

WIL in Science

A national project to develop work-integrated learning in Faculties of Science

From the Australian Council of Deans of Science
Funded by the Office of the Chief Scientist



Science Context

- Generalist degree
- No professional focus
- Multiplicity of tacit professional roles
- Few science students have industry placement (1/7)

Discovery Research

Teaching

WIL

Edwards et al (2015)

Work Integrated Learning in STEM in Australian Universities

Building WIL is complex



Diagram developed from: Patrick, C. J. et. al. (2014). Leading WIL: a distributed leadership approach to enhance work integrated learning. Office for Learning and Teaching

Organization for WIL



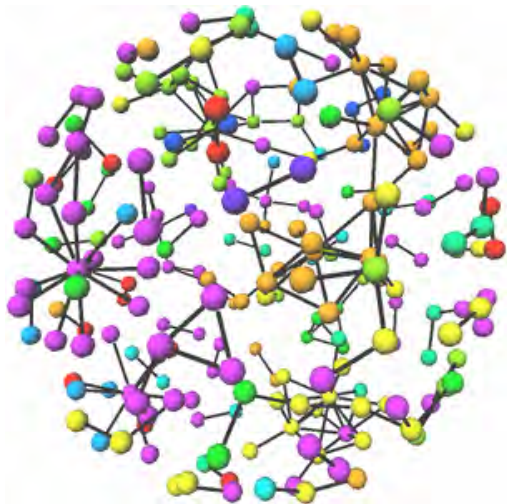
Benchmarks for WIL in Science Faculties

- Co-ordinated senior **leadership**
- Clear point of **contact** for industry engagement
- Explicit **models** for engagement with industry
- **Processes** to embed WIL within courses
- **Recognition** and credit for WIL for students and staff



Growing WIL in Science

- WIL in Science leadership project
 - Sustained leadership
 - Peer learning
 - Linkage to sector WIL leaders
- Successful WIL in Science (OLT, from Aug 2016)
 - Extending collaboration
 - Building resources
 - Student voice
 - Building capability in WIL teams



WIL in Science Leadership Project

- **National leadership network**
 - Ongoing peer-to-peer learning
 - National consensus
- **Build capacity: resources and mentoring**
 - Build understanding of WIL
 - Share standards and course structures
- **Action to foster WIL: lighthouse project**
 - Industry relationships
 - Alignment with university



Lighthouse Projects

Illuminating the WIL journey for Faculties

- *Strategy & objectives*
- *WIL activities*
- *People*
- *Systems*

***Developing alternative
approaches to WIL****
*University of Queensland
Monash University*

Setting up Faculty WIL programs*

*University of Tasmania
Western Sydney
University*

***Extending WIL and building
capacity for the future***
*University of Technology,
Sydney
Deakin University*