



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Sustainability at BCIT

Jennie Moore, MCIP, LEED A.P., PhD Candidate

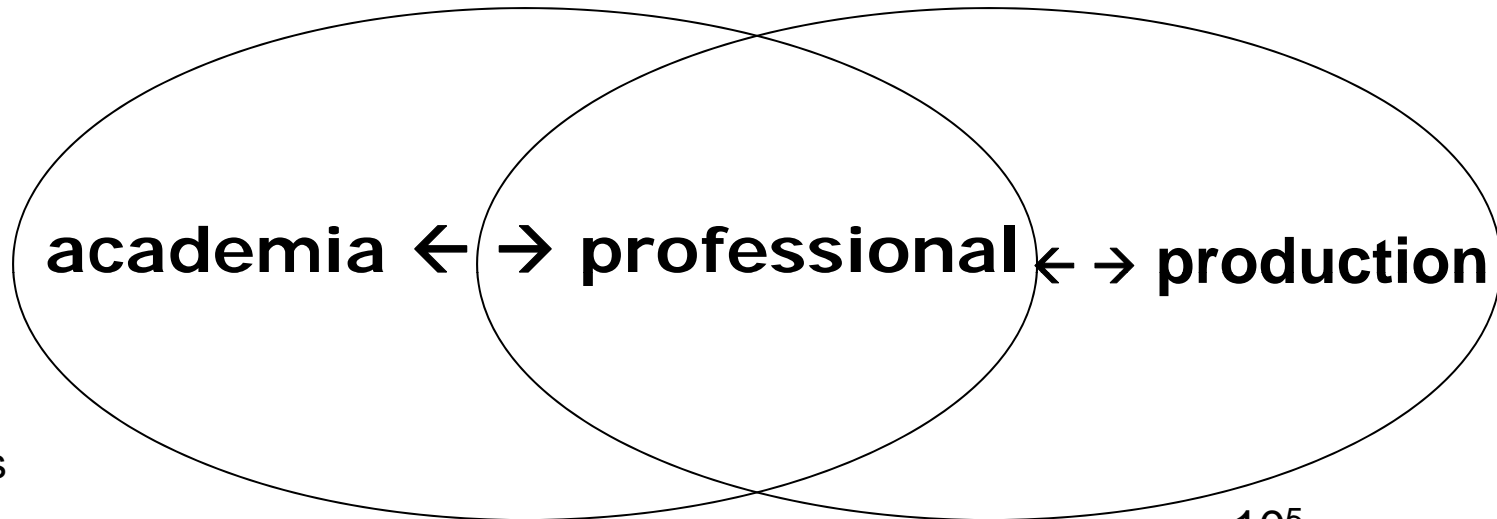
Director Sustainable Development and
Environmental Stewardship

School of Construction and the Environment



BCIT Schools

- School of Business
- School of Computing and Academic Studies
- School of Construction and the Environment
- School of Health Sciences
- School of Manufacturing, Electronics and Industrial Processes
- School of Transportation



