

CSIRO Educator on Board

RV *Investigator* voyage IN2018_T02

CSIRO is offering the opportunity for two Australian science, technology, engineering and mathematics (STEM) primary and secondary teachers to participate in a voyage on RV *Investigator* as part of an 8-day transit from Brisbane to Hobart from May 14-21.

The main research projects happening on this voyage are:

- *Harmful Algal Blooms and their long term sediment record in East Coast Tasmanian waters.*
- *Spatial and temporal variability in the distribution and abundance of seabirds.*
- *Remote-ROAM: mobile modelling sea trials.*

Participating teachers will work with researchers on board and develop curriculum-linked classroom resources that can be trialled in their classroom/school and eventually shared with other teachers.

Prior to departure

Successful teachers will be required to

- Complete all Marine National Facility (MNF) pre-departure requirements, including a medical assessment (~3 hours) and have their employer sign the MNF's indemnity and release documentation mandatory for all ship users.
- Complete media and WebEx and any other technical training (~3 hours).
- Actively participate in any pre-voyage planning and meetings (remotely if interstate). This includes any meetings required by the MNF as well as meeting with main (land-based) CSIRO Education & Outreach contact and MNF liaison to discuss voyage aims, practicalities and work plan (~2 hours).
- Meet with MNF liaison in port prior to departure to receive ship induction and be introduced to the master, voyage manager and chief scientist (~2 hours).

On-board requirements

- Work rostered on-board hours (within the limitations of any operational requirements).
- Engage with scientists and technicians, and assist the science wherever possible – in consultation with the Principal Investigators and MNF on-board liaison.
- Make contact regularly (~3 times per week) with main CSIRO Education contact to discuss progress/ideas/problems.

Voyage deliverables

- Develop curriculum-linked lesson plans and resources based on the research and/or ship operations.
- Undertake video link ups/interactive classrooms to schools and/or CSIRO events.
- Produce a daily blog/diary (incl. daily image) for the Educator on Board webpage. This may be featured on the *Investigator* blog.
- Contribute content for use on CSIRO social media channels and participate in any media activities arising from the Educator on Board program.
- Participate in post-voyage evaluation and, if required, produce a short trip report detailing activities and achievements.
- Participate, subject to availability, in supporting public ship tours in arrival port.
- Record and upload sightings to the Atlas of Living Australia.

Post voyage deliverables

- Implement lesson plans into teachers' classrooms and provide feedback to CSIRO about how the students engaged with these activities and then make these resources available to other teachers through the MNF and CSIRO Education webpages.
- When requested, develop and present teacher professional learning sessions to promote and share their experience onboard the RV *Investigator* locally and at least one state or national science teacher conference.

To Apply

Provide a copy of your CV and a short letter outlining your vision for this program, your experience developing curriculum linked classroom activities based on scientific research, any experience working at sea, with small groups of people or working in isolated situations. You will also need to provide a letter of support from your principal.

Insurance

Teachers are responsible for organising their own insurance either through their school, department or taking out personal travel insurance. If personal, we can help cover the costs of this.

Applications must be submitted to Vicki Stavropoulos by **5pm on Wednesday 21st February 2018.**

CSIRO is committed to Diversity and Inclusion in the work place and to increasing the employment of Indigenous peoples in our organisation. We encourage Aboriginal and Torres Strait Islander people to consider applying for this role.

Contact

Vicki Stavropoulos
Manager Program Development
CSIRO Education & Outreach
Ph: 02 6276 6567
Email: Vicki.Stavropoulos@csiro.au