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INSIGHT

« Digital Imagery,
Geographic Information Systems
and High Technologies »

1

WHO WE ARE

2

OUR
VALUE-ADDED
ROLE

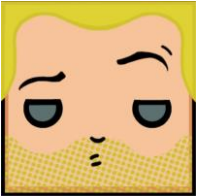
3

APPLICATIONS

An aerial photograph of a tropical island with a large green square overlay. The island has a dark green, forested interior and a light green, sandy beach. The surrounding water is a deep blue. A large green square is centered over the island, with the text "WHO WE ARE" in white. A black circle with the number "1" is in the top left corner. There are three smaller green squares: one at the bottom left, one at the bottom right, and one on the right side of the main square.

1

WHO WE ARE



JEAN



SÉBASTIEN



JD

A team...

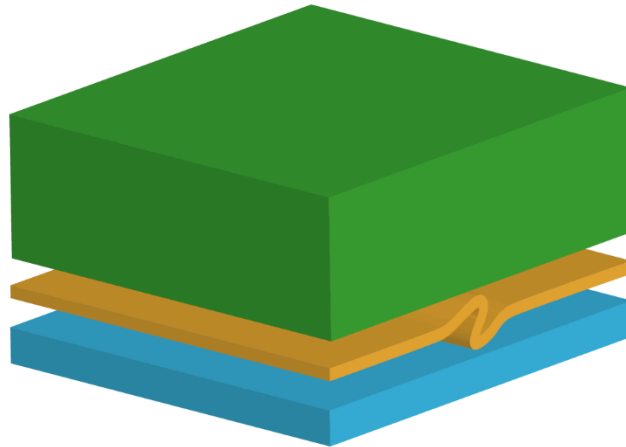
- **DSP** : 2 tier III
redundant Datacenters
- **Can'l**: Internet Provider
- **Le Cube** : Pool of IT
engineers

...with internal ressources...

...and worldwide Partners



FIJI REPRESENTATIVE



3SPROSPECT

BUSINESS, ENVIRONMENT & GEORESOURCES SOLUTIONS

An aerial photograph of a river delta, showing a complex network of water channels and land. A large, semi-transparent blue rectangle is centered over the image. In the top-left corner of this blue rectangle, there is a black circle containing the white number '2'. The text 'OUR VALUE-ADDED ROLE' is written in white, uppercase letters in the center of the blue rectangle. There are also several smaller, solid blue squares scattered around the main blue rectangle.

2

OUR VALUE-ADDED ROLE

MISSIONS AND COMPETENCES

- Satellite Imagery **Supplier** (both Optical and Radar)
- Satellite, Aerial et UAV imagery **Processing**
- **Support** our customer in expressing their needs & requirements, with Duty of Advise (imagery choice, ground control points positioning, etc.)
- **Creation** of dedicated value-added products, solutions and services

A satellite map of Indonesia is shown, with a large, semi-transparent blue rectangle overlaid on the central part of the archipelago. In the top-left corner of this blue rectangle, there is a black circle containing the white number '3'. The word 'APPLICATIONS' is written in white capital letters across the center of the blue rectangle. Several smaller, semi-transparent blue squares are scattered around the main rectangle, some overlapping its edges. The background is a detailed satellite image of the Indonesian archipelago, showing the islands of Sumatra, Java, and Sulawesi, along with the surrounding ocean and clouds.

3

APPLICATIONS

APPLICATIONS



Environnement

- Forestry
- Agriculture
- Health
- Biodiversity
- Sustainable Development



Territory Management

- Cartography
- Urban Planning
- Land Registry
- Country Planning



Mines & quarries

- Geology
- Stocks Inventory
- Environnemental Impacts
- Deforestation
- Revegetation



Crisis Situation

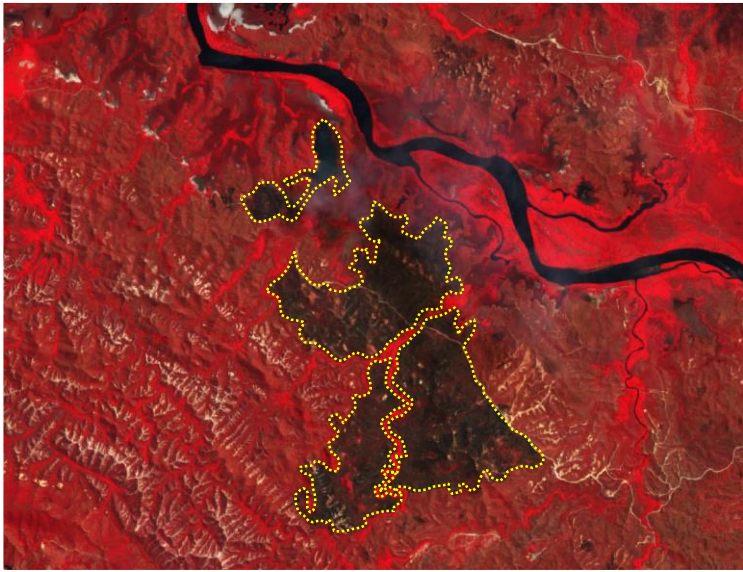
- Natural Hazards
- Ground Movements
- Bush Fires



