

New Zealand In-Country Itinerary for Dawn Wright, arranged by [Eagle Technology](#) (Esri distributor)

Friday 22nd November: Auckland, North Island

Arrive Auckland International Airport 5.45am

Taxi to Hotel (own cost)

Accommodation Reserved for 2 nights at Sky City Hotel (Cnrs Federal and Victoria St, Auckland City)

Accommodation to be charged to Eagle Technology account on check-out (including meals, etc)

Saturday 23rd November: Auckland

10.30am Meeting with Dr. Peter Urich (and CLIMsystems Ltd. team - [Peter Kouwenhoven](#) (Netherlands), [Yinpeng Li](#) and [Mingtian Yao](#), Ph.D. student visiting from [Wageningen University](#) for a couple of months to work on the [ClimSystems Guangzhou project](#)) – meet hotel reception (Peter Urich phone - 027 316 9777)

~ early afternoon - Meet [Greig Funnell](#) - Marine Advisor, Marine Ecosystems, Science & Technical Group at Department of Conservation (time TBC direct with Greig)

Sunday 24th November: Auckland

Daytrip to the Motutapu Sanctuary (<http://www.motutapu.org.nz/>) on Sunday with Rob Fenwick (<http://www.sirpeterblaketrust.org/the-trust/our-people/sir-peter-blake-trust-board-of-trustees/rob-fenwick/>) and Eagle Exec (Gary Langford – CEO, and Duane Eagle – son of the Company Owner)

[Rob is the chairman of Predator Free NZ and is heavily involved in Predator Eradication work in NZ \(amongst many, many other things and including Antarctic Science\); Duane is a member of the board of Eagle technology which was founded by his father, and Gary is the Chief Executive of Eagle as well as a trustee on the Predator Free Board.](#)

8.30 am – Rob Fenwick will meet you at Hotel and take you to the ferry terminal
Rob has indicated that you will all need to catch the 9.15am ferry ex Auckland City to Rangitoto
Return ferry departs 3.45pm

Travel to Wellington on Air New Zealand NZ0461 - departs 6.30pm

Arrive Wellington Airport at 7.30pm

Taxi to Hotel (own cost)

Accommodation Reserved for 3 nights at Museum Hotel (90 Cable Street, Wellington)

Accommodation to be charged to Eagle Technology account (including meals, etc)

Monday 25th November: Wellington, North Island

9.00am Meet with Bonita Gestro from Eagle at Hotel

10.00am-~2.00pm Meet with National Institute of Water and Atmospheric Research ([NIWA](#)), includes:

- 10.30am - Presentation to NIWA - “**Esri's Emerging Natural and Ocean Sciences Agenda**” (45 mins)

- Tour of facilities, meetings with scientists

6.00pm Dinner with NIWA (venue TBC)

Tuesday 26th November: Wellington

7.00am Pick up from Hotel by Bonita Gestro

7.30am: **Presentation by Dawn Wright (on yourself) to the Woman in Spatial Breakfast** - hosted by Eagle Technology (at our offices)

This is a small group of female GIS professional (~40) interested in your story of how you have gotten to where you are any lessons learnt on the way.

9.30am – 10.30am – Meet with Dr. Jochen Schmidt, Chief Scientist, NIWA

10.45-11.30am - Meet with David Johnson and Peter McComb (MetOcean Solutions Ltd) at VUW Government Building Café (nearby lecture hall)

12-2pm: Victoria University of Wellington Public lecture (+ other invited government agencies) – hosted by Mairead de Roistre School of Geography, Environment and Earth Sciences **“Bridging the Gap Between Scientists and Policy Makers: Whither GIScience?”**

4pm – **Presentation to Eagle staff, "Esri and the Scientific Community"** and general discussion (early dinner to follow)

Wednesday 27th November: Christchurch, South Island

6.30am Pick up from Hotel by Bonita

7.35am Fly to Christchurch on-board Air New Zealand NZ5051

9.30am Meet with Landcare Research (<http://www.landcareresearch.co.nz/home>)

12pm – Driving tour of Christchurch central business district, earthquake damage

12.30-1.30pm Lunch with Femke Reitsma of University of Canterbury and Mark Rattenbury of GNS, University of Canterbury cafe

2-2.45pm Public lecture at University of Canterbury **“The Age of Science and "Big Data"”** (45 mins)

4.30 pm Fly to Auckland on Air New Zealand NZ0532, transfer to International terminal

7.15pm Depart for US

Any questions, contact Bonita on +64 21 274 2159.

Eagle Technology Press Release

For further information:

Sarah MacDonald – Eagle Technology DDI: +64 9 639 0791/ Mobile +64 021 246 4577/ svm@eagle.co.nz

Leading Oceanographer and Scientist to give public lectures in New Zealand

AUCKLAND – 7th November, 2013 – Dawn Wright is Chief Scientist of Esri, the world leader in geographic information systems (GIS), a platform for geospatial mapping and analysis, and will visit New Zealand this month to meet with fellow scientists at NIWA, GNS and the Department of Conservation. She will also give a public lecture at Victoria University on November 26 with the title, ***Bridging the Gap Between Scientists and Policy Makers: Whither GIScience?*** The lecture focuses on the role scientists may need to take in the light of the evidence of scientific data and its implications for the environmental sustainability of the planet. Should scientists make the leap from the academic sidelines to closer engagement with decision-makers in areas of planning, land use and ocean/coastal management? A second lecture at the University of Canterbury is scheduled for November 27.

