.g. the ocean to have a strong influence.