of individuals

10^3

10^4

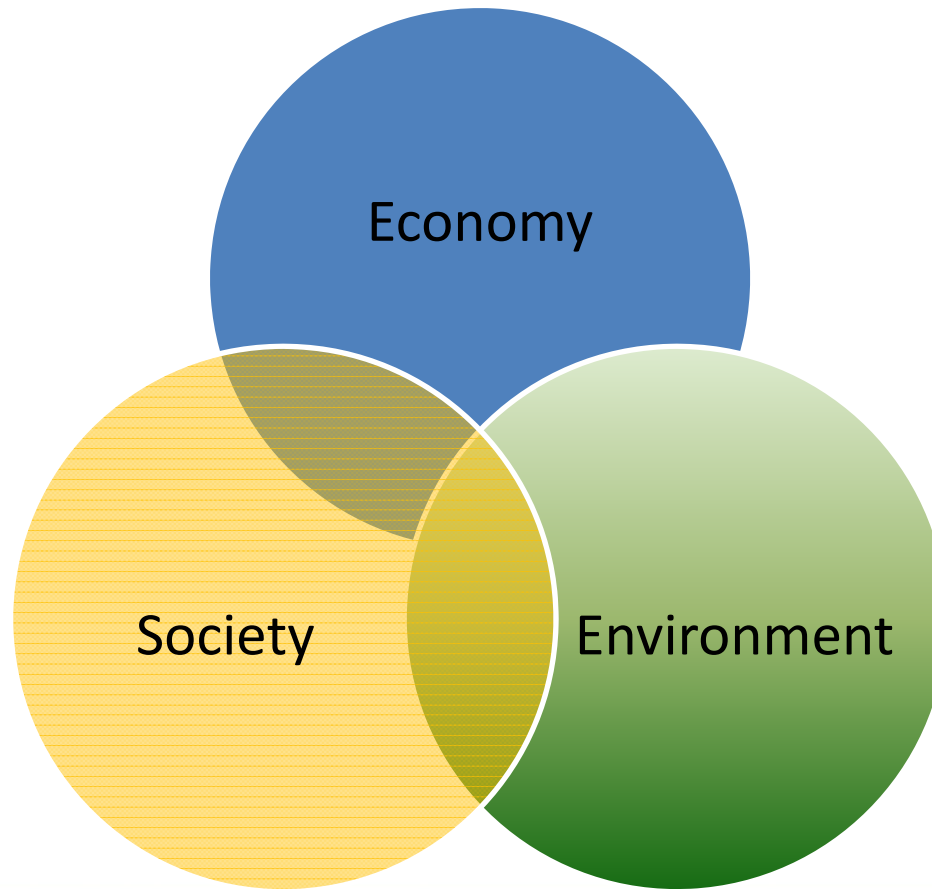
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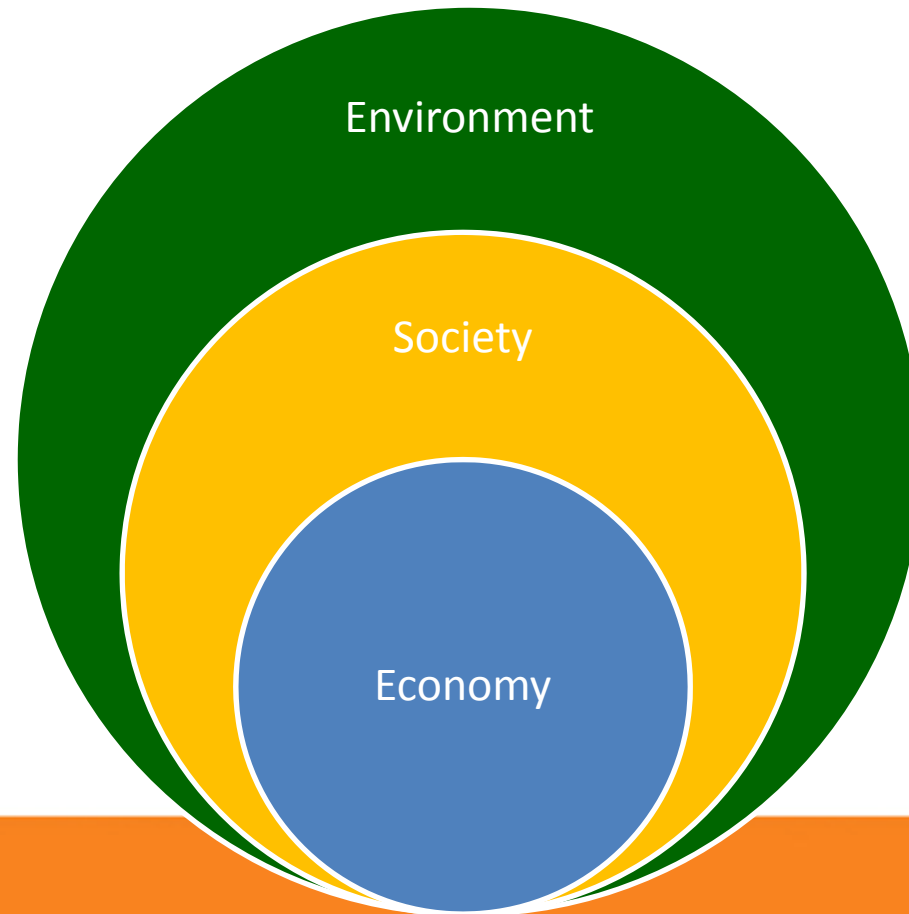


