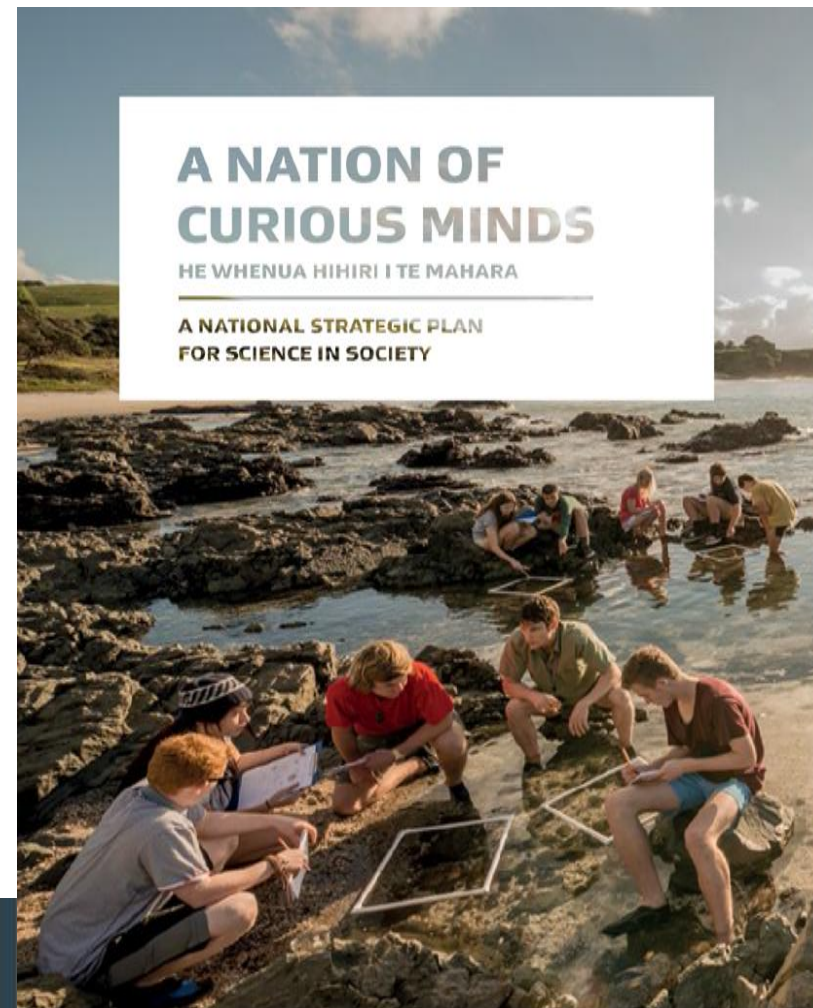


New Zealand



Science & tech literacy
are fundamentally
important to the future of
young New Zealanders

