



Partners



















Funded by:



International Partnership Programme (IPP)







Goal: Help build Disaster Resilience, enhance Food Security and Support Climate Finance Applications



Geospatial and climate
Data and decision-support
Tools



Capacity building of:

Technical staff

Specialised analysts

Decision makers

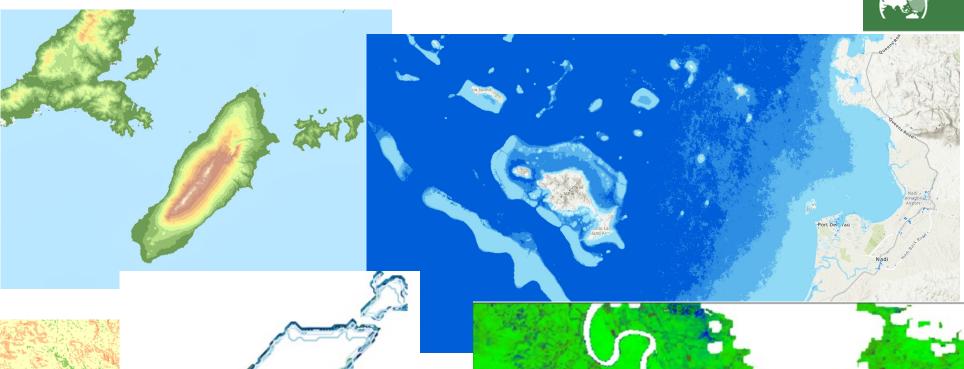


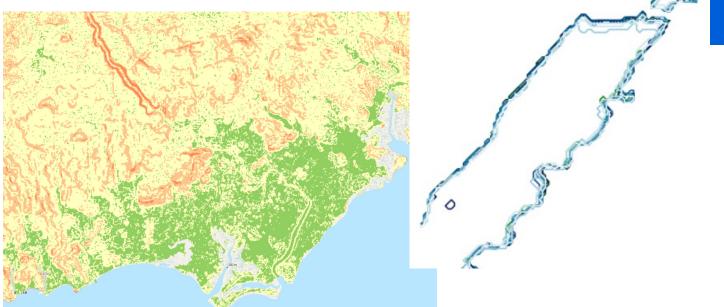


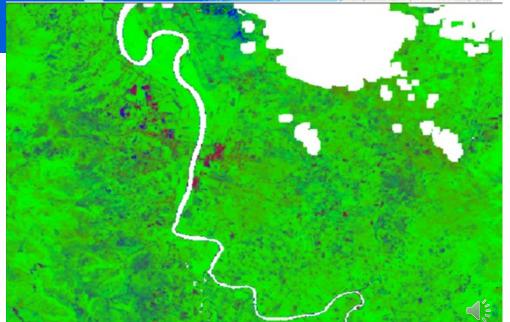
- **Collated** datasets from various sources (including MLMR, NDMO, FRA, HDX, HOTOSM, PacGeo, UNEP, SPREP, JRC, JAXA, PopGIS, World Bank, Census and Facebook).
- Created the following datasets:
 - Climate Models (ERA5, ERA5 Land, CMAP, GPCP, TRMM, CRU, NCEP/NCAR, ENSO + Pacific Climate Finance)
 - Digital Elevation Models (30m and 12.5m resolution)
 - Elevation Zones
 - Slope Classes
 - Relative Bathymetry
 - Mangrove Forests
 - Sugar Plantations
 - Cube ARD Products (Sentinel-1, Sentinel-2, Landsat 4, 5, 7 and 8, SPOT 1 to 5, Water Masks, Geomedian)
 - Cube On-Demand Products (Geomedian, S-1 Median, Fractional Cover, Water Change, Water Permanency, Water Quality, Shoreline Extraction, Mosaic Indices, NDVI Anomaly, Vegetation Change, Land Change).













