



AUCKLAND  
3-5 APRIL 2019  
#pacrim2019

## Pre-conference field trip (FT1) Geology and mineral deposits of New Caledonia

**OVERVIEW:** This trip is a rare opportunity to visit New Caledonia in northern Zealandia, a tropical paradise, and explore key aspects of its geology, its mining history and its mines. We will visit all tectonostratigraphic units, embracing the oldest and youngest rocks and sediments (beaches), as well as visit a number of active nickel and chromite mines.

**LEADERS:** Dr Hamish Campbell (GNS Science), Dr Pierre Maurizot (Geological Survey of New Caledonia - SGNC: Service Géologique de Nouvelle Calédonie) and Professor Dominique Cluzel (University of New Caledonia).



Hamish Campbell is a Senior Scientist with GNS Science (Lower Hutt). He has 40 years' experience exploring the geology of Zealandia and did his MSc (Auckland, 1979) in New Caledonia and has continued research projects there in collaboration with local geologists.

**START:** Arrive Nouméa, Sunday 24 March, 2019 for commencement of field trip the following morning. (Flight to New Caledonia at participants own expense).

**END:** Finishes at La Tontouta International Airport, Nouméa, Sunday 31 March, 2019, for flight to Auckland (flight at participants own expense).

**DURATION:** Seven days

### PROVISIONAL ITINERARY

*Sunday 24 March:* Travel to New Caledonia; settle in to Noumea. Overnight: Hotel Le Paris, Noumea.

*Monday 25 March:* Day in Noumea; visit SGNC, SLN, and local geology. Overnight: Hotel Le Paris, Noumea

*Tuesday 26 March:* Drive 288 km north up west coast to Kone. Overnight: Hotel Koniambo, Kone.

*Wednesday 27 March:* Drive 82 km to Koumac. Day at Tiebaghi chromite and nickel mine. Overnight: Monitel de Koumac, Koumac.

*Thursday 28 March:* Drive 180 km from Koumac to Poindimié. Overnight: Hotel Tieti, Poindimié.

*Friday 29 March:* Drive 190 km from Poindimié to La Foa. Overnight: Hotel Banu, La Foa.

*Saturday 30 March:* Visit Ile Hugon, Baie de St Vincent, by boat from Bouraké; chromite sands. Overnight: Hotel Banu, La Foa.

*Sunday 31 March:* La Foa to La Tontouta (65 km). Travel to Auckland, New Zealand.

**INCLUDED:**

- Road transport (by minibus), during the field trip
- Meals (breakfast, lunch and dinner) for 7 days
- Accommodation (twin share) for 7 nights
- Boat trip from Bouraké to Ile Hugon, in Baie de St Vincent (and return)

**NOT INCLUDED:**

- Alcohol and daytime snacks

**SPECIAL REQUIREMENTS: A moderate level of fitness is required. Sturdy footwear is essential and wet weather gear, sun hat and sunscreen are advised.** You should arrange for travel and medical insurance before travelling to New Caledonia, because many medical services are not free to overseas visitors.

**MAXIMUM NUMBER OF PARTICIPANTS:** 16

**MINIMUM NUMBER OF PARTICIPANTS:** 16

**COST:**

NZ \$3300 (Early bird)

NZ \$3630 (Standard)

