Pacific User Needs

Wolf Forstreuter SPC GEM

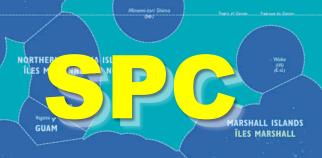
"Space: a Tool for Accessibility, Diplomacy and Cooperation"





FRENCH POLYNESIA POLYNÉSIE FRANCAISE





CORAL SEA

- · 600 specialists and support staff
- leadquarter in New Cal



Implementation of technology, knowstanow transfer

Image Data Centre (Past)

- Advice which data is available
- Advice which data is suitable
- Assistance the data purchase
- Data pre-processing
- Data transfer to countries
- Backup





Image Pre-Processing



Small Islands, Large Ocean

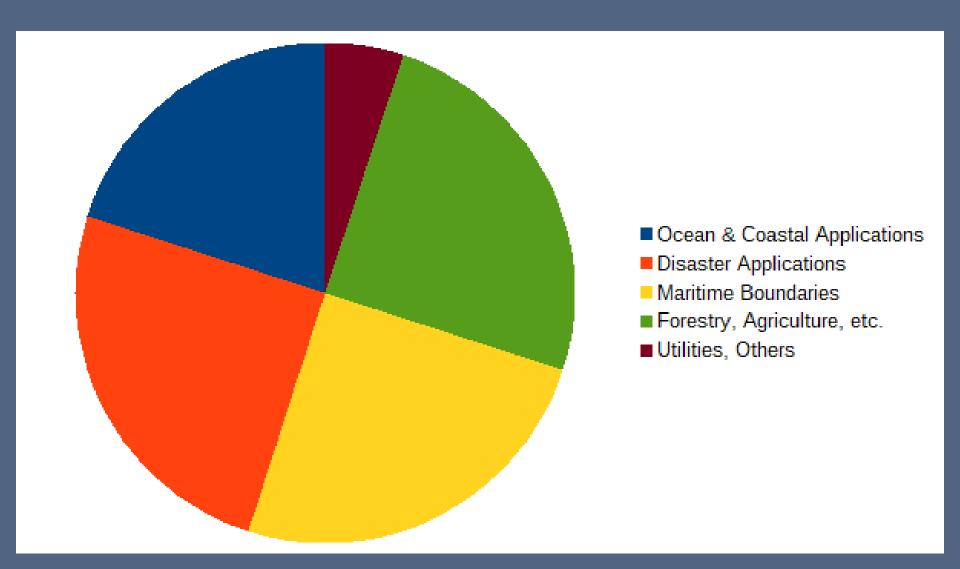
- Atmospheric correction
- Object specific contrast enhancement
- Image pan-sharpening

Islands Atoll - Volcanic

 Volcanic: Fiji, Vanuatu, New Caledonia, Samoa, Solomon Islands, PNG

 Atoll Islands: Kiribati, Marshall Islands, Federated States of Micronesia, Palau, Tonga, Tuvalu, Palau, Guam, Wallis & Futuna, Niue, Nauru