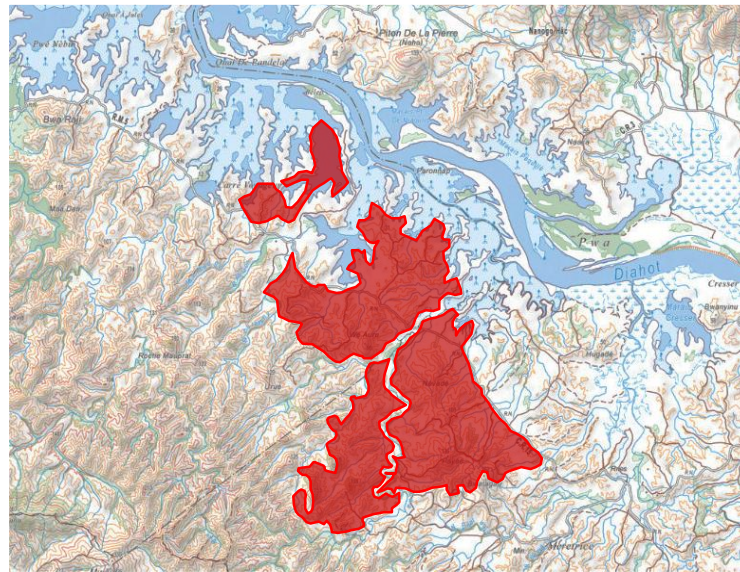
Maritime Surveillance

- Pollution
- Maritime Monitoring
- IUU Fishing
- Maritime Rescue
- Immigration
- Narco traffic

MONITOR BURNED AREAS



INPUT



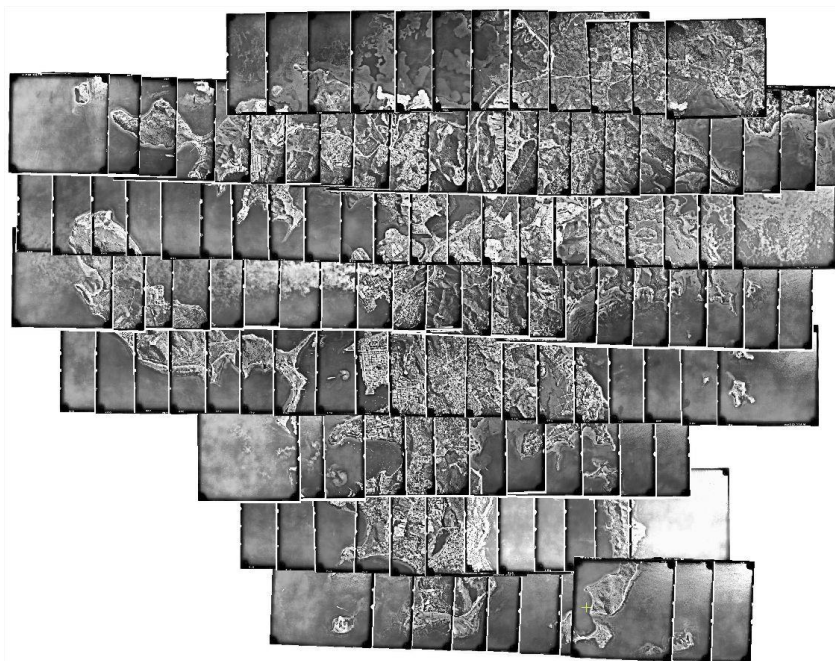
OUTPUT



DIFFUSION

MAKE THE MOST OF YOUR HISTORICAL IMAGERY

Historical Aerial Imagery



Noumea 1954 – No GCP/metadata...
(*Geomaticians nightmare !*)

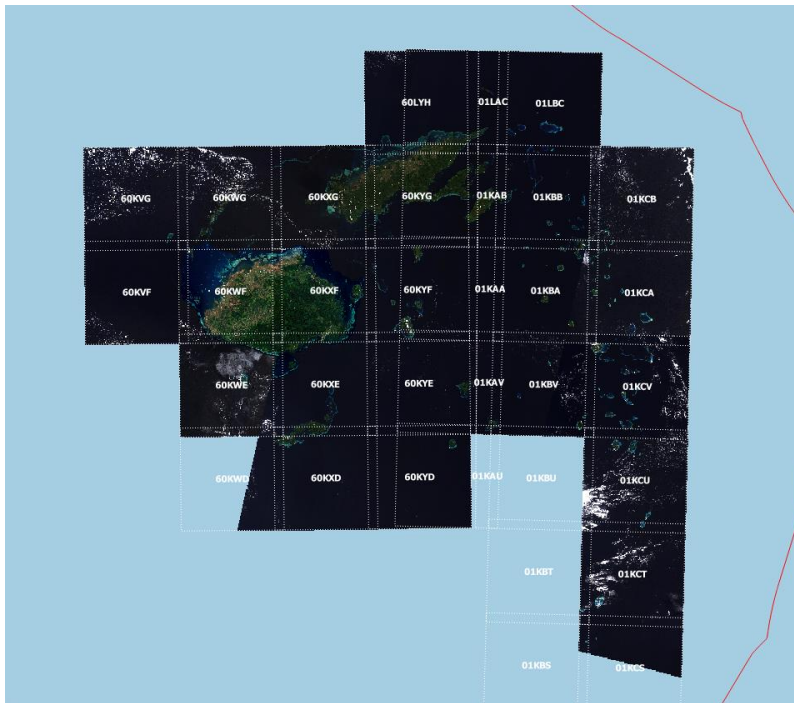
Mosaic – Fully Enhanced



© Processing INSIGHT : source image DITTT - Gouv NC - 1954

GET THE FULL PICTURE

Country size Mosaics (Non Commercial/Commercial Imagery)

