

Hao Chen
Day 3
Wed, Mar 29, morning

There was a storm during the night. At about 8:00 am, we headed to McDonald's nearby to have a quick breakfast when the storm abated. After breakfast, we drove to GNS science in Wairakei, Taupo, a New Zealand research Organization that focused on geological resources, environmental isotopes and industrial ion-beam technologies and natural hazards. Greg from GNS science met us in the conference room. Then he did a presentation about the history of

geothermal energy, the current development and potential resource of geothermal energy, disputes from development of geothermal and future perspectives of it.

Then we were guided to visit the rig for geothermal. We walked around rig and were introduced to all different kinds of tools, mechanisms and test methods to ensure the rig operates efficiently. It shared the same basic principles as drilling rig for petroleum except the separator was not needed for geothermal. It was still very windy and rainy outside. Therefore we did not get the chance to walk up the platform to watch the drilling process.

One hour later, we went to New Zealand Geothermal Analytical Laboratory of GNS science, they mainly focused on geothermal and groundwater analysis. It had very latest machine to produce precise results. It was a short visit, only took about 20 minutes





After visiting the laboratory, we went up to hill to see the production line of geothermal energy. Greg did a brief introduction about the operation of those production lines and geological environment around it. After this, we headed back to the hotel we were staying in Taupo.