Early Career Researcher’s Pathways Workshop

Dr. Makyba Charles-Ayinde
Developing opportunities with more than 125 resource organizations.
Belmont Forum Theory of Change

TYPICAL MODEL:

Funds → Natural Scientists → Findings → Translation → Stakeholders; policy makers → Policy outcome/change (Application)

Funds → Social Scientists → Findings → Translation → Identify app. in-country

BELMONT FORUM MODEL:

Co-Design pre-award → Co-Implementation post-award → Findings for Research & Practice → Mitigation & Adaptation (Application)

Social Scientists | Natural Scientists | Policy makers | Stakeholders
BELMONT FORUM CHALLENGE

providing knowledge for understanding, mitigating, and adapting to global environmental change

> Transdisciplinary
> Transnational
• Working across knowledge domains
• Engaging research, practitioners, and policy-makers
• Increasing uptake through built-in client base
• Supporting systems thinking
• Encouraging relevance, application, action, and re-use
Transdisciplinarity

Students in this class have all had experience conducting disciplinary research and a few have even participated in multi-disciplinary or interdisciplinary projects; however, for the most part, transdisciplinary research remains an aspirational state for students and professors, alike. Source: nature.com

Figure 1: Definition of five types of scientific problems and distinction of transdisciplinary research from inter- and multidisciplinary research. ——: discipline, ■: scientific problem, ————: boundaries between disciplines, ————: boundary between scientific system and "real world". [1]

Building the field

Workshop: Transdisciplinary co-design, integration and implementation
Building a global transdisciplinary culture

- Co-advancement of science and society
- Developing transboundary capacity to address common needs
- Creating an expectation of transparency
  - Between sectors, including industry
  - In products and communication
17 Collaborative Research Actions

more than 100 million € awarded to over 100 projects

partnering with more than 125 resource providers

engaging more than 1000 participants in more than 35 countries
In Scoping: Migration, Beyond the Paris Agreement, In Focusing: Climate-Environment-Health II, Sustainable Consumption
Belmont Forum: making a difference

High quality research outputs

Evaluation Metrics for TD science

Pathways to the SDGs

Building the community
Belmont Forum: Open data

• Open data policy and practice:
  Data should be: • Discoverable
  • Accessible • Understandable
  • Manageable and protected from loss

• Data management Skills Curricula Framework

• Data management training Module

• Online data management toolkit
Sustainability Research & Innovation Congress 2021
12-15 June, 2021 – Brisbane, Australia

The Sustainability Research & Innovation Congress 2021 (SRI2021) is the world’s first transdisciplinary gathering in sustainability – it will be a space of fierce advocacy for sustainability scholarship and innovation, collaboration and action.

This is an annual event that unites global leaders, experts, industry and innovators to inspire action and promote a sustainability transformation.

Australia, who hosts the Congress in 2021, plays a unique role in the global community as a conduit between the Global North and the Global South, and indigenous peoples and traditional sustainability practices. The local hosting consortium features academia, government, and private sector partners from Brisbane and the State of Queensland to meet the breadth of the SRI2021 agenda.

https://sri2021.org/
What will your greatest added value be?

new food systems  
Enhanced knowledge  
new supply chains  
Community support  
Profitability  
management guidelines  
Network development  
Co-creation  
Education  
Scholar exchange  
Economic empowerment  
Security  
sustainability design  
Collaborative development  
sectoral integration  
Policy  
data visualization  
Decision support  
Cross-sector governance  
self-sufficiency  
Preventative measures  
Synthesis  
Transdisciplinary training  
Translation  
Marketability  
Digital Health Systems  
Web services  
Technology transfer  
Reducing impacts  
quality of life  
International partnerships  
identifying gaps  
BELMONT FORUM