- 600 specialists and support staff
- Headquarter in New Caledonia
- SPC covers 22 Pacific Island States

Implementation of technology, know how 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

DigitalGlobe™

RESTEC
Remote Sensing Technology Center of Japan
Image Pre-Processing

- Image stitching
- Haze removal
- 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
Satellite Position

X, Y and Z Position extremely accurate

High Geo-Accuracy
Torrs Strait & Dog Leg Region
Vegetation Monitoring

• Deforestation rate
• Forest degradation
• Land use mapping
• Food security
• Work income
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
Also: Oblique Photographs
Village Maps

Legend
- DAM (29)
- DES (5)
- INT (34)

TC WINSTON BUILDING DAMAGE ASSESSMENT
Nawaido Village, Bua

Coordinate System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Need for fast Disaster Assessment:

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

http://www.picgisrs.org/

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