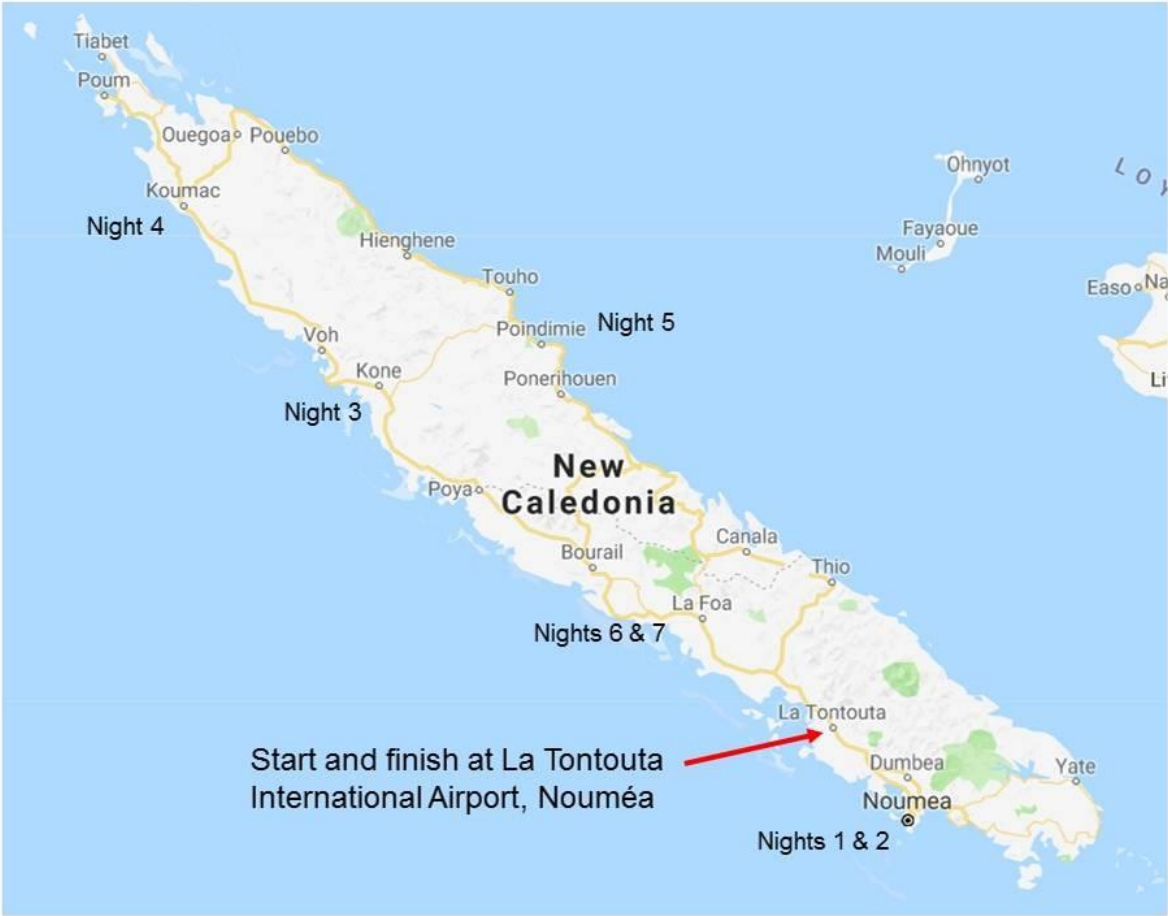
Cost excludes travel to and from New Caledonia

**NOTE:** This field trip is subject to confirmation and minimum numbers. Some activities may be weather dependent.

**FURTHER INFORMATION:** Email Hamish Campbell at [h.campbell@gns.cri.nz](mailto:h.campbell@gns.cri.nz)

**REGISTRATION:** Visit <http://pacrim.ausimm.com>

**ROUTE MAP**



## GALLERY



A 3D model showing the geology of southern New Caledonia with the Massif de Sud (Peridotite Nappe) in green. This display has pride of place in the Geological Survey of New Caledonia (SGNC: Service Geologique de Nouvelle Calédonie) in Noumea.



A handsome hand-specimen of the key nickel-bearing mineral garnierite forming bright green veins in harzburgite. Specimen collected by Dr Pierre Maurizot (SGNC).



Folded rocks of Late Cretaceous age (Black Chert Formation), Presqu'île Nouvelle, Noumea.



Spectacular Early Eocene limestone breccia (Montagnes Blanches Unit), near Bourail, west coast New Caledonia.



Looking SE across the Baie de Teremba at some of the oldest rocks in New Caledonia: Permian volcaniclastic rocks, Teremba Terrane.



Eocene Flysch, Roche Percee, near Bourail.