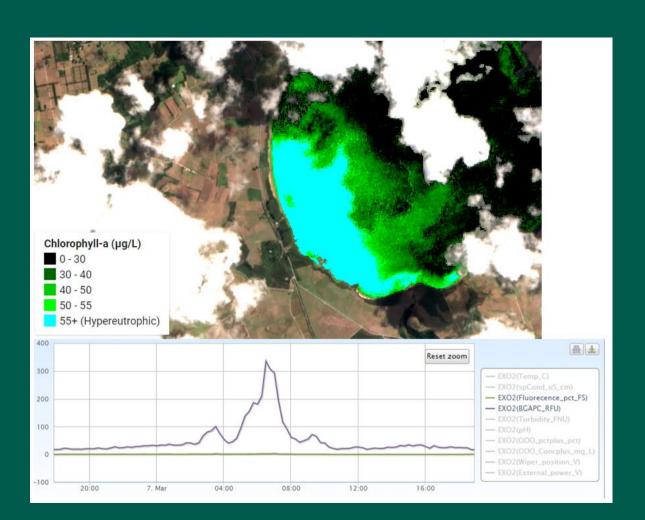
Local Government Environmental Data



Te Mana Raraunga Wananga 22 February 2022 Jason Donaghy

What do we collect

		NEMS	DOCUMENT LIST SUBSCRIBE	FEEDBACK ABO	OUT NEMS CONTAC	T TOOLS AND RESOURCES
	20 10 10 E	Document List				
	Pagional Counc					
	NEMS Open Channel Flow Measurement	***				
	Safe Acquisition of Field Data in and Around Fresh Wat	Below are documents currently managed and proposed by the NEMS Steering Group:				
	Periphyton	I ² _A Status	↓ ^Z _A Status	Current Version	Date of Release	Planned Review Date
Meterological station	Macroinvertebrates	Glossary	Current	2.0.1	November 2019	
	Met Parameters	Rating Curves	Current	2.0.0	February 2020	February 2022
	Air Quality - PM10	Dissolved Oxygen	Current	2.0	July 2016	July 2018
	Air Temperature and Relative Humidity Recording	National Quality Code Schema	Current	2.0	July 2016	February 2018
	Data Processing	Water Meter Data	Current	2.0	November 2017	November 2019
	Land Management - Soil Stability/Erosion Monitoring	Water Temperature Recording	Current	2.0	April 2017	April 2019
Soil moisture station	PM2.5	Soil Water Measurement	Current	1.2	August 2016	August 2018
	Soil Quality and Trace Element Monitoring	Turbidity Recording	Current	1.2	July 2017	July 2019
	Wind Recording	Suspended Sediment	Current	1.0.0	October 2020	October 2021
	Cyanobacteria	Water Quality Part 1 - Sampling, Measuring, Processing and Archiving of Discrete Groundwater Quality Data	Current	1.0.0	March 2019	March 2020
	Data Exchange (FNDS)	Water Quality Part 2 - Sampling, Measuring, Processing and Archiving of Discrete River Water Quality Data	Current	1.0.0	March 2019	March 2020
Rainfall station	Riparian Characteristics Monitoring	Water Quality Part 3 - Sampling, Measuring, Processing and Archiving of Discrete Lake Water Quality Data	Current	1.0.0	March 2019	March 2020
	NZ Site Identification System	Water Quality Part 4 - Sampling, Measuring, Processing and Archiving of Discrete Coastal Water Quality Data	Current	1.0.0	February 2020	February 2021
	Wetland Monitoring	Hydrological and Meteorological Structures	Current	1.0	July 2016	July 2017
	Biodiversity	Site Surveys	Current	1.0	October 2016	October 2017
	Biosecurity	Water Level	Current (under review)	3.0.0	July 2019	July 2021
River level station	Conductivity (Continuous)	Rainfall Recording	Current (under review)	2.1	August 2017	August 2019
	Contaminated Land	Open Channel Flow Measurement	Current (under review)	1.1	June 2013	June 2015
	Continuous Nitrate Monitoring	Proposed				
	Fish Monitoring	Proposed				
	Land Management - Land Fragmentation	Proposed				
	Land Management - Mitigation/Restoration Monitoring	g Proposed				
	Land Management - Nutrient Liga/Logs	Proposed				

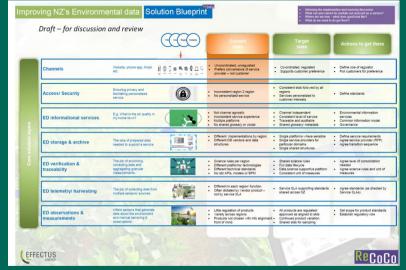
LAWA & EDMS



- 5000 sites
- 1500 sites real time
- World first in federating environmental data for all of one country
- 890,000 users and over 4,770,000 pageviews since LAWA was launched in 2014.

National governance issues

EDMS: Environmental Data Management System

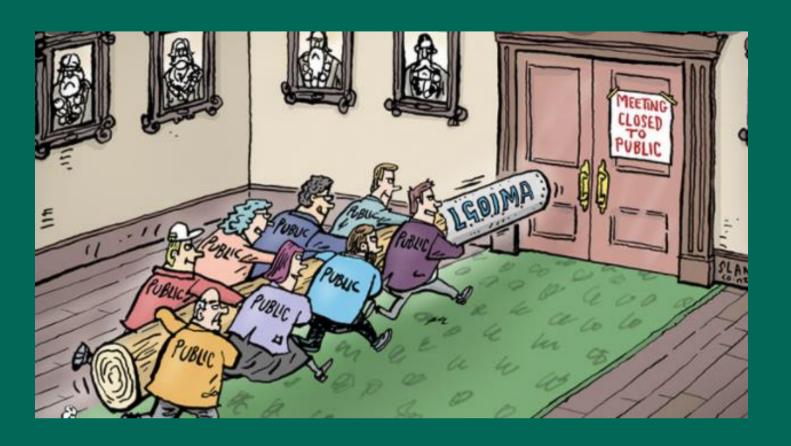


Challenges: Data sovereignty



Local governance issues

Challenges: Legal Framework



to avoid serious offence to tikanga Maori, or to avoid the disclosure of the location of waahi tapu; or

would be likely unreasonably to prejudice the commercial position of the person who supplied or who is the subject of the information; or

He pātai - Questions