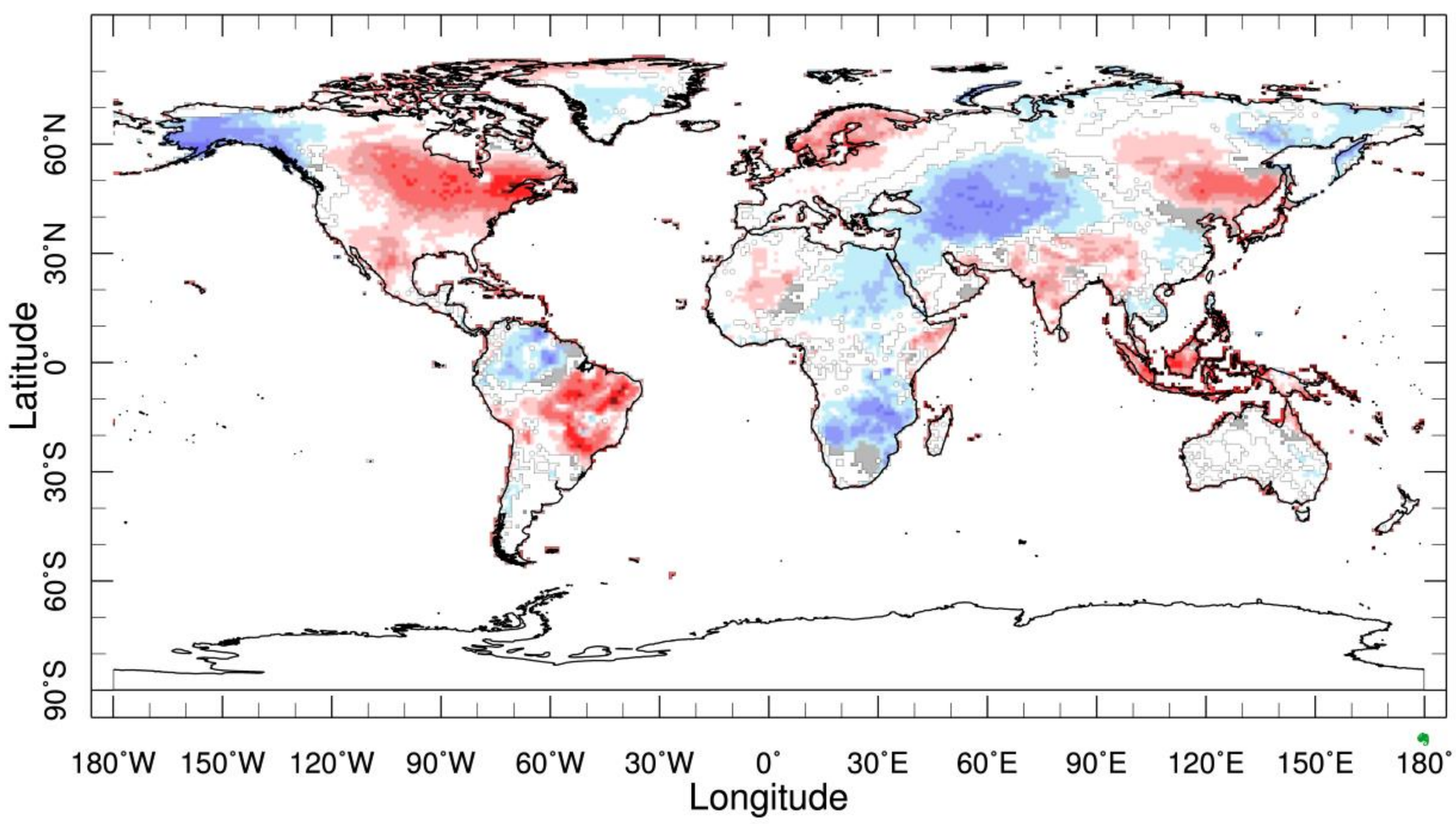
Prize Challenge to improve Sub-seasonal to Seasonal Predictions using Artificial Intelligence

01 June – 31 October 2021

Improved sub-seasonal to seasonal (S2S) forecasts could enhance food security, sustainable energy and water, and reduce disaster risks through early warnings.



The World Meteorological Organization (WMO) is launching a prize challenge to improve current forecasts of precipitation and temperature **3 to 6 weeks into the future** from today's best computational fluid dynamical models using Artificial Intelligence and/or Machine Learning techniques.

The challenge is organized by the World Weather Research Programme (WWRP)/World Climate Research Programme (WCRP) Subseasonal-to-Seasonal Prediction Project (S2S Project), in collaboration with the Swiss Data Science Center (SDSC) and the European Centre for Medium-Range Weather Forecasts (ECMWF).

How will it work? Renkulab will host all the codes and scripts, with training and verification data easily accessible from the European Weather Cloud and data access scripts provided. All the codes and results will be made open access after the competition.

Timeline

- Announcement: 4th May 2021
- Start of the competition: 1st June 2021
- End of the competition: 31st October 2021
- Announcement of winners: 15th December 2021

Prizes

Prizes for the top three submissions:

- Winning team: CHF 15 000
- 2nd team: CHF 10 000
- 3rd team: CHF 5 000

Competition website: https://s2s-ai-challenge.github.io/