

# ALIOUS: ACTIVE LEARNING IN UNIVERSITY SCIENCE - LEADING CHANGE IN AUSTRALIAN SCIENCE TEACHING

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## ABSTRACT

The ALIUS project is about leading change in the teaching of chemistry in large university classes. ALIUS is a collaboration of six Australian universities funded by an ALTC Leadership for Excellence in Learning and Teaching Grant (LE8-818). The aims of this project lie in three domains:

- Development of project members as Science Learning Leaders
- Development of the skills of project members in practice-based learning and teaching innovation
- Creation of a virtual Learning Hub

Methods being used to achieve these aims are:

- Leadership- professional development in leadership specifically targeted at fostering change in academic teaching practice
- Learning and Teaching Innovation - the U.S. NSF funded POGIL project will be used as a model for teaching innovation.
- Experienced POGIL instructors and facilitators brought from the U.S. run workshops and consultancies with ALIUS project members to build member skills in teaching innovation.
- The learning hub (<http://www.alius.edu.au/>) will serve as a resource to share experiences in building teaching innovation, developed materials, resources about innovative teaching methods

This presentation will report results and experiences of the project, including:

- Experiences in implementing new teaching practices
- Experiences in motivating changes in teaching practice of colleagues
- Answers to uniquely Australian problems in implementation of POGIL style activities
- Report on impact nationwide
- Plans for next project

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