Country Coordinator Victoria Metcalf



A NATION OF CURIOUS MINDS

HE WHENUA HIHIRI I TE MAHARA

A NATIONAL STRATEGIC PLAN
FOR SCIENCE IN SOCIETY

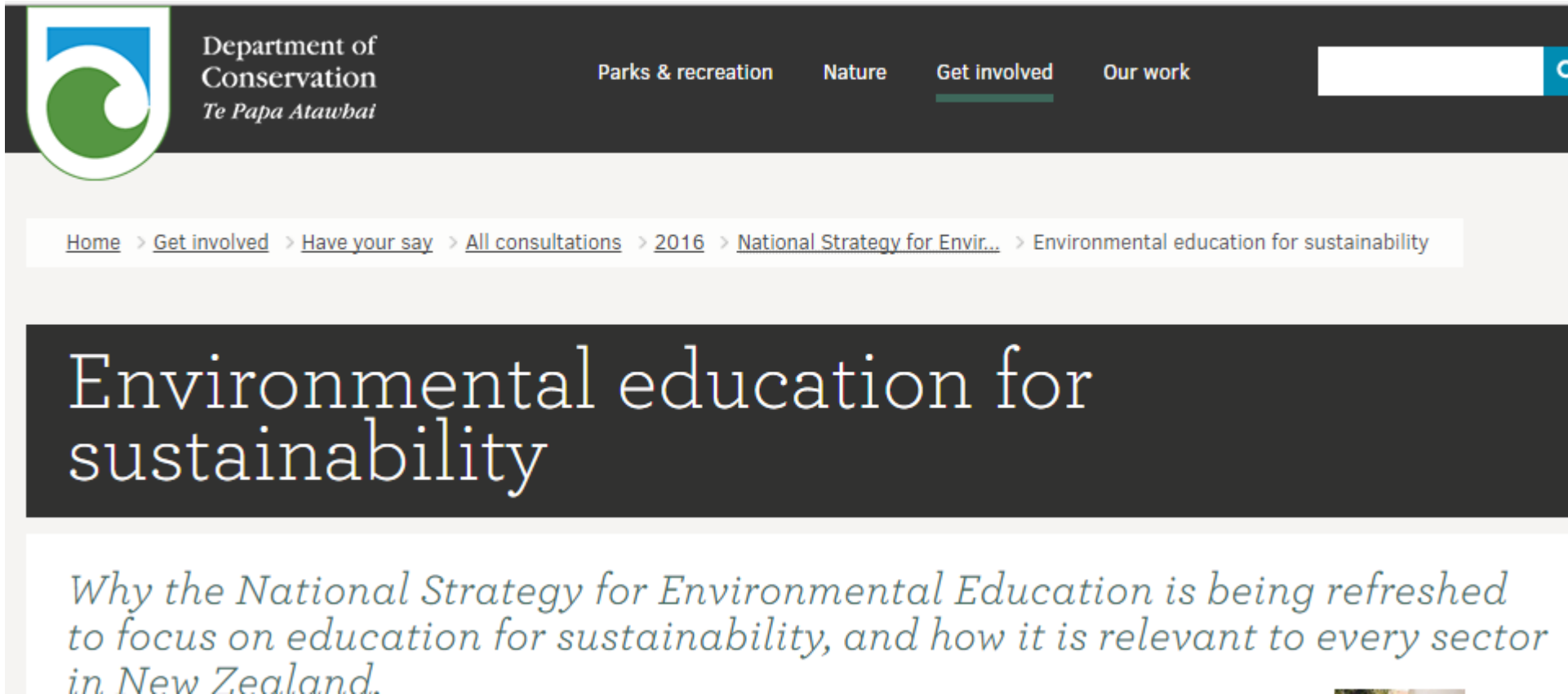


New Zealand Government



Environmental education

- Department of Conservation is currently re-examining implementation of its EEfS strategy



The screenshot shows the top navigation bar of the Department of Conservation website. On the left is the logo, a stylized green and blue 'C' shape. To its right is the text 'Department of Conservation' and 'Te Papa Atawhai'. Further right are navigation links: 'Parks & recreation', 'Nature', 'Get involved' (which is underlined), and 'Our work'. A search bar is visible on the far right. Below the navigation bar is a breadcrumb trail: 'Home > Get involved > Have your say > All consultations > 2016 > National Strategy for Envir... > Environmental education for sustainability'. The main content area features a large dark grey header with the title 'Environmental education for sustainability' in white serif font. Below this is a paragraph of text in a smaller, italicized serif font: 'Why the National Strategy for Environmental Education is being refreshed to focus on education for sustainability, and how it is relevant to every sector in New Zealand.'

Department of Conservation
Te Papa Atawhai

Parks & recreation Nature Get involved Our work

[Home](#) > [Get involved](#) > [Have your say](#) > [All consultations](#) > [2016](#) > [National Strategy for Envir...](#) > Environmental education for sustainability

Environmental education for sustainability

Why the National Strategy for Environmental Education is being refreshed to focus on education for sustainability, and how it is relevant to every sector in New Zealand.

Cooperating organisations

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



Schools

- 223 schools listed; 113 not yet reporting, 108 have reported in the past.
- Out of 223 schools identified on the GLOBE website and 70 teachers, there were 82,757 observations made.
- 1 active school: Opunake High School (16,631 observations)
- Collaboration with overseas (Utajärvi, Finland)



Protocols used

- A range covering Atmosphere, Hydrology, and Pedosphere protocols
- Atmosphere protocols > Hydrology



New Zealand activities

- Emails to New Zealand teachers registered with GLOBE
- Use of networks to inform about GLOBE
- 375 untrained observers (registered with the GLOBE Observer App) – large increase through local promotion
- 4 GLOBE trainers

US Embassy and Consulate

- Ongoing engagement with:
- Katelyn Choe (Consul General),
- Ted Danowitz (Political-Economic Officer) and Philip McKenna (Political-Economic),
- Lauren Murray and Natalie Wilkins (Public Affairs),
- Mara Hosoda (Science).