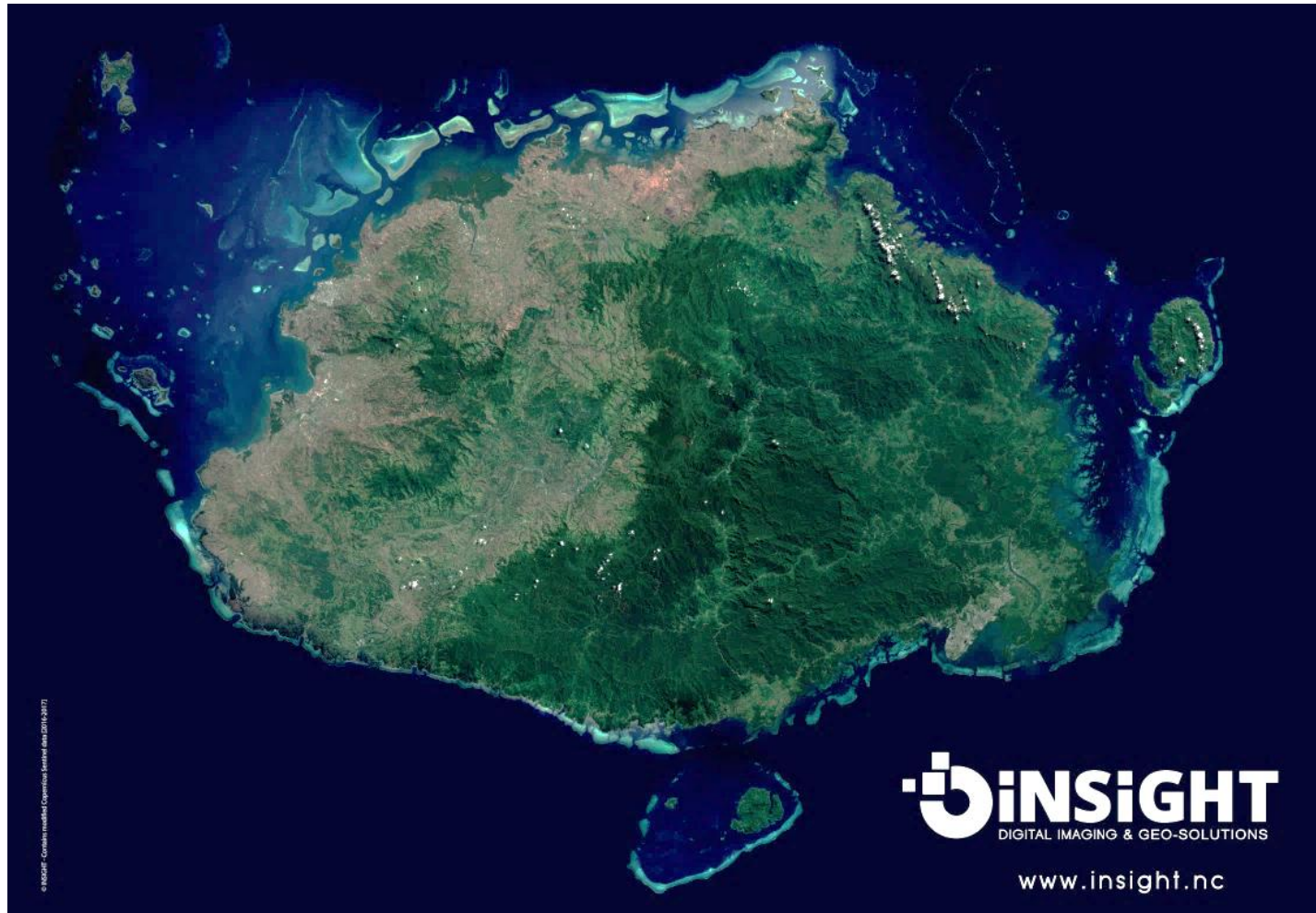


Fiji-Sentinel 2-2016/2017



New Caledonia -PHR-2017

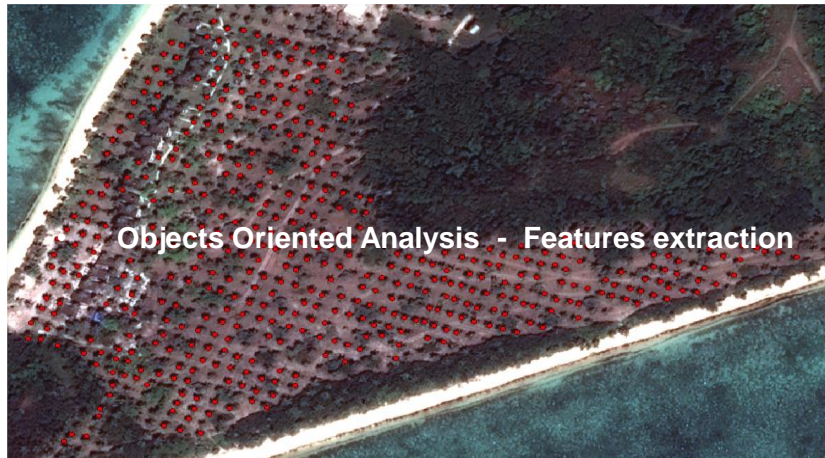
GET THE FULL PICTURE



© Processing INSIGHT : source image COPERNICUS

CREATE REFERENCE DATA

Elevation models, Mapping, Feature Extraction...



