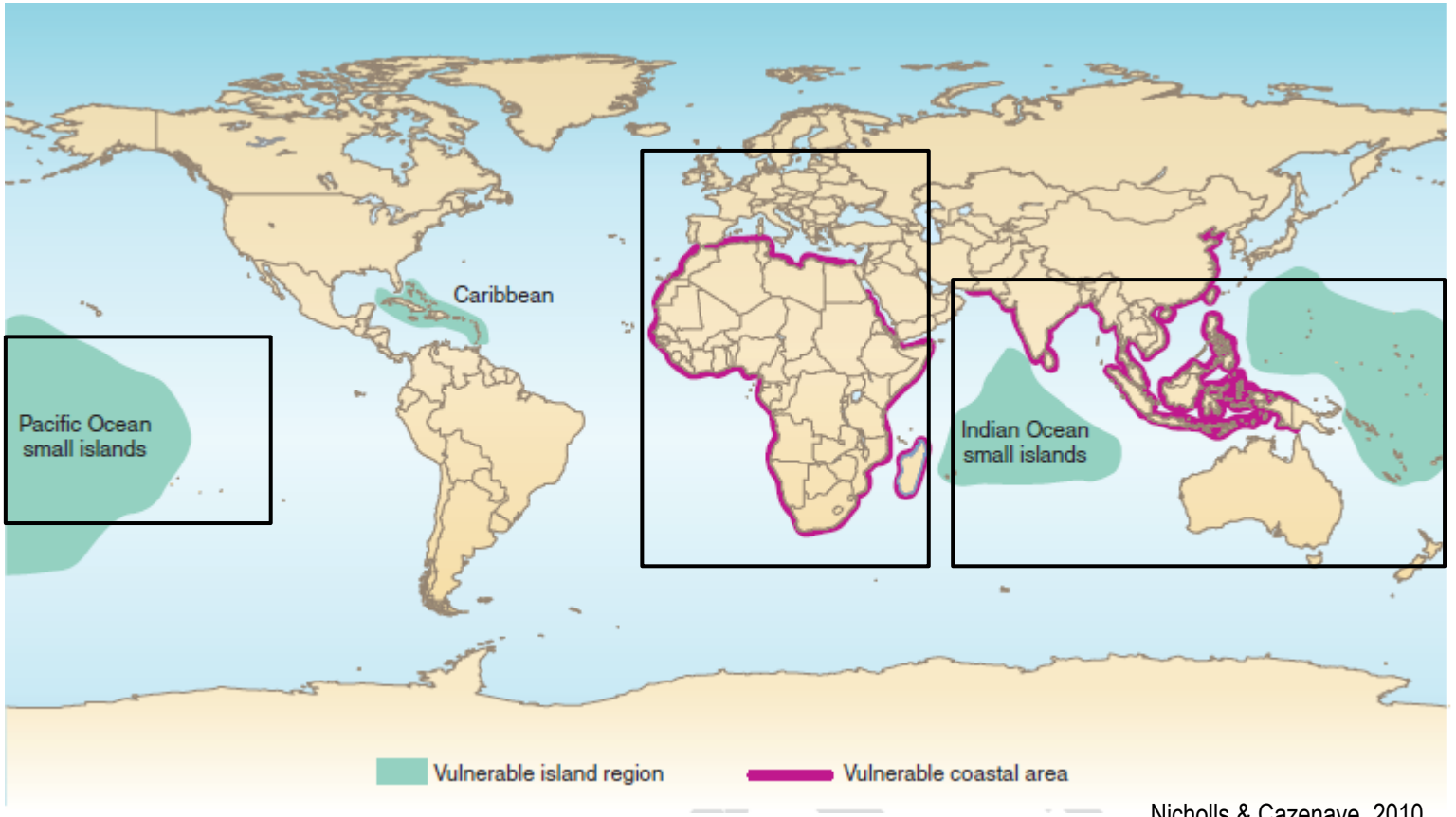
WP1: User Requirement Document

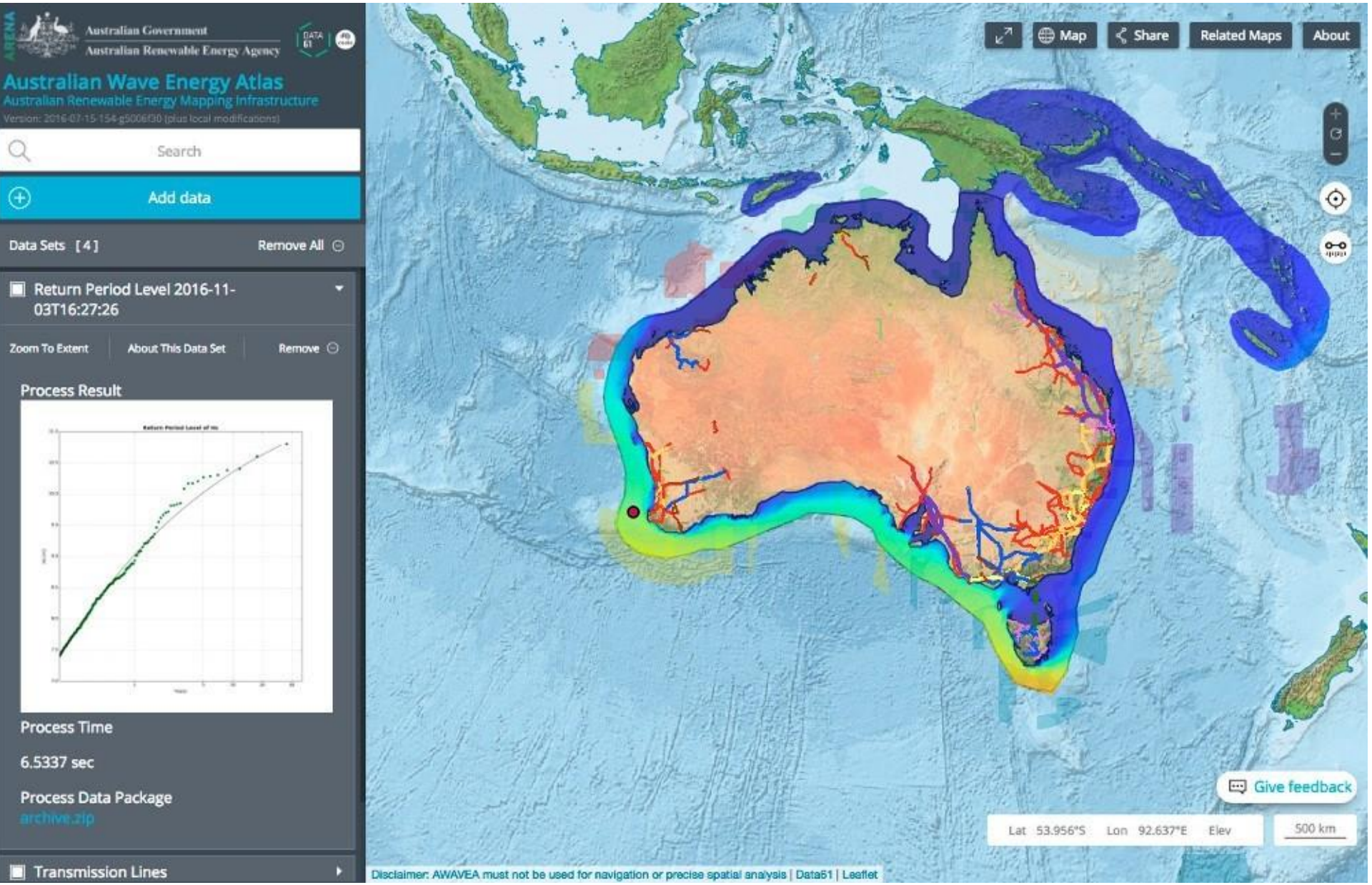
Input :

- Community White Papers prepared for OCEANOB19
- Overview articles from the Special Issue of Surveys in Geophysics (in preparation) → outcome of the ISSO workshop on « Understanding the relationship between coastal sea level and large-scale ocean circulation »
- Informal consultation of the international community (various contacts already underway)
- Detailed information on : (1) study regions, (2) type of products → along-track SLAs, gridded SLAs with increased resolution near the coast + associated errors, (3) record length, (4) trends, ….

Proposed study regions in the CCI+ Sea Level Project



Nicholls & Cazenave, 2010


Australian Government
Australian Renewable Energy Agency
Australian Wave Energy Atlas
Australian Renewable Energy Mapping Infrastructure
Version: 2016-07-15-154-g5006f30 (plus local modifications)
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Disclaimer: AWAVEA must not be used for navigation or precise spatial analysis | Data61 | Leaflet

WP5 : Product Assessment

- **Global and regional scales** → (1) interactions with part 2 on 'Uncertainties'
  (2) Sea level budget assessments at global & regional scales (ESA SLBC project; WCRP)

- **Local scale (coastal)**

→ quantification of various factors affecting coast sea level:
- small-scale currents and changes in sea water density
- trend in waves
- atmospheric forcing (winds, pressure)
- halosteric effects in river estuaries
- …

→ Comparison with high-resolution ocean reanalyses

WP5.2: User Cases 1 & 2

- **User Case 1: Western Africa**

- **User Case 2: Mediterranean Sea**

  taking advantage of many observational programs (TGs, T/S observations) and high-resolution ocean circulation models (eg, http://marine.copernicus.eu/services-portfolio/access-to-products/?option=com_csw&view=details&product_id=MEDSEA_REANALYSIS_PHY_006_009)