NZ ChiefSciAdvisor @ChiefSciAdvisor · Mar 29

Thanks @VicMetcalf_NZ for coordinating a meeting today with @usembassynz. Lots to talk about with Katelyn Choe and Ted Danowitz on US-NZ science cooperation and citizen science. @MBIEsci @curiousmindsnz



1 6 16 1

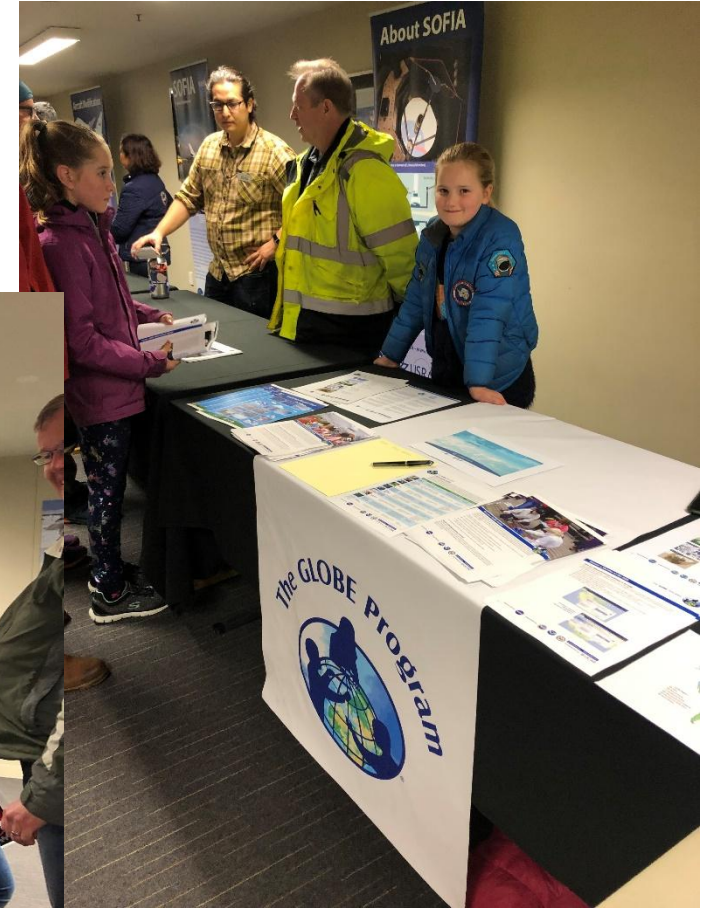
US Embassy and Consulate

- Applying for an Embassy small grant to enable us to hold a GLOBE training session (possibly CMT), sometime between Jan-May 2020;
- GLOBE presence (stand) at the ChristchurchNZ (regional development and tourism agency) NASA SOFIA open day July 20, Christchurch Airport);
- GLOBE presence (stand) at the ChristchurchNZ (regional development and tourism agency) Explore Antarctica open day October 5, Christchurch CBD);
- 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 or astronauts (e.g. 30 Oct, Dr Anna Fisher (former NASA astronaut));
- Linking to the Royal Society;



GLOBE stand at NASA SOFIA Day, July 20, Christchurch

- 4,000 people; hundreds came past the GLOBE table.
- Collected contact details of interested teachers etc
- Promoted GLOBE Observer App
- Printed a GLOBE table top banner and collateral



GLOBE stand at Explore Antarctica Day, Christchurch CBD (Cathedral Square), October 5, Christchurch

- Hundreds attended
- Collected contact details of interested teachers etc
- Promoted GLOBE Observer App
- Collateral





US Embassy *A Future for Women in STEM* panel, Oct 30, Christchurch

- >200 attended
- Promoted GLOBE within my presentation

A Future for Women in STEM

A panel discussion



Dr Anna Fisher
Former NASA astronaut



Dr Victoria Metcalf
National Coordinator
Participatory Science –
Office of the Prime Minister's
Chief Science Advisor



Rose Swears
2019 NASA International
Internship Recipient



Dr Sarah Kessans
Research Fellow at the
University of Canterbury



Miranda Satterthwaite
Education Manager
International Antarctic Centre



EMBASSY OF
THE UNITED STATES
OF AMERICA

Christchurch
City Council 



Government Meetings etc



- Liaison with the Ministry over drafting a story on GLOBE for the Education Gazette (sent to all schools in New Zealand);
- New Zealand Association of Science Educators regarding promotion of GLOBE.
- Enviroschools networks regarding promotion of GLOBE.

GLOBE New Zealand Advisory Group

- Murray Palmer, a GLOBE trainer, and John Lockley (former CC) = Assistant Coordinators.
- A GLOBE New Zealand strategic team has been formed:
 - 4 GLOBE trainers (including Murray Palmer, as well as Elise Smith, Andrew Innes, and Adie Leng),
 - 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, including John Lockley (former CC) and Andrew Hornblow.
- Current actions:
 - Next steps = workshop of interested parties, 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

Partners/Potential partners

- Royal Society
- Christchurch NZ

- Ministry of Education
- Department of Conservation
- Ministry of Business, Innovation & Employment
- Ministry for the Environment
- NZ Association of Science Educators
- Enviroschools
- Mountains to Sea Conservation Trust
- Te Papa Museum mosquito citsci project

- IVSS project
- Links to Australia

