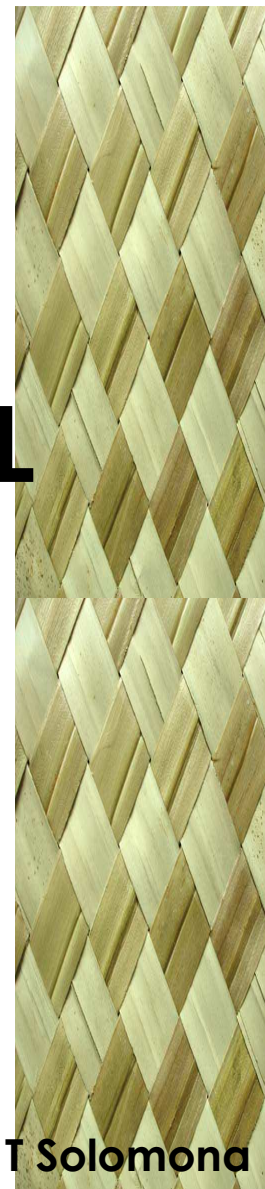




COOK ISLANDS METEOROLOGICAL SERVICES

Tropical Cyclones

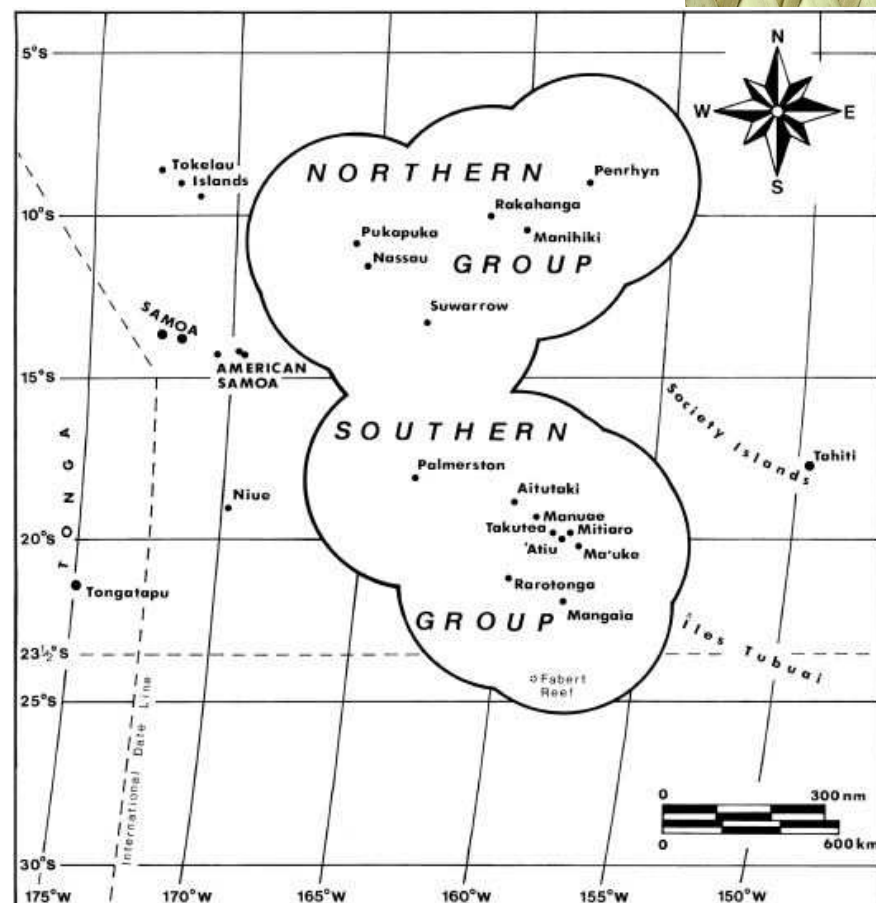
Bouchard T Solomona





COOK ISLANDS

- 15 islands scattered within EEZ of approx. 2.0 million squared km
- Islands divided and identified as Northern Cooks and Southern Cooks
- Population of approx. 17k
- Some islands in the Southern group are volcanic whilst a few share volcanic and atoll features
- All Northern islands are low lying atolls.
- Two seasons (Wet & Dry)
- Climate drivers: SPCZ & ENSO
- Economy relies primarily on tourism and fisheries.