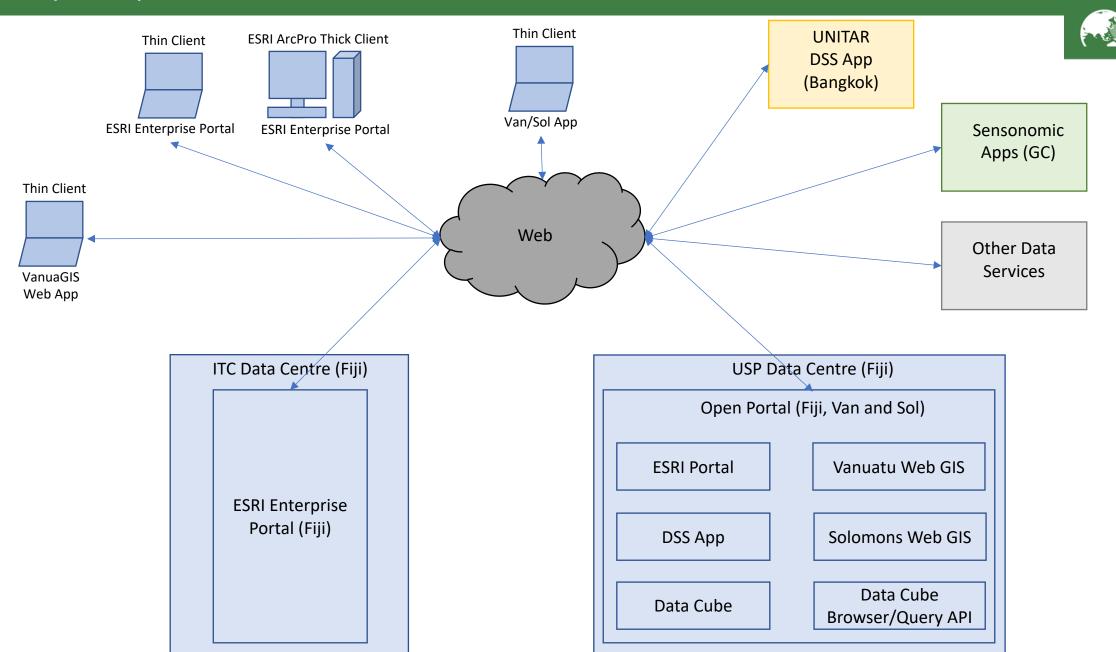


- ESRI Enterprise Portal for Fiji complete with a Sites homepage, a Data Catalogue and Apps including:
 - Climate Information Application
 - Map Explorer Application
 - Risk Information Application (with 3D Scene Viewer)
- ESRI ArcOnline Decision Support System (DSS) for Fiji, Vanuatu and Solomon Islands
- Open Source Data Cube for Fiji, Vanuatu and Solomon Islands
- Bespoke Agriculture Apps for Fiji, Vanuatu and Solomon Islands
- Open Portal with Apps for Fiji, Vanuatu and Solomon Islands including:
 - Open Source Vanuatu Web GIS
 - Open Source Solomon Islands Web GIS
 - Open Source Data Cube Browser
 - Open Source Data Cube Query API

Tools (cont.)



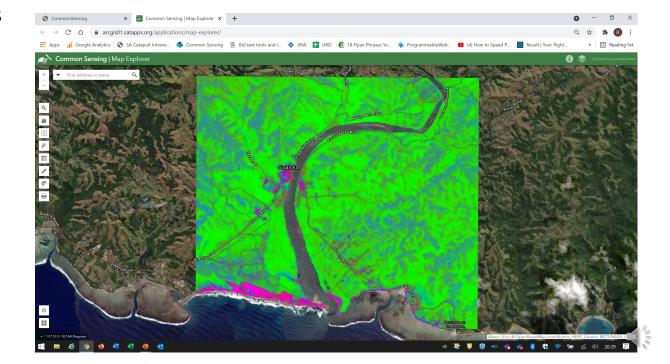
IPP COMMON SENSING





(apacity Building)

- Remote and on-site training of Technical users in the CommonSensing data and tools
- Remote and on-site training of Government decision-makers and Climate Finance Advisors in appropriate use of CommonSensing data and tools
- Ongoing support of Technical users in the CommonSensing data and tools
- User Guides, Operations Manuals, online resources





Application to Climate Finance

- CS Data and Tools can be used at **all stages** of a Climate Finance Project:
- **Pre-Feasibility Stage:** collation of on-the-shelf GIS datasets to see if data evidences the Project rationale, to inform decisions, to identify data gaps.
- **Proposal Stage:** on-the-shelf GIS datasets and data processing to produce new or improved datasets for context mapping, feature mapping, spatial/temporal planning, multi-criteria analysis, spatial queries, inputs into engineering models, environmental/visual impact assessment etc.
- Implementation Stage: baseline establishment, ongoing unbiased monitoring (construction, or environmental impact).
- **Monitoring Stage:** baseline establishment, ongoing unbiased monitoring of improvements/benefits and environmental impact, justification for further work or similar Projects.



Thank you!

