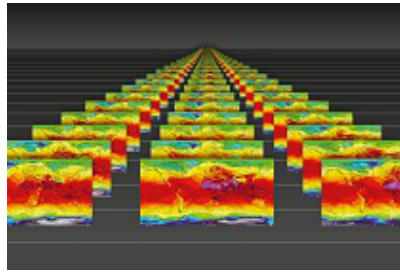


## Workshop on Predictability, dynamics and applications research using the TIGGE and S2S ensembles



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### The TIGGE Tropical Cyclone Track Dataset Archive at NCAR

The National Center for Atmospheric Research (NCAR) Research Data Archive (RDA; <https://rda.ucar.edu>) provides open access to a large and diverse collection of meteorological and oceanographic observations, operational and reanalysis outputs, and remote sensing datasets to support atmospheric and geoscience research. The RDA contains greater than 600 dataset collections which support the varying needs of a continually growing and diverse user community. During 2018, 14,000 unique users downloaded over 2.8 petabytes of data from the RDA, and customized data products were prepared for more than 57,000 user-driven requests.

This presentation will highlight the TIGGE Tropical Cyclone Track (TCT) dataset collection hosted by the NCAR RDA (<https://doi.org/10.5065/D6GH9GSZ>). The TIGGE TCT dataset collection consists of over 325 GB of ensemble model generated tropical cyclone track analysis and forecast products, covering 2006 to the present. Several TIGGE partners have contributed products to the dataset, including ongoing contributions from the European Center for Medium Range Weather Forecasts (ECMWF), National Centers for Environmental Prediction (NCEP, USA), Meteorological Service of Canada (CMC), Meteo France, Japan Meteorological Agency (JMA), and United Kingdom Met Office (UKMO), and legacy contributions from the China Meteorological Administration (CMA) and Korea Meteorological Administration (KMA). Data access is provided through standard web download and Globus (<https://www.globus.org>) transfer capabilities. All products are provided in standard Cyclone XML (CXML) structured data files. An overview of the CXML format and example read programs are provided by the Australian Bureau of Meteorology (<http://www.bom.gov.au/cyclone/cxmlinfo>).

The TIGGE TCT dataset has proven to be popular, with 253 unique web users downloading over 2.3 TB of data since the dataset was created in 2008.

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