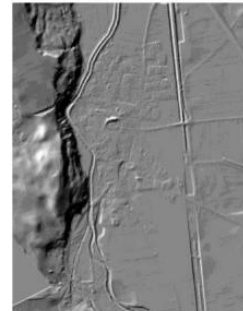
MAP YOUR AIRPORTS

AMDB / ETOD

Airport Mapping Database / Electronic Terrain Obstacle Data



Digital Surface Model

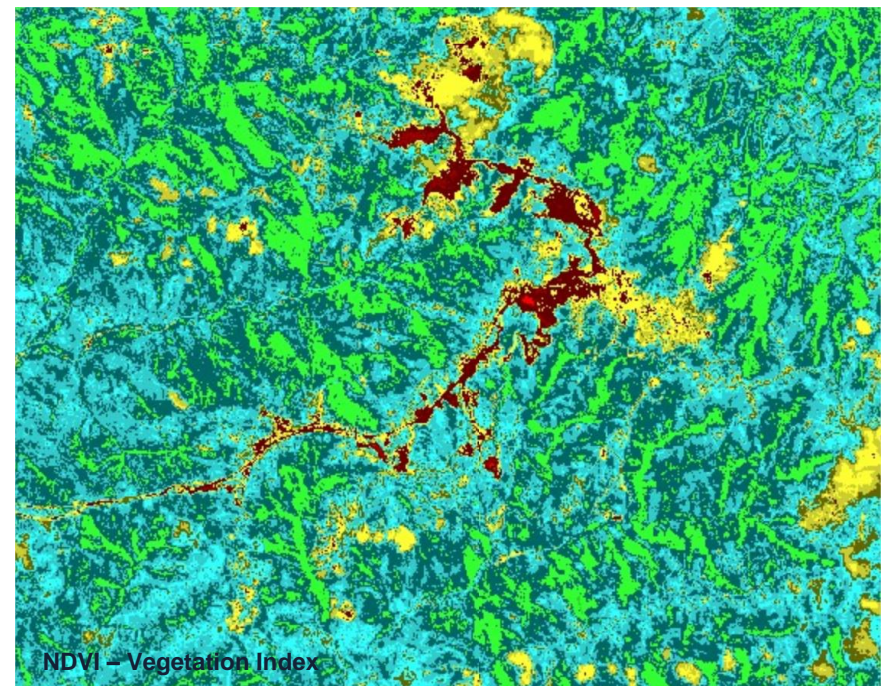
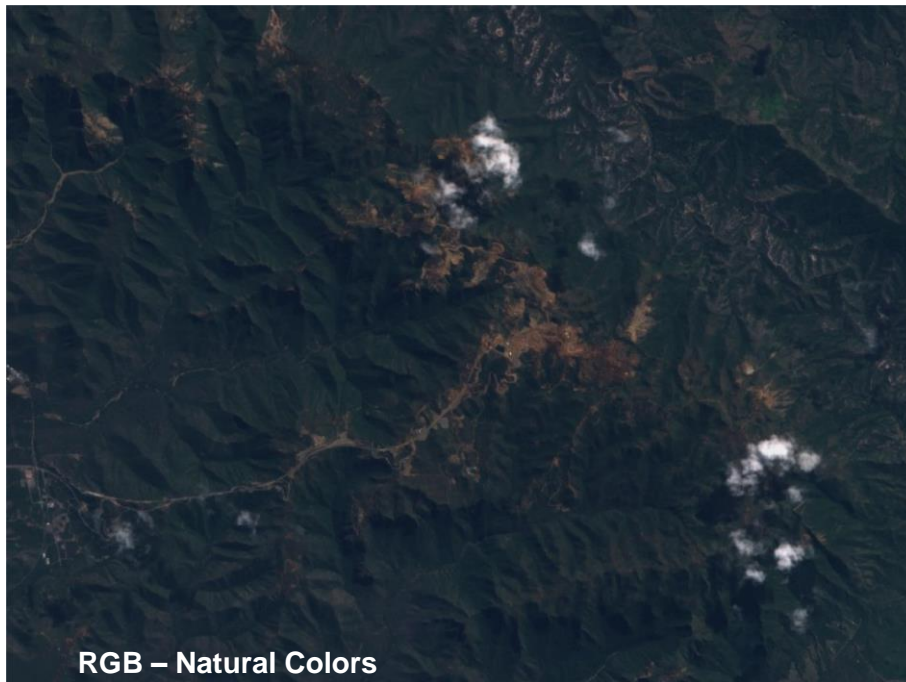


