



Invitation to tour Korean icebreaker and research vessel *Araon*

Science Educators' Tour of *RV Araon*, Lyttelton Port
Monday 25th March 2019 - 12.50pm to 3.00pm

Scientific Themes: Atmospheric Science, Marine Science, Antarctic Science.

KOPRI, supported by The International Antarctic Centre, the Antarctic Office of ChristchurchNZ, Antarctica New Zealand and Lyttelton Port invite you to a guided tour of the Korea Polar Research Institute's ice breaker Research Vessel *Araon* at Lyttelton.

Tour timings:

Arrive at Wharf gate: (tba)	12.50pm
Briefing on the wharf:	1.00pm
Boarding	1.10pm
Tour Finishes	3.00pm

The tour is limited to 15 educators, 15 scientists and 15 from the Lyttelton community so your timely response would be appreciated.

Full details will be sent once RSVPs are received, including wharf and gate location.

Photographic ID will be needed and will be checked at the wharf gate. A health and safety briefing will take place on the wharf, prior to boarding *Araon*.

Please RSVP with full names by 15th March latest to:

Miranda Satterthwaite, Education Manager, International Antarctic Centre:

miranda.satterthwaite@iceberg.co.nz

cell 0273748030

<https://www.iceberg.co.nz>

For details of *Araon* see below:



RV Araon is an icebreaking research vessel owned and operated by Korea Polar Research Institute. *Araon* was built in a Korean shipyard at a cost of US\$100 million and commissioned in 2009. Since January 2010 *Araon* has visited Lyttelton Port multiple times a year on her voyage to and from Antarctica. *Araon* is 109.5m long and 19m wide driven by electric motors with four 3,400kw generators. The hull is reinforced with 4cm thick strengthened steel to break 1m thick sea ice continuously with a speed of 3 knots. She can accommodate 85 people including 25 crew members. The main mission of *Araon* is to conduct independent research in the polar regions and support two Korean stations in Antarctica. She has laboratories equipped with high end research instruments for studying atmospheric and ozone layer, paleo-marine and paleo-climate, ocean physics, chemistry, geology and biology. She carries out important science projects in the Southern Ocean supported by many international scientists. To ensure precise manouvering on the water, *Araon* has the dynamic positioning system that helps her to stay in position, controlled by GPS and thrusters. *Araon* also has a helicopter operating facility, storage for 31 containers and cranes of 25, 10, and 3 ton capacity.

