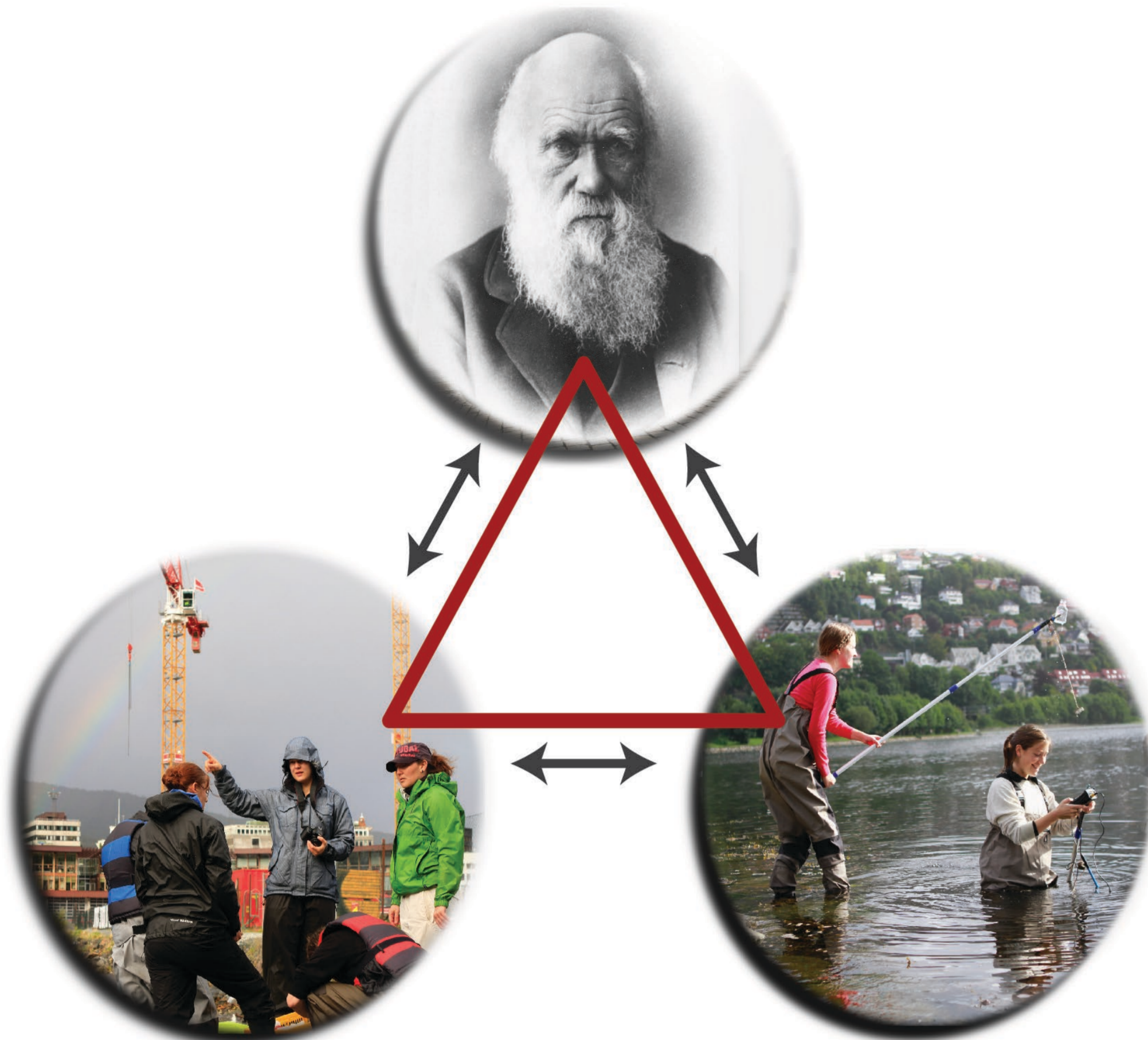




Content knowledge



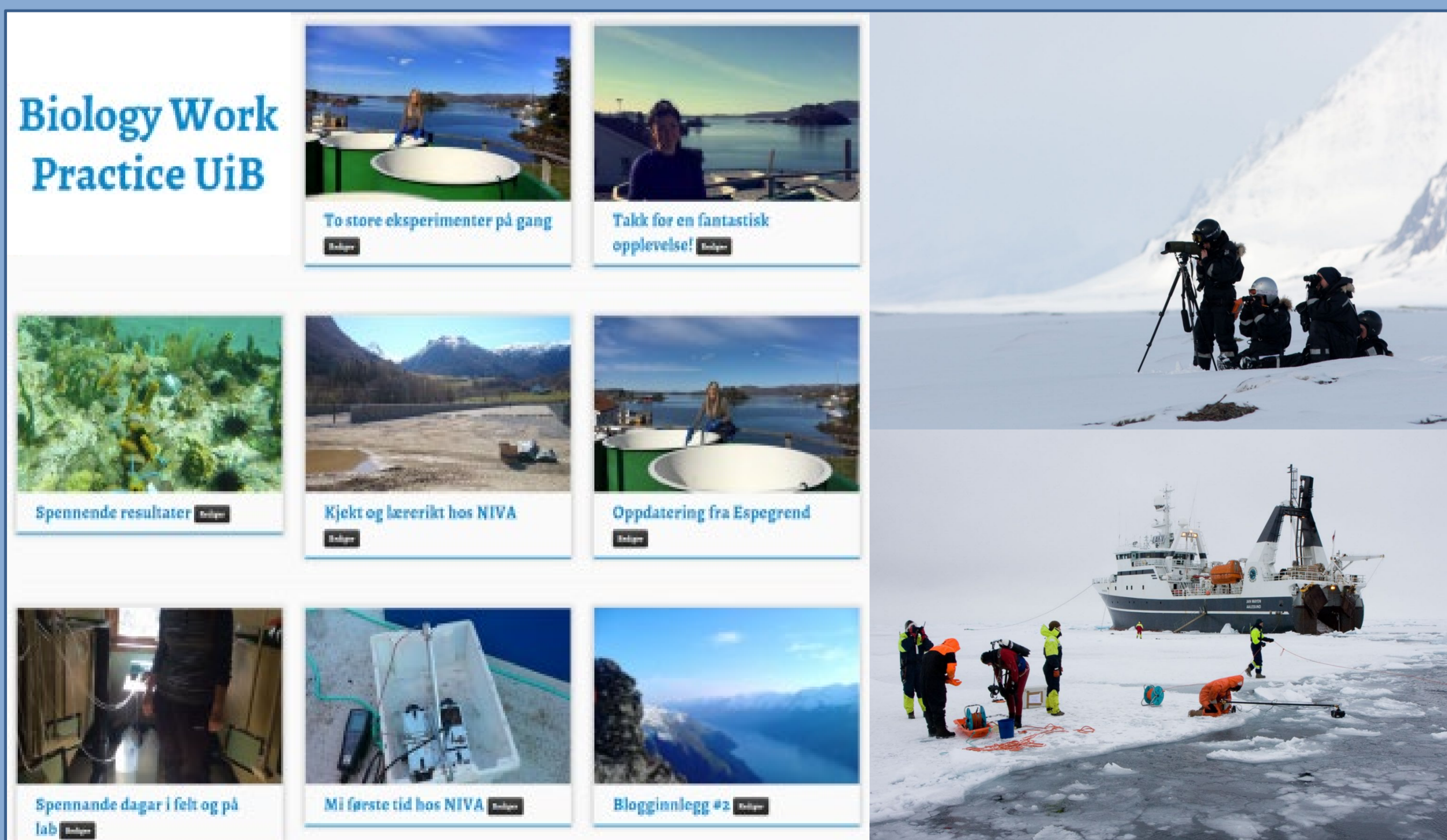
Societal relevance

Practical skills

bioCEED's vision: we educate tomorrow's biologists!

