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# **Radioisotope Awareness on UNOLS vessels**

**RVOC**

**23-25 April 2013**

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# 2011 Workshop

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**“How can we keep the ships clean for ALL users?”**

- **Workshop consisted of Enhanced Isotope scientists, Natural Abundance scientists, Tech Managers, an RSO and NSF.**
- **Radioisotope contamination levels that affect natural abundance work are far smaller than levels regulated for Health and Safety.**
- **We can't standardize enhanced radioisotope operations throughout the fleet due to varying state/institutional regulations.**

# What can we do?

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- Build awareness of the potential problem.
- Continue to monitor for contamination using Operation SWAB.
- Create Radioisotope Use Logs that document the history of radioisotope use and SWAB tests of each vessel.

# How can we do this?

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## UNOLS Radioisotope Contamination Awareness Program

<http://www.unols.org/info/RadioisotopeUse/RadAwareness.html>

- Provides tools to help operators educate science parties to the potential problem. These include:
  - A short briefing of the potential problem
  - Presentations for Science and Crew regarding radioisotope contamination awareness
  - A checklist to guide pre-cruise shipboard discussion applicable to all users
- Discusses the SWAB monitoring program
- Introduces the Radioisotope Use Logs for the fleet

# Resources

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- **UNOLS RVSS Chapter 10 -**  
[http://www.unols.org/publications/manuals/saf\\_stand/contents.htm](http://www.unols.org/publications/manuals/saf_stand/contents.htm)
- **UNOLS Radioisotope Awareness Program -**  
<http://www.unols.org/info/RadioisotopeUse/RadAwareness.html>
- **Some current institution/vessel policies:**
  - SIO** – [http://shipsked.ucsd.edu/Schedules/Instructions\\_For\\_Scientists/Isotopes/](http://shipsked.ucsd.edu/Schedules/Instructions_For_Scientists/Isotopes/)
  - WHOI** - <http://ehs.who.edu/ehs/DesktopDefault.aspx?tabindex=3&tabid=5>
  - Skio**  
<http://www.skio.usg.edu/resources/rvsavannah/downloads/cruiseplanningmanual.pdf>
  - OSU** - [www.shipops.oregonstate.edu/ops/wecoma/appendix\\_11.pdf](http://www.shipops.oregonstate.edu/ops/wecoma/appendix_11.pdf)

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# UNOLS Science Equipment Inventory

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[https://strs.unols.org/Public/diu\\_login.aspx](https://strs.unols.org/Public/diu_login.aspx)

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# Online Planning Application

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# Online Planning Application

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- Create an application that is robust and flexible enough to meet the distinct planning needs of each institution yet “simple” enough to be manipulated without a programmer.
- Pilot Program funded through WHOI/R2R
- *Almost* to production
- After the RVTEC 9 institutions expressed interest in the application
- Looking for input/interest from the Operations
- <http://cp-demo.whoi.edu>