

Updating the GMPE

Gary Corlett, Jonah Roberts-Jones,
Emma Fiedler, Alison McLaren

The GMPE

- The GHR SST Multi-Product Ensemble (GMPE) was set-up as part of the OSITA development programme at Met Office
- Now funded through MyOcean2 and maintained by Met Office
- System needs reviewing and updating

Proposal

- Met Office are willing to support updates to the GMPE on a best efforts if GHRSSST agrees to certain terms and conditions
- Met Office and GPO support the establishment of
 - A secondary test/evaluation GMPE
 - Regional GMPEs
- Met Office will provide guidance on how to set-up secondary and regional GMPEs

Minimum requirements

1. Format - GDS2.0
2. Timeliness – Daily, available by 1300 UTC the following day
3. Geographical region – Global
4. Spatial resolution – At least 0.25°
5. Accessibility – ideally via PO.DAAC, but if not possible then ftp from other organisations would be considered
6. Resilience – impact of sensor loss on the analysis system to be qualitatively known (e.g. if loss of sensor would lead to no data being used in analysis in some regions then this needs to be stated)
7. Validation – evidence of quantitative validation of product (e.g. observation minus background statistics, tested in ‘secondary GMPE system’ as detailed in separate document by Emma Fiedler, etc.)

For discussion

- Does the IC-TAG support this proposal?
- An obvious place to set-up the secondary GMPE would be the GDAC
 - Would they be willing to support this system
- Should regional GMPEs be served by the GDAC or by their RDACs?