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


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

- Local champions
- Designated leaders
- Faculty priorities
- Multi-level relationships
- WIL Programs
- Institutional systems
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
• **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 projects**
  – 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

Darren Flinders Flamborough Lighthouse, East Yorkshire,
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