Wright is also a professor of geography and oceanography at Oregon State University. She has a long history studying the ocean. She was involved while working as a graduate student in the early 1990s when some of the first geographic information system (GIS) data sets of the ocean floor were collected using the deep-sea vehicle *Argo I*, previously used to find the Titanic.

Why is mapping the oceans so important? Wright explains, “The oceans provide the earth with over fifty percent of the world’s oxygen, they moderate weather patterns and provide sustenance. Recent events such as the 2010 Gulf of Mexico oil spill and the Tohoku-Oki earthquake and subsequent great tsunami have shown how little is known of the ocean floor and the effect of such occurrences. As little as five percent of the ocean floor has been mapped in great detail, unlike land which has now been mapped in detail thanks to satellites and lidar. The sea remains largely inaccessible to these tools. In fact, there are better maps of the entire surface of the Moon, Venus, and Mars, than of our own oceans. But science and technology are coming together to create new methods for mapping and charting the oceans, and in so doing uncovering information vital to help people to make better decisions about what to protect, where to be safe, or how to best use ocean resources to generate energy.”

The relevance of Wright’s topic for her public lecture in New Zealand is timely. Wright’s visit comes as the Auckland Council and Waikato Regional Council, in partnership with local Maori, Department of Conservation, and other government agencies, has begun its two year Sea Change project, to establish a Hauraki Gulf Marine Spatial Plan.

Wright believes we already have the tools to make informed and timely decisions to protect the oceans, at the same time taking into account the commercial necessities of the modern world.

“As an example, the Sea Change project will use Sea Sketch as a method for sharing information between interest groups and users of the Hauraki Gulf, including recreational fishing and boating, environmental and community, aquaculture, fishing, shipping and tourism.”

Sea-Sketch is a web-based project of the University of California at Santa Barbara under the direction of Dr. Will McClintock, that received an injection of US\$500,000 from Esri founder Jack Dangermond in 2011 to aid with conservation projects. Without special skills, users can share maps and information on those maps to build a picture of the impact of various activities, interactively.

“Although we know relatively little about the oceans, we do know that virtually no part of the ocean remains unaffected by human activities. Fishing, habitat destruction, pollution, and climate change have had great impact. New Zealand, an island nation separated by more than 1000 nautical miles from its nearest neighboring country, Australia, harbors unique species of maritime life, and its oceans are the primary source of recreation for much of the population. The decisions that are made now have implications for both the country’s economic future and the lifestyles of New Zealanders.”

Dawn Wright is a fellow of the American Association for the Advancement of Science, a fellow of Stanford University’s Leopold Leadership Program, and a Blue Ribbon Panelist of the Global Partnership for Oceans. Her research interests include geographic information science; marine geography; benthic terrain and habitat characterisation; and the processing and interpretation of high-resolution bathymetry, video, and underwater photographic images. Wright received her PhD in physical geography and marine geology from the University of California, Santa Barbara.

Watch a presentation by Dawn Wright <http://video.esri.com/watch/1650/ocean-gis>

Public Lectures

Victoria University of Wellington, Pipitea Campus

Government Buildings Lecture Theatre 1

Dr Dawn Wright: Bridging the Gap Between Scientists and Policy Makers: Whither GIScience?

Tuesday 26 November 2013, 12pm

University of Canterbury

Dr Dawn Wright: The Age of Science and "Big Data"

Wednesday 27 November, 2pm

About Eagle Technology Group

Eagle Technology Group is a privately-held New Zealand-owned systems integration and information management company. Eagle has more than 40 years proven experience and a reputation for delivering excellent value to its customers in both government and business sectors throughout New Zealand. Eagle employs 100 staff with offices in Auckland and Wellington.

Eagle Technology has been the official distributor for Esri in New Zealand, the world’s pre-eminent geographic information systems (GIS) for more than 25 years. Eagle provides support, services, training and online solutions for ArcGIS.

Eagle's highly-skilled team includes professionals with expertise in all aspects of ICT and GIS (geographic information systems). Eagle’s Enterprise Solutions team specialise in Service Desk, Disaster Recovery, Managed Services and IT architecture.

Eagle Technology partners with the world's leading hardware and software providers whilst retaining the independence to be innovative, creative, supportive and responsive to our customers.

About Esri

Esri was founded 1969 as a privately held consulting firm specialising in land use analysis projects. Esri employs more than 2,900 staff, more than 1,500 of whom are based in Redlands, California, at the world headquarters. Esri offers employment opportunities to qualified professionals from around the world and has a richly diverse work force. With more than 75 international distributors and users in more than 200 countries, Esri stands ready to meet the needs of its user community and to set the standards for the GIS industry.