Upgrade of Global EPS for one-month prediction

  JMA plans to upgrade its Global Ensemble Prediction System (Global EPS) for one-month prediction on 17th March 2022. In this upgrade, the horizontal resolution of the model will be enhanced and the 2-tier SST method will be updated with using SSTs predicted by the new Seasonal EPS (JMA/MRI-CPS3) for the forecast longer than 6 days.

Table 1. The horizontal resolution of Global EPS

Forecast range	Current Global EPS	Next Global EPS
Initial to 432 hour forecast	Approx. 40km (TL479)	Approx. 27km (TQ479)
432 to 816 hour forecast	Approx. 55km (TL319)	Approx. 40km (TQ319)

The hindcast gridded data and the verification results for the next Global EPS are available on the following website.

・ The hindcast data for the next Global EPS
https://ds.data.jma.go.jp/tcc/tcc/gpv/index.html

・ The hindcast verification results for the next Global EPS
https://ds.data.jma.go.jp/tcc/tcc/products/model/hindcast/1mE.GEPS2203/index.html