CYCLONE HISTORY

Southern Cooks

➤ 1820 – 2019: ~130

Northern Cooks

➤ 1820 – 2019: ~50



1990 – 2019: 20 casualties

Cyclone Wini

Cyclone Martin





IMPACTS

- Storm Surge
 - Coastal Flooding
- Heavy Rain
 - Flooding
- Strong Winds



- Impacts are generally greater for the Northern Cooks because of the land features and limited resources. (e.g. Cyclone Martin)





IMPACTED SECTORS

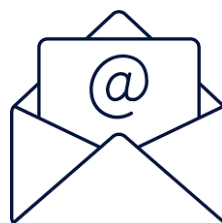
- AGRICULTURE
- TOURISM
- HEALTH & LIVELIHOOD





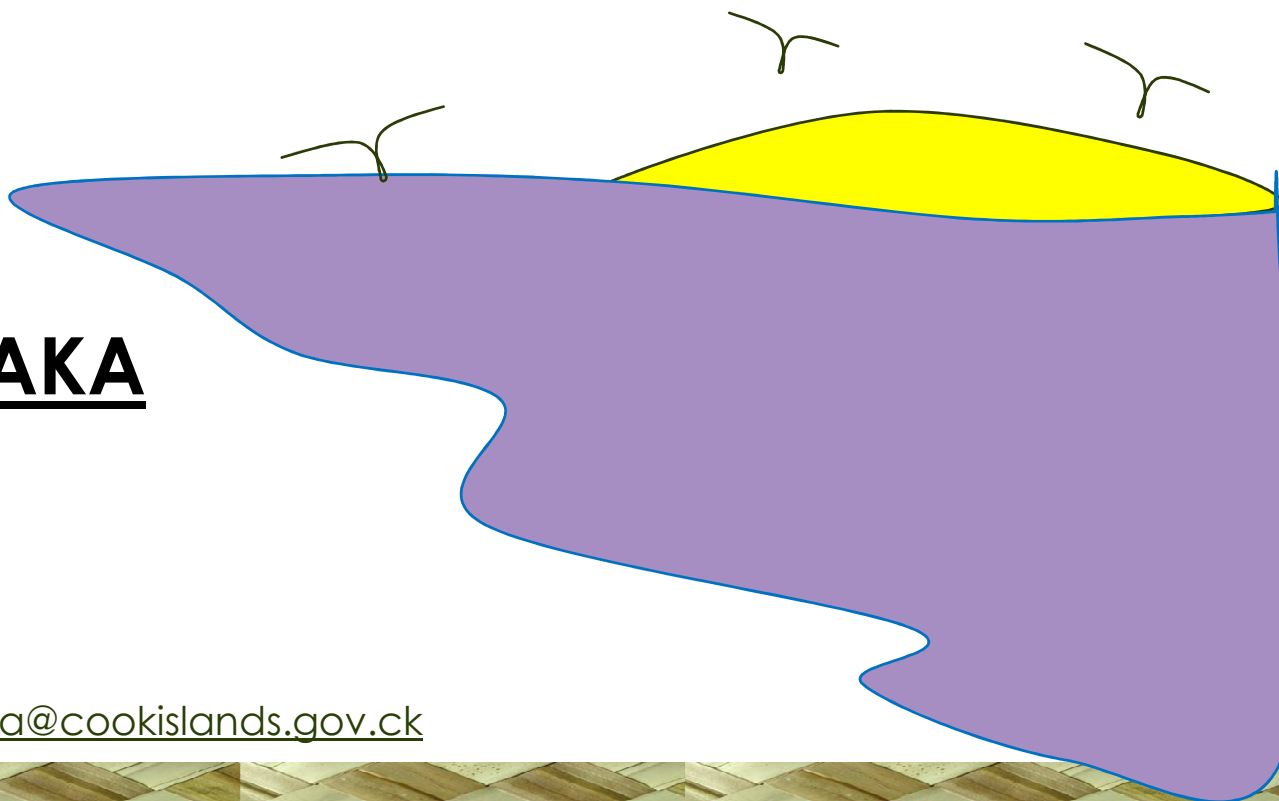
OUR ROLE?

- Warning Center and forefront for such events
- Relay Special Weather Bulletins to NDMO – to EMCI and other appropriate authorities
- Monitor
- Monitoring stage – Met Director joins EMCI as advisor.
- Keep Public Updated (social media, email, tv, radio, word of mouth, text)





MEITAKI ATUPAKA



www.met.gov.ck bouchard.solomona@cookislands.gov.ck

