

School Visits

- 🌐 10 presentations
- 🌐 5 schools
- 🌐 565 students
- 🌐 Average 3.4 guest speakers (early-career scientists) per presentation

Undergraduate & Graduate Student Involvement

- 🌐 2 undergraduate students
- 🌐 23 graduate students
- 🌐 1 postdoctoral fellow

Teacher Involvement

- 🌐 1 Teacher with Fellowship from NIWA joined for 2 days of school visits





DEEPWAVE Public Engagement

Alison Rockwell :: EOL Education & Public Engagement Specialist



Public Engagement

- Media Event :: 4 crews resulting in radio & TV pieces
- Research Aircraft Open House :: 300 Visitors

Internet-based Outreach

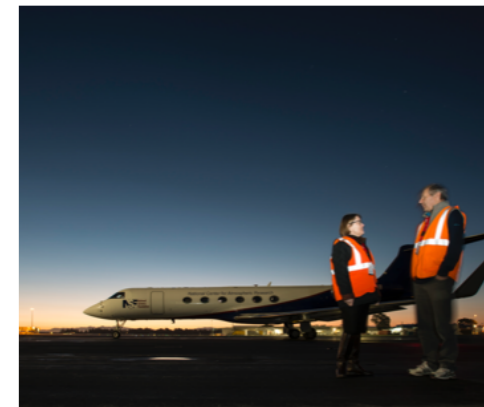
- 11 DEEPWAVE Outreach Webpages
- 1,999 views of all EO pages in a 104 day period
- 15 Facebook Posts
- 26 Tweets on Twitter

Printed Material

- DEEPWAVE postcard
- DEEPWAVE Open House flier

Media Coverage

- 17 unique pieces including radio, tv, and online
- DEEPWAVE in the News



DEEPWAVE Deep Propagating Gravity Wave Experiment Over New Zealand

AIRBORNE FACILITIES
Two research aircraft will serve as flying laboratories for this project – the NSF/NCAR HIAPER and the DLR Falcon 20 – equipped with a suite of instruments designed to measure atmospheric thermodynamics, radiation, trace gases and winds.

GROUND-BASED FACILITIES
A comprehensive instrumentation network is being deployed at the South Island ground sites at DLR and the NZ Integrated Surface Observing System (ISOS) to measure and to measure pressure, humidity, wind speed and wind direction, radars and lidar near surface winds.

The HIAPER research aircraft has capabilities that allow for new methods of observational research. HIAPER will be making measurements from about 5 - 15 km with a suite of instruments including a sodium resonance lidar, dropsondes, and a temperature profiler.

The Falcon 20, operated by DLR, the German Aerospace Center, will make measurements from the surface to 11 km using a variety of instruments including a "wind" lidar for mapping wind fields in the troposphere.

Measurements to sites are integrated aircraft and data to provide complete vertical the atmosphere mostly providing model prediction

DLR Falcon 20

NSF/NCAR HIAPER