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TIGGE and S2S status and developments at CMA

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CMA's latest progress in the development of S2S Numerical Model database Management and Services Including the following aspects (Xing Hu)：
1. Preprocessing of S2S model data. The original big data files sent by the ECMWF is received and disassembled by preprocessing to be easy for the users to obtain the download.
2. Convenient and flexible data retrieval. Provide online access based on HTTP and OPeNDAP protocols, and data sets including historical averages, maps etc. 2D and 3D Visualization for user's easy visual experience.
3. Service statistics. Data volume statistics, user access and usage statistics.
4. Data archiving. Online hard disk for data service, hard disks and tapes for backup.

Current Situation and Future of TIGGE in CMA (FeiFei Yang):
TIGGE forecasting data is a valuable resource of global ensemble forecasting. As CMA is one of the two archive centers in the world, TIGGE data is very important for CMA to improve the accuracy and reliability of weather and climate forecasting on all time scales. The presentation is mainly carried out in the following three aspects.

1. CMA and ECWMF together completed the design and adjustment of TIGGE data format and the establishment of quality control process in non-LDM environment in 2018.

2. About the total amount of TIGGE historical data in CMA, the way of archiving, data management and service.

3. CMA's plan for TIGGE in 2019 mainly includes the upgrade of TIGGE portal website, the establishment of the subsequent filing process of TIGGE data after the change of TIGGE data format, and the discussion on data management and service.

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