

FIRST CIRCULAR

JURASSIC CRISES IN SOUTHERN-MOST GONDWANA

7th Symposium of IGCP 632

to be held in association with the

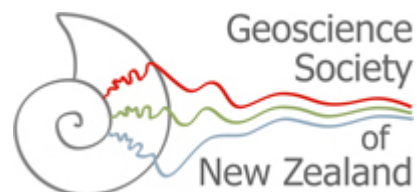
2018 Geoscience Society of New Zealand (GSNZ) annual conference in

Napier, New Zealand

26 November to 7 December, 2018

Convenor: Dr Hamish Campbell (GNS Science)

Objectives of the 7th Symposium of IGCP 632: To consider the evidence and impact of well-known continental crises preserved within Jurassic sequences in the south-polar regions of Gondwana. As part of Zealandia, which rifted away from Gondwana during Late Cretaceous-Early Eocene time (83-53 Ma), New Zealand offers some of the best opportunities to examine such rocks.



JURASSIC CRISES IN SOUTHERN-MOST GONDWANA

Field excursion for 7th Symposium of IGCP 632

Leader: Dr Hamish Campbell (GNS Science)

This will be a seven-day trip exploring mainly the Murihiku Supergroup (Murihiku Terrane) sequences exposed within the Kawhia Regional Syncline in western central North Island, New Zealand. We will also visit a Triassic-Jurassic boundary sequence preserved within deep marine sediments of the Waipapa Terrane exposed on Pakihi Island, Hauraki Gulf, near Auckland.

This excursion will commence in Napier and will involve six nights staying in country hotels in Rotorua, Waitomo, Kawhia and Tuakau. It will end at Auckland Airport. Total distance travelled by vehicle (mini-vans) will be about 700 kilometres. It will involve traversing the central North Island. We shall be passing through some spectacular scenery and will visit some popular tourist locations.

Day 1: Drive Napier-Rotorua after the end of the 2018 GSNZ conference.

Day 2: Day exploring the Taupo Volcanic Zone, an active back-arc rift within continental crust. Drive to Awakino via Taupo. Night in Waitomo.

Day 3: Visit Awakino Gorge then drive north to Kiritehere and Marokopa (Tr-Jr boundary sequences). Continue north towards Taharoa; take Whakapirau Road (giant ammonite locality) and then on around Kawhia Harbour to Kawhia, through Middle-Late Jurassic rocks (Callovian-Tithonian). Night in Kawhia.

Day 4: Day trip to Te Maika, located on the coast south of the entrance to Kawhia Harbour; we would travel from Kawhia to Te Maika using a commercial boat service, and then spend the day walking through the section.

We would start in non-marine sedimentary rocks of Aalenian age and walk down section through mainly Toarcian and Pliensbachian marine sedimentary rocks. Night in Kawhia Hotel.

Day 5: Drive north around Raglan Harbour and on towards Port Waikato via Matira. Examine latest Jurassic-earliest Cretaceous sequence (Huriwai Group within core of Kaimango Syncline) near Matira.

Proceed on to Port Waikato and examine older Huriwai Group (Tithonian) sequence exposed on coast. Night in Tuakau Hotel.

Day 6: Drive towards Auckland and go to Clevedon; visit Pakihi Island, Tamaki Strait, Hauraki Gulf: Tr-Jr boundary sequence preserved in deep marine chert-siliceous argillite sequence within Waipapa Terrane. Night in Tuakau Hotel.

Day 7: Drive to Auckland Airport (about one hour). Farewells.