



S2 : ERA5 dataset assessment

- Assessment over La REUNION climatic zone -

Laurent LABBE

METEO FRANCE (Indian Ocean Regional Center – La Réunion)

laurent.labbe@meteo.fr

Regional Outlook Forum for South-West Indian Ocean countries

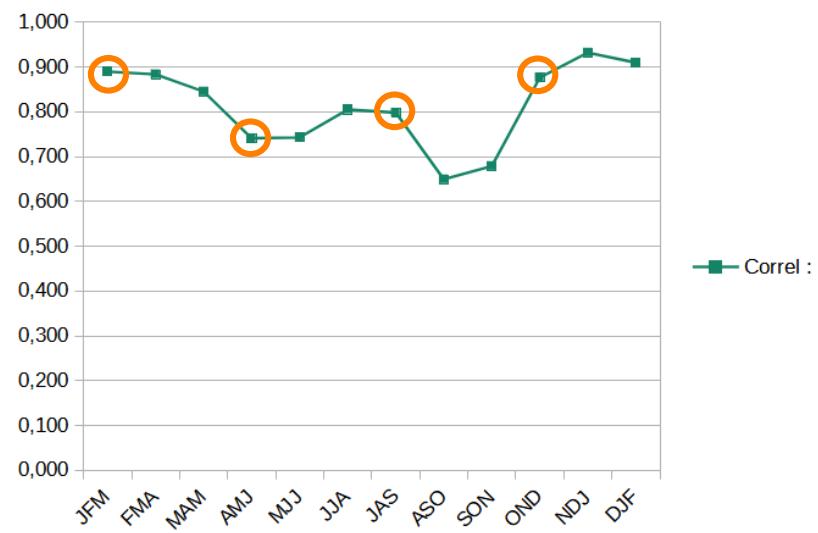
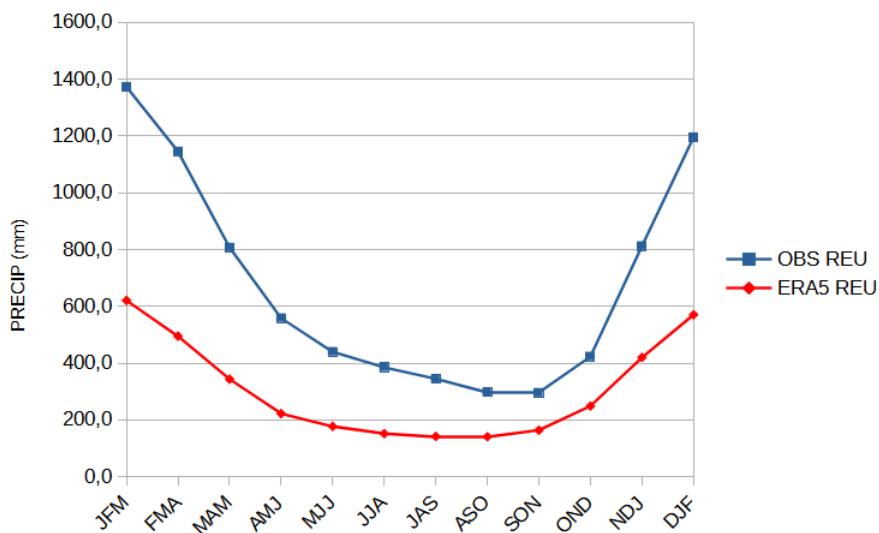
September 20-23 2021

- WebConference -

ERA5 dataset assessment – La Réunion

- La Réunion climatic zone : circular zone 100 km diam. around La Réunion island
- ERA5 dataset = average over the gridpoints inside the climatic zone
- Obs dataset = average over 32 stations

Annual series



- ➔ Absolute values of rainfall show a strong bias : ERA5 cannot represent actual rainfall
- ➔ Quarterly series have a high correlation : interannual variability is correctly reproduced

ERA5 dataset assessment – La Réunion

Seasonal series

