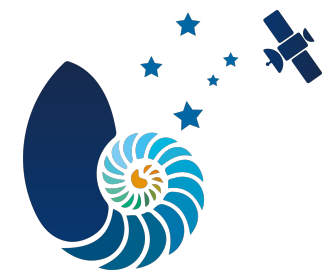




GIS in New Caledonia : It's all about Networking !



Numérique et technologies
GOUVERNEMENT DE LA NOUVELLE-CALÉDONIE



December 2 2022



New Caledonia is ...(1/2)

- **...a hot spot of Biodiversity**
 - **3400** plant species, with **76%** endemism rate and a new species described a month
 - More than **11,000** marine macrofauna and macroflora species
- **...a reef labeled "World heritage" (since july 2008)**
 - **2nd largest** coral barrier in the World (After Australia)
 - The largest lagoon in the world (**23 400 km²**)
- **...the Coral Sea Natural Park (since april 2014)**
 - **1,3 million km²**, 98% of the territory:
 - Action plan (people, sustainable development, regional cooperation)
- **...a mining country**
 - Peridotite nap
 - **Top 5** World nickel reserve
 - **4th** World nickel producer



New Caledonia is ...(2/2)

..an ecosystem gathering private, research and public sectors (GIS & Remote Sensing)

Complete process capacity

- EO data providing - *EO satellite imagery providers*
- Field data acquisition - *Model calibration*
- Storage/Download – *Highly secured redundant data centers*
- Developments - *Specific algorithms, Interoperability...*
- Data processing - *Original methodology, automating, neuronal network approach...*
- Data Diffusion - *Websites, web services, databases, platforms...*



Regional expertise on islander thematic

- Knowledge, solutions and tools transfer, with training capacities (basic and advanced)
- Regional adaptability of New Caledonia solutions

Already existing Networking



- Local Research Consortium : **CRESICA**
- Local Cluster organizations (private sector)
- GIE SERAIL
- ART Geodev NC
- **GIS Club ...**



GIS Club : The beginning

Local main geomatic users context :

- A strong use of GIS and Remote Sensing technologies
- A strong need for information sharing between users

→ Under the lead of New Caledonia Government, a network was set up at the end of **2015**

"The main objective is to animate a technical network bringing together a set of actors (SDI managers, geographic data producers,...) all around New Caledonia".

• The first 10 members part of this network was :

- New Caledonia Government
- South and North Province
- Nouméa City
- OPT
- GIE-SERAIL
- Syndicat Intercommunal du Grand Nouméa (SIGN)
- South Pacifique Commission
- l'Institut de Recherche pour le Développement (IRD)
- l'Institut Français de Recherche pour l'Exploitation de la Mer (IFREMER)

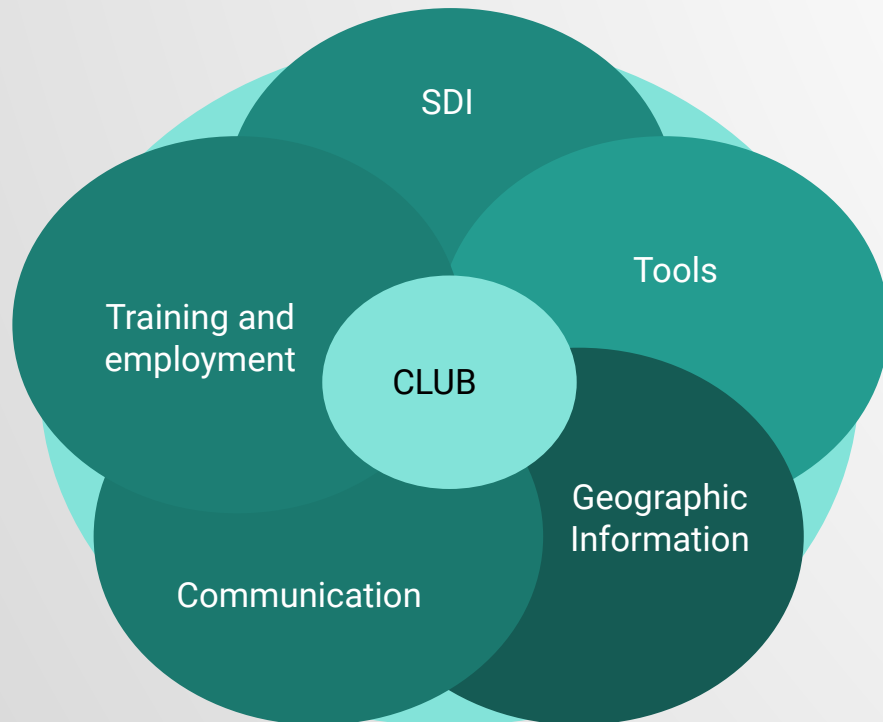


GIS Club : How did it works? 1/2

Setting up a Network is :

- Promote interactivity between members
- Share resources for action
- Communicate and promote “geomatic actions”

These are the main objectives of our “GIS Club”



Organisation

- Informal network based on voluntary basis (Email Subscription)
- Decentralized network (identification of network head for each member)
- A main facilitator : New Caledonia Government
- A flexible existing framework

“All Club actions are voluntary”



GIS Club : How did it works? 2/2

Implementation of operational tools :

● Meeting

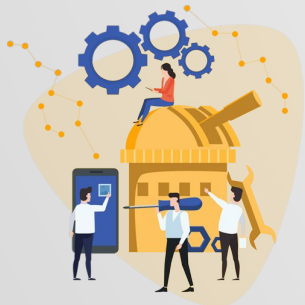
- Meeting every quarter : To share informations and news
- Thematic working groups : Thematics proposed by members (1-2 per year)
- Establishment of an annual geomatic event : GISDay in New Caledonia (34% ♀ in 2022)

● Communication

- Web site : <https://georep.nc/evenements/club-geomatique-nc>

● Other Tools

- Guides
- Applications
- Reference data: pooling



ONLY FRENCH



GIS Club : 7 years later (1/2)

les différents collèges

Public (5)



Para Public (6)



University & Research (5)



Associations/NGO (4)



Private(4)



Régional Authorities (2)



Network(1)



GIS Club : 7 years later (2/2)



16
quarterly meetings
allowed discussion on
75
different topics

2
guides



GIS day

6
GIS days were organized
to
celebrate GIS in New Caledonia

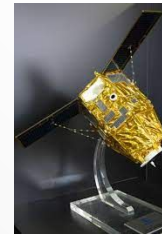
8

Working groups were organized
to focus on topics of interest



2

tools are now operational



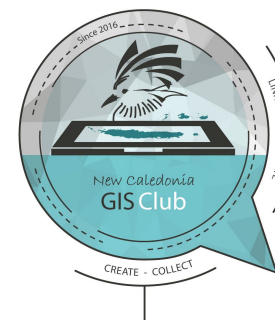
List of
Pleiades satellite images
under UIA/Dinamis licencing

Contribution of GIS club members
to 'SDGs' for New Caledonia





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Thank you very much



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december 2 2022

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