Data Demand VHR IMG



Satellite Position



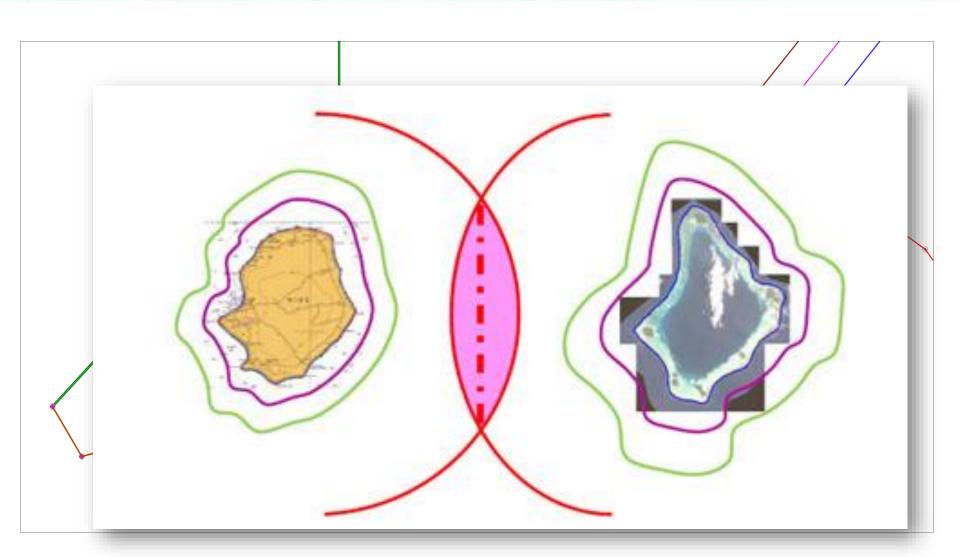


X, Y and Z Position extremely accurate

High Geo-Accuracy

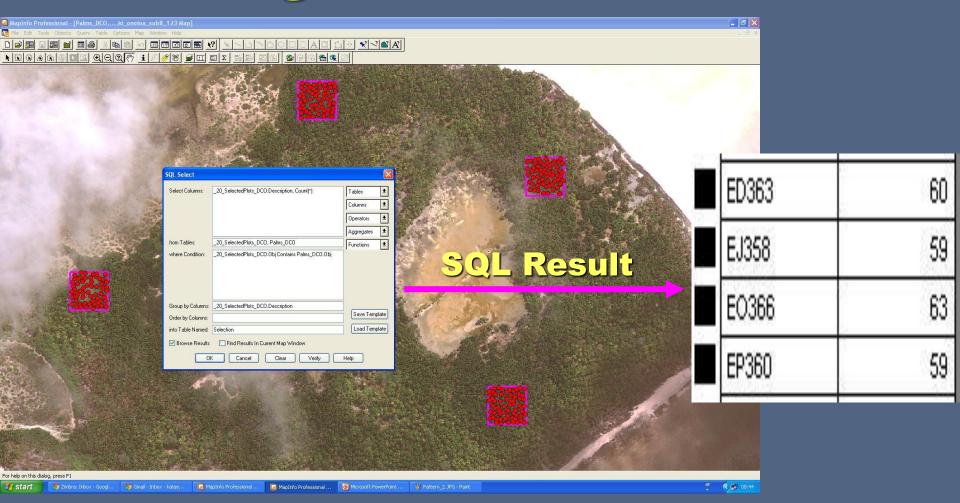
Torrs Strait & Dog Leg Region







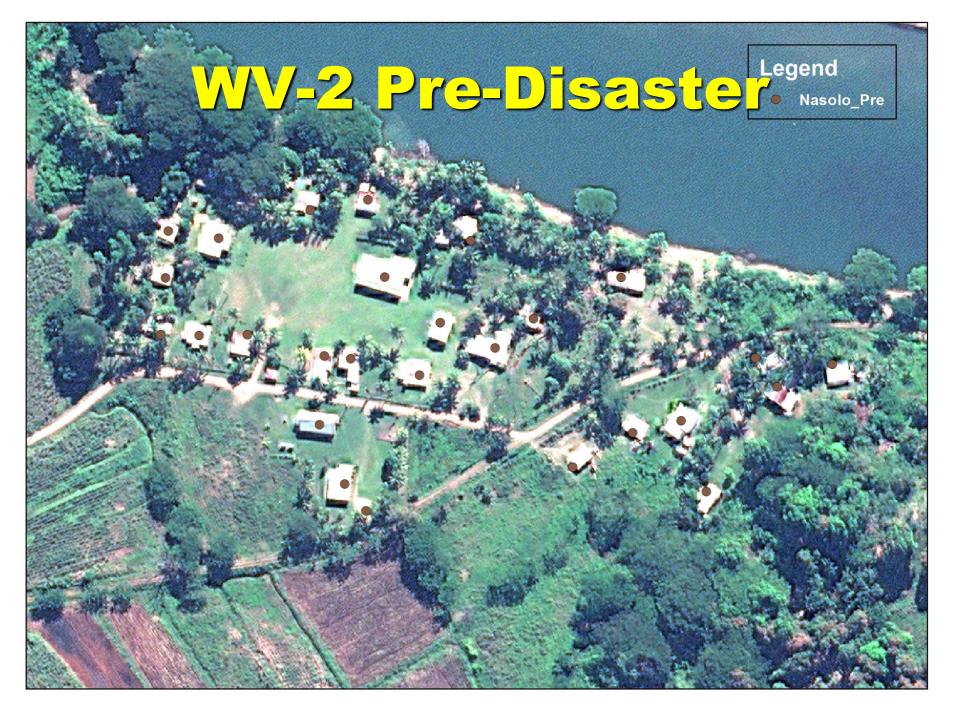
Counting in GIS Environment



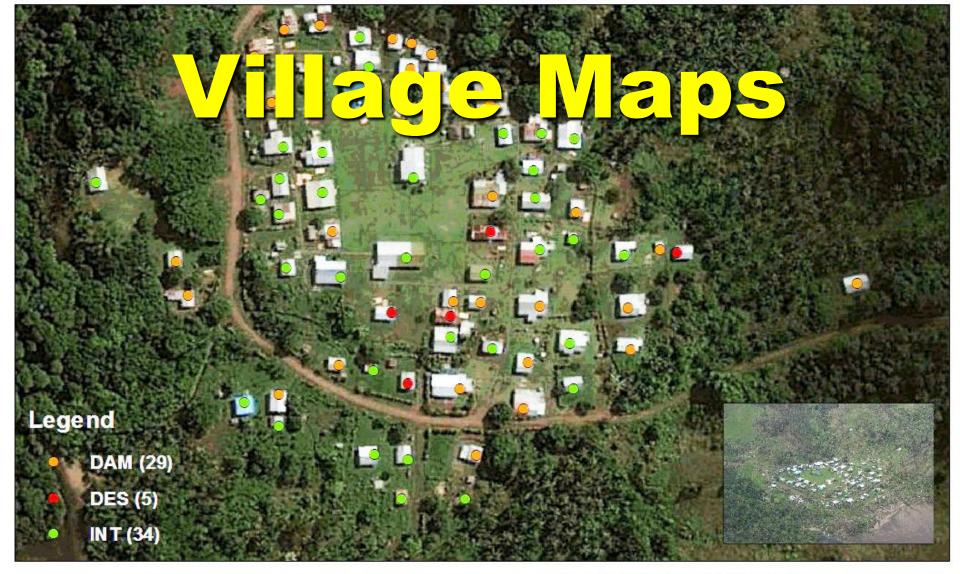
GIS automatically counts the number of palms within the plots

Data Requirements

- Rate of deforestation and partly land use mapping in volcanic islands Landsat and Sentinel
- All other applications at 1:10,000 scale need very high resolution image data







TC WINSTON BUILDING DAMAGE ASSESSMENT
Nawaido Village, Bua

Coordinate System: GCS WGS 1984 Datum: WGS 1984 Units: Degree







0 0.0275 0.055 0.11 Kilometers

Need for fast Disaster Assessment:

- Very high resolution
- Recorded one day after cyclone
- Fast delivery
- Very high resolution for predisaster assessment
- Radar for flood mapping





Thanks



http://www.picgisrs.org/

https://www.facebook.com/PacGISConf/