Work-integrated learning and STEM skills in the work force

ACDS T&L Conference
Brisbane, July 17th 2015

Professor John Rice
University of Sydney
Australian Council of Deans of Science
Science is funded by teaching

Public investment is based on the promise that a university education provides a good start in life.

A university education helps one to engage in the world and to shape its and our own future.

Employability in particular, and connection with the world beyond university are highly sought after.
NATIONAL STRATEGY ON WORK INTEGRATED LEARNING IN UNIVERSITY EDUCATION
WIL in STEM in Australia

The indicative data suggest that during their degree

- almost three of every four ICT bachelor students experience an industry based project,
- about one in four agriculture and environmental studies students
- about one in seven science students.

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9 Case studies – Examples of WIL in Practice

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9.2 Examples of WIL in Science

Biology Laboratory Simulations
   The Australian National University (ANU)

University of Technology Sydney and Choice
   Physics in the real world

Internships in a research-focussed institution
   The University of Melbourne

Undergraduate Research Opportunities Program
   Biomedical Research Victoria
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SPILnet

Science Professional

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Integrated Learning Network
What the network will do

- identify and share experience of a spectrum of WIL activities,
- identify and share academic standards and course structures
- examine organizational structures needed to foster WIL,
- advice on relationship building with industry/organisations,
- point of contact for the ACDS with peak organisational bodies.
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<td>July 2015</td>
<td>Steering Committee convened</td>
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<td>September 2015</td>
<td>Criteria for action-learning projects established</td>
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<td>December 2015</td>
<td>Call for expressions of interest for action-learning projects</td>
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<td>January 2016</td>
<td>National Forum on WIL in Science</td>
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<tr>
<td>April-October 2016</td>
<td>Selection and announcement of action-learning projects</td>
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<td>December 2016</td>
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