

## **README on using the S2S Database climatologies in IRI Data Library (Updated Nov 4, 2020)**

1. The data is archived under  
<http://iridl.ldeo.columbia.edu/SOURCES/ECMWF/S2S/climatologies/>
2. Observations and hindcast climatologies are available for temperature and precipitation, for the common period **1995-2010**, except for :
  - CHIRPS precipitation observations: 1992-2019
  - GCPC precipitation observations: 1997-2019
  - NCEP model climatologies: 1999-2010
3. In order to download S2S data from IRI, the user is required to agree to the ECMWF S2S Terms and Conditions, via signing in to the Data Library's authorization framework: Select the "Social" option near the top of the page and then choose from one of the "Persona" sign-in account options in the drop-down menu that appears, such as Google, Facebook, or Twitter to then gain access to the download options
4. Visualization of the data does not require sign-in.
5. Explanation of Lead grids: Different lead grids are used based upon whether the variable reflects an instantaneous value or the average over a day:
  - L: This represents a lead grid for variables with instantaneous values, with the lead grid starting at the initialization (0.), and pointwidth of 0.
  - L1: This represents a lead grid for variables with instantaneous values, with the lead grid starting at lead 1., and pointwidth of 0.
  - LA: This represents a lead grid for daily average values starting at lead 0.5, and pointwidth of 1.
6. The lead grid for the accumulated precipitation variable varies from model to model based upon the leads that each model makes available. For instance, the lead grid for this variable starts at 0. for ECMWF, HMCR, and ISAC. For the other models the 0. lead is not available -- the first lead is 1.0 (or 0.5 for JMA -- a 12-hour forecast).
7. Examples and coding are available on the IRI wiki  
<https://wiki.iri.columbia.edu/index.php?n=Climate.S2S-IRIDL>
8. Please notify [awr@iri.columbia.edu](mailto:awr@iri.columbia.edu), [agmunoz@iri.columbia.edu](mailto:agmunoz@iri.columbia.edu) of any problems.