Digital Terrain Model



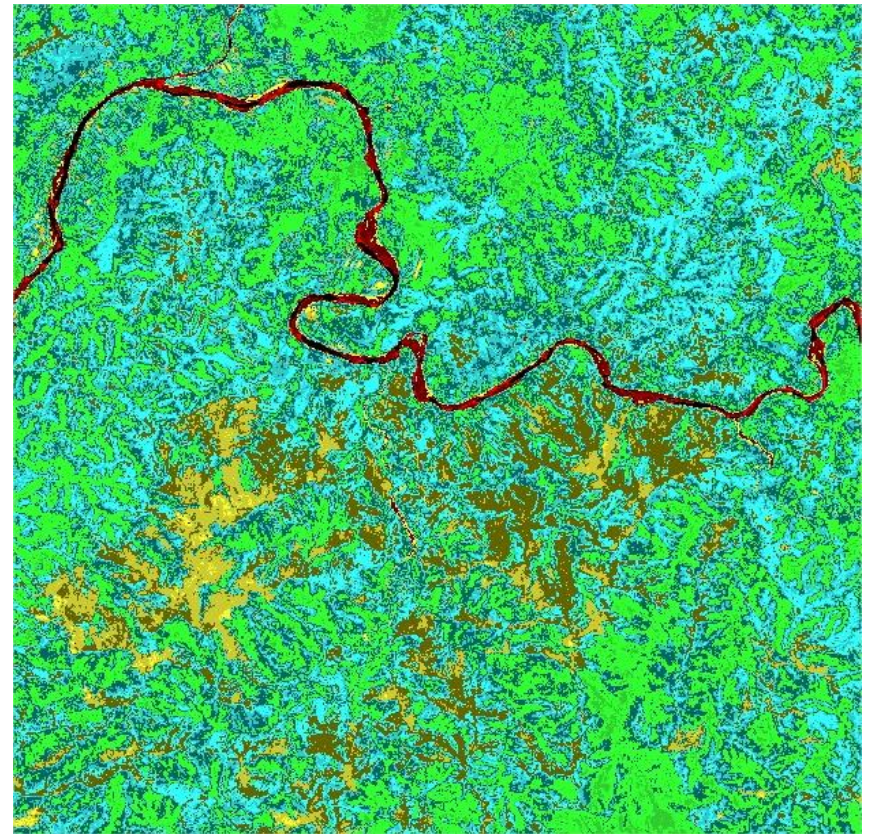
IDENTIFY IMPACTS

Monitoring of land clearing / deforestation

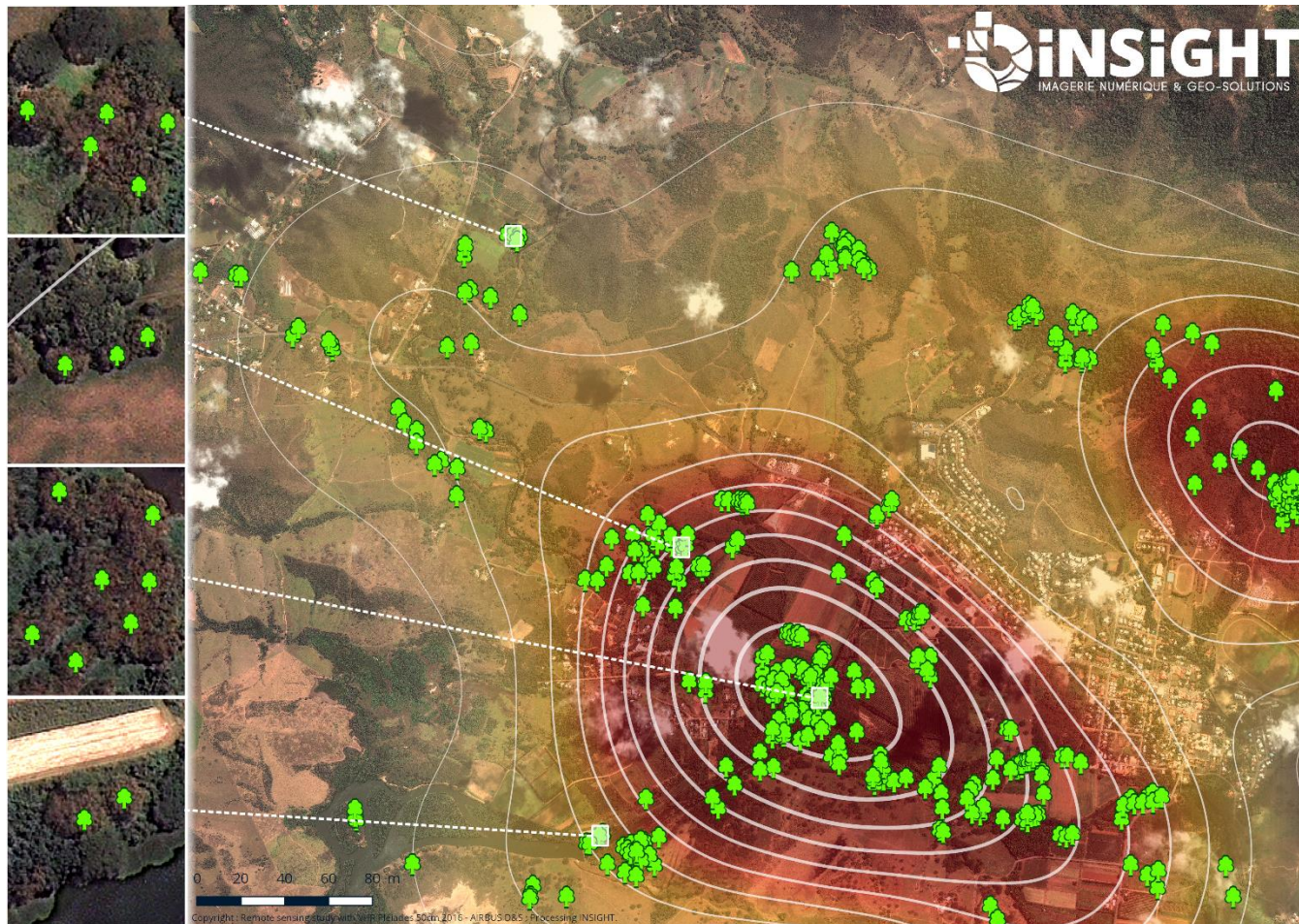


KNOW YOUR RESSOURCES

Forestry ressources monitoring / Classification



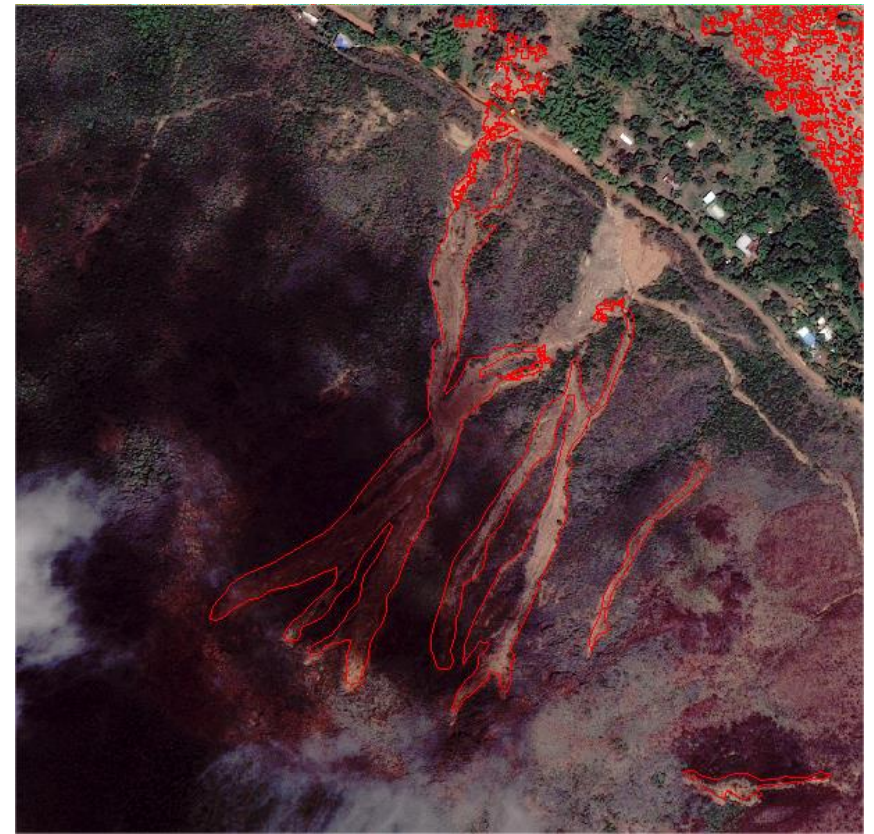
IDENTIFY SPECIFIC SPECIES



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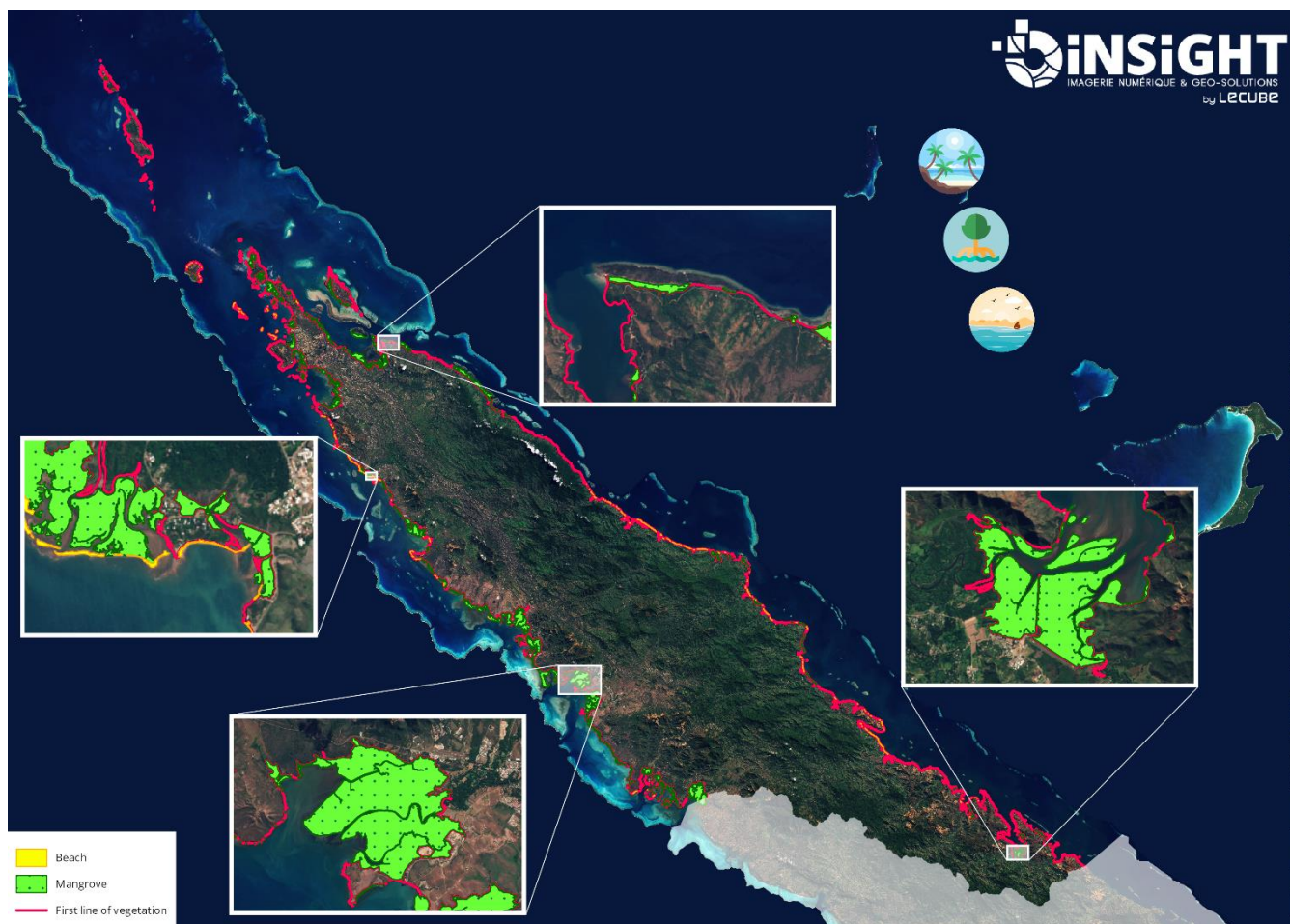
CHANGE DETECTION IN EMERGENCY CASES

Landslide in Wa Wii Lü, New Caledonia



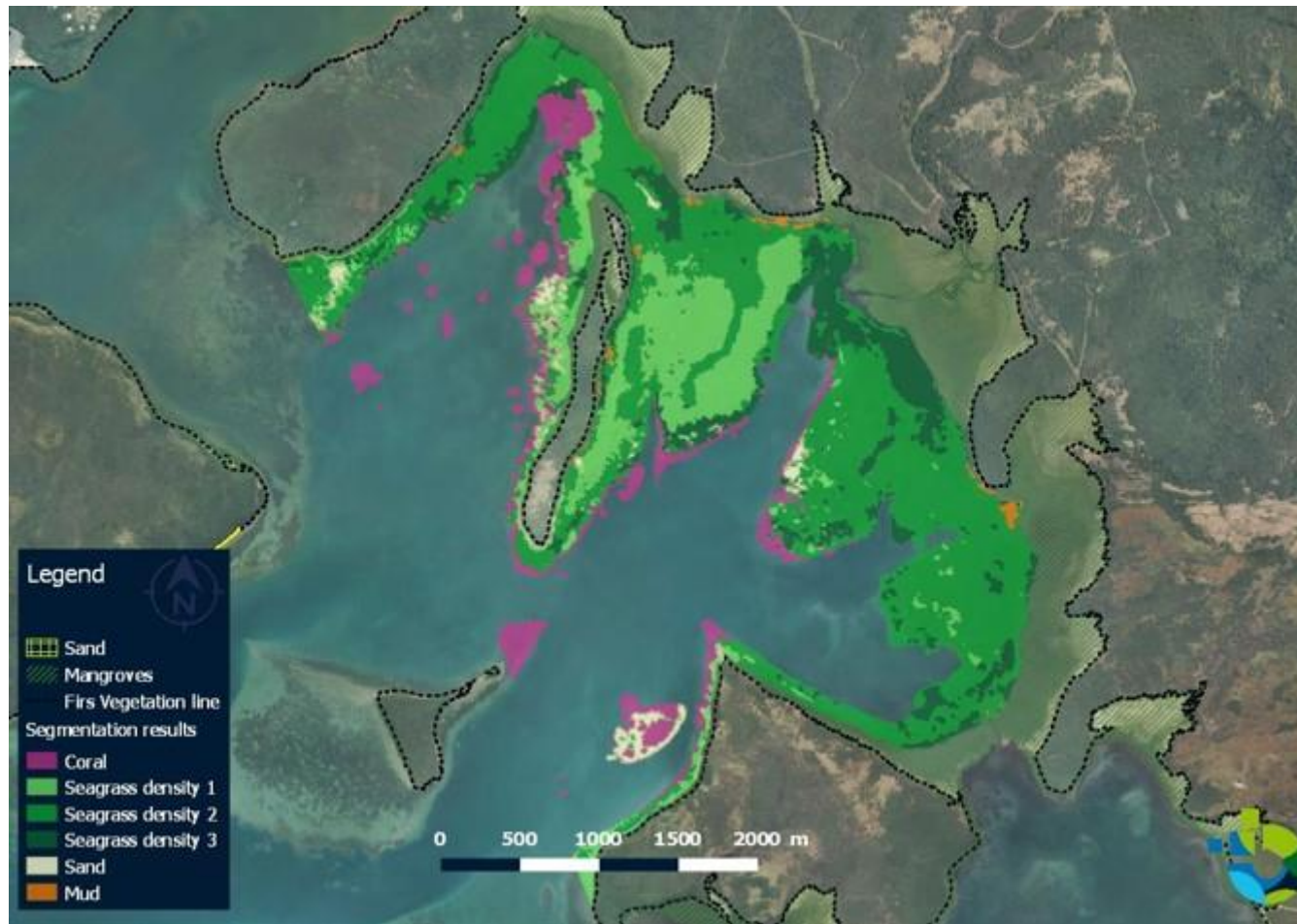
© Processing INSIGHT : source image ADS Pleiades VHR - 2016

COASTAL CLASSIFICATION AND MONITORING



© Processing INSIGHT : source image ADS Pleiades VHR - 2017

COASTAL CLASSIFICATION AND MONITORING



© Processing INSIGHT : source image ADS Pleiades VHR - 2013

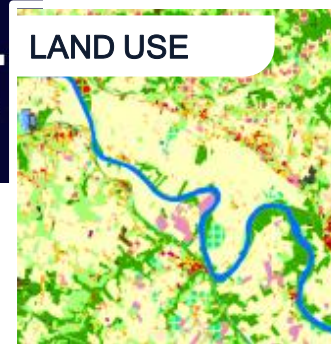
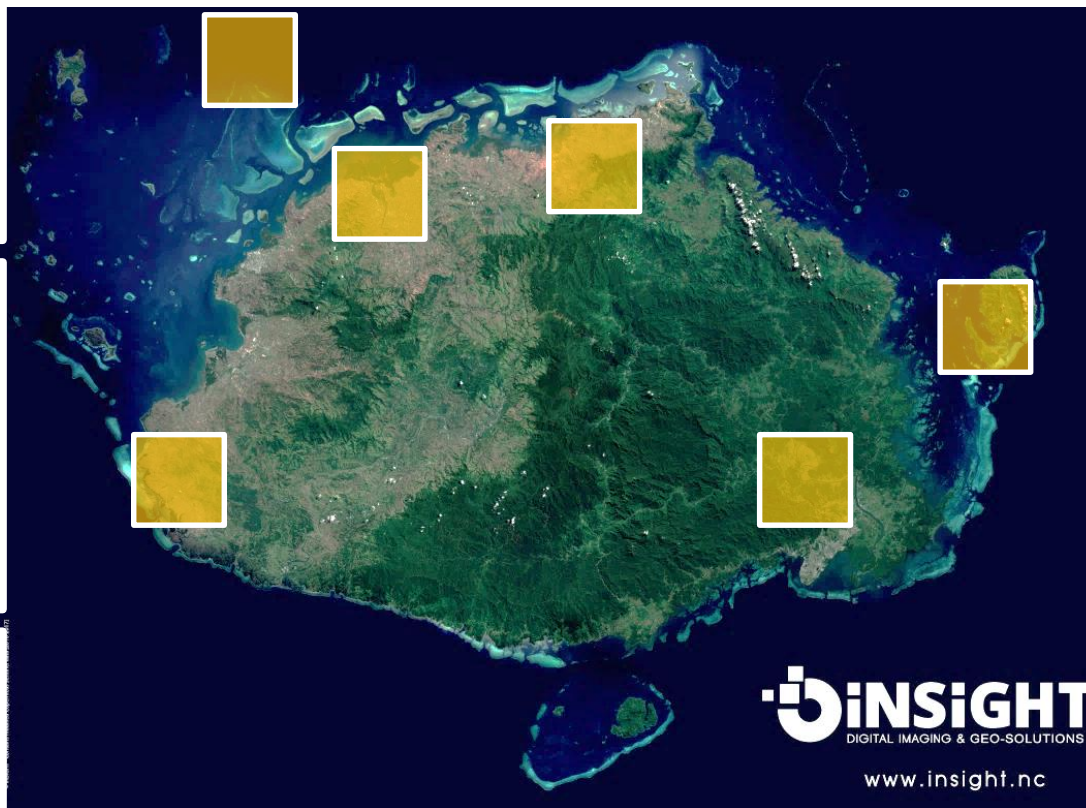
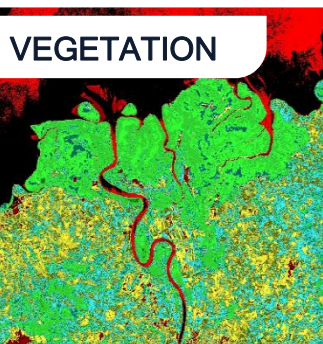
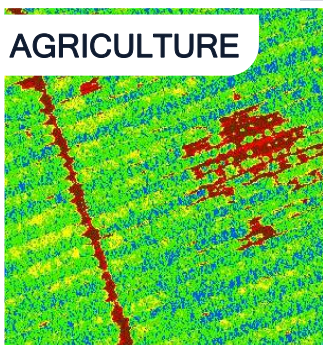
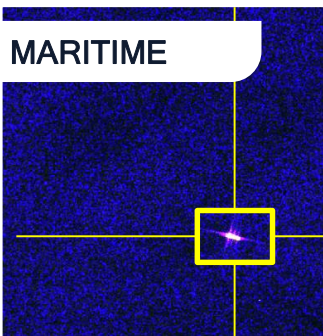
KEEP AN EYE ON YOUR EEZ

Based on both Commercial & Non commercial Imagery



© Processing INSIGHT : source image ADS Pleiades VHR - 2016

ONE IMAGE : SEVERAL APPLICATIONS



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DIGITAL IMAGING & GEO-SOLUTIONS
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CONCLUSION

- New Caledonian Team with local representative and international partner network
- Helping you in your projects, from the expression of needs to the delivery of final information
- Trusted adviser
- Several topics & applications

WE NEED YOU !!





VOS QUESTIONS

NOS RÉPONSES



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