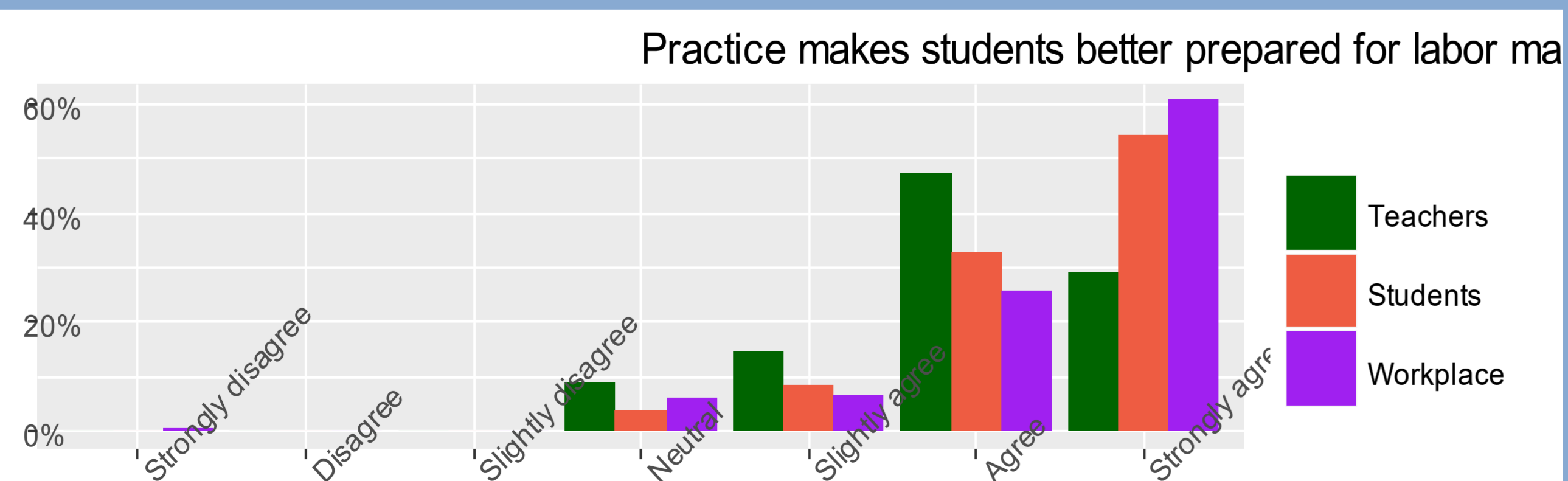
Biology emerges in the interface between biological theory, practical methods and applications of biology, and the needs of society. Biology students should experience all these three aspects of biology.

Becoming a biologist by being a biologist



Our students get practical experience through field, lab and workplace-practice from day 1.

Practice supports learning, increases motivation, and prepares students for the job market.



bioCEED
Survey 2015

Building a teacher culture



The two academic cultures:

Researcher

- Research groups
- Social – built on trust
- Collaborate to exploit complementary strengths
- Continuous development – knowledge transfer
- The scientific method
- Share findings – open
- Write, document, publish
- Peer review
- Follow the literature
- Make use of new methods, new technology

Teacher

- Alone in front of the class...
- Distribute tasks – loneliness
- Everyone does everything
- 'Flip over & start again'
- 'Experience'
- Own experience – closed
- All documentation in the drawer
- Student evaluations
- Trained when appointed (at best)
- Conserve methods: the lecture!

Design, data, and statistics

- numerical skills for BSc-students in biology

Jenny, Jeppe, Vigdis & Sigrunn
UNIS 14.03.16



We bring the best from the research culture into the teaching culture.

- Promoting shared responsibility, continuous development, 'peer-review' and recognition
- Creating room for discussion, exchange, learning, and educational development
- Documenting and disseminating knowledge and experience with biology teaching

Together, a collegial culture based on Scholarship of Teaching and Learning (SoTL)

Innovative learning methods

New technology, combined with traditional learning arenas and hands-on methods, gives students opportunities and motivation for learning!

We develop apps for identifying plants and animals in the field (ArtsAPP) and online platforms for skills training across the curriculum (bioSKILLS).

Learning methods are aligned with assessment.

