

# New Zealand



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**Function: Country Coordinator (CC)**

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**Cooperating organizations:**

Office of the Prime Minister's Chief Science Advisor  
US Consulate and Embassy  
(Ministry of Education)  
(Science Learning Hub)

**Participating schools:**

222 schools currently listed; 112 not yet reporting, 109 have reported in the past. Out of 222 schools identified on the GLOBE website and 67 teachers, there were 81,914 observations made.

The only active school at present remains as:  
Opunake High School (15,759 observations)

**Funding by:**

None.

Aside from time allowance made within my role to carry out Country Coordinator duties, there is still no direct funding allocated for GLOBE within New Zealand. I have had multiple meetings with the Ministry of Education, who previously supported GLOBE in New Zealand. I am continuing to discuss with them the possibility of a small financial contribution to be able to host local trainings, in order to create GLOBE uptake by educators and schools within New Zealand.

**REPORT FOR 2018-19**

GLOBE protocols used in country:

A range covering Atmosphere, Hydrology, and Pedosphere protocols, with Atmosphere protocols the most used, followed by Hydrology.

Number of schools currently reporting data (2018):

Opunake High School; 15,579 observations)

Description of the program in your country and recent activities in 2018:

**Regional Meeting:**

One representative (Victoria Metcalf) attended the 2018 RM and CMT in Hanoi, Vietnam.



## REPORT FOR 2018-19

### Engagement with GLOBE NZ teacher community and activity:

- I have used the GLOBE site to send update emails out to New Zealand teachers registered with GLOBE, highlighting current campaigns, opportunities for involvement in meetings etc.
- I have used my own networks over the past two years to inform educators about GLOBE and encourage them to get involved and do the online training etc.
- 222 schools are currently listed (this is from school status report data vs. 213 schools listed under Country at a Glance <http://www.globe.gov/web/new-zealand>); 67 teachers; 112 schools not yet reporting, 109 schools have reported in the past. Only 1 school has reported in the last 3 months (2018). There have been 81,914 observations overall (as of end of April 2019). <http://www.globe.gov/web/new-zealand>. There are 272 untrained observers (registered with the GLOBE Observer App).
- There are eight GLOBE trainers in New Zealand, although only four of these remain active to my knowledge. Strong enthusiasm for lifting GLOBE's presence in New Zealand has come within the last 18 months from four of these GLOBE trainers (covered below).

Here is the status of GLOBE Teachers and GLOBE Observers managed by your organization New Zealand for the month of April:

Member Status	Number	Description
Account Requested	0	Teachers who have requested to join GLOBE and are waiting for approval.
Account Approved	14	Teachers whose accounts have been approved but have not started the training process.
Pre-Candidate	0	New teachers who are registered for an upcoming workshop.
Candidate	0	New teachers who are registered for an in-progress workshop.
Newly Workshop Trained	0	Teachers who have completed training at a workshop in the last 30 days.
Newly eTrained	0	Teachers who have been eTrained in the last 30 days.
GLOBE Members	70	Fully trained GLOBE Teachers.
Untrained GLOBE Observers	260	GLOBE Observers in your organization who are untrained (i.e. - have not completed eTraining). These are citizen scientists in your country/organization who have registered with the GLOBE Observer app.

- GLOBE trainers have indicated they have intended to conduct trainings but have been unable to date due to time and resource constraints. e.g. Murray Palmer, Nga Mahi Te Taiao (Environment and Natural Resources Research Education Planning Development, Turanganui a Kiwa):

*“I’m very keen to explore reinvigorating GLOBE here in Tairāwhiti, particularly around coastal processes and atmospheric studies.”*

*“I had been hoping to run some small training workshops as part of our ‘barefoot scientists’ program, but ran out of time and resources”*

**US Embassy and Consulate links:**

I have been engaging about GLOBE with a number of staff at both the US consulate and embassy, and discussing how they can provide support to help lift GLOBE activity in New Zealand. These include Katelyn Choe (Consul General), Ted Danowitz (Political-Economic Officer) and Philip McKenna (Political-Economic), Lauren Murray and Natalie Wilkins (Public Affairs), and Mara Hosoda (Science).

<https://twitter.com/ChiefSciAdvisor/status/1111472352481533954>



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We have established a number of activities that we are currently working on:

- Applying for an Embassy small grant to enable us to hold a GLOBE training session, including possibly CMT, sometime between July-Sep this year;
- Investigating with ChristchurchNZ (regional development and tourism agency) whether we can have a GLOBE presence at the SOFIA open day July 20 (waiting for their feedback);
- Cross promotion of GLOBE with other NASA activities and linking GLOBE activities to other NASA activities: e.g presence of SOFIA plane, IAP speaker programme (we can request scientists), visiting distinguished scientists (e.g. Prof Osterholm (public health scientist and infectious diseases expert));
- Linking to the Royal Society;
- Support letter from the Embassy to the Ministry of Education regarding GLOBE.

### **Government meetings:**

Several meetings have occurred with representatives within the Ministry of Education. Discussions are ongoing. Next steps arising from these meetings include:

- Finalizing a draft briefing document for the Ministry and a formal request for their support via promotion and funding;
- Liaison with the Ministry over drafting a story on GLOBE for the Education Gazette (sent to all schools in New Zealand);
- Contact the New Zealand Association of Science Educators regarding support for GLOBE.

### **New Zealand strategic planning:**

- Murray Palmer, a GLOBE trainer, has indicated he would like to take on the Assistant Coordinator role.
- A GLOBE New Zealand strategic team has been formed, with membership thus far comprised of: four GLOBE trainers (including Murray Palmer, as well as Elise Smith, Andrew Innes, and Adie Leng), along with representatives from the Science Learning Hub (government funded online education resource provider administered by the University of Waikato; representative Andrea Soanes), the Royal Society (science education representative Jessie McKenzie), and environmental educators and scientists. This group is meeting prior to the RM meeting to decide on:

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- Next steps to invigorate GLOBE here, including local trainings, other partners (Department of Conservation, Enviroschools network, New Zealand Association of Science Educators).
  - Creation of a pilot school list
  - Publication of STAR articles
- There are upcoming meetings with other potential partners: the Department of Conservation Environmental Education team, and the Enviroschools network, ChristchurchNZ.

### **Challenges:**

The principal challenge remains securing funding for coordination and training.

Aside from that, it is important to note the unique context of both New Zealand education, including environmental education, and science. New Zealand is a bi-cultural nation, with the Treaty of Waitangi principals' central to what we do. GLOBE needs to be able to integrate into this bi-cultural context, where traditional science sits alongside Te Ao Māori approaches. Education here is increasingly conducted in an integrated manner, whereby a holistic project-based learning approach is utilised. This means that students may work across the curriculum in one project. Recognition within any training and promotion that there can be flexibility in the way GLOBE is used by educators to sit within this context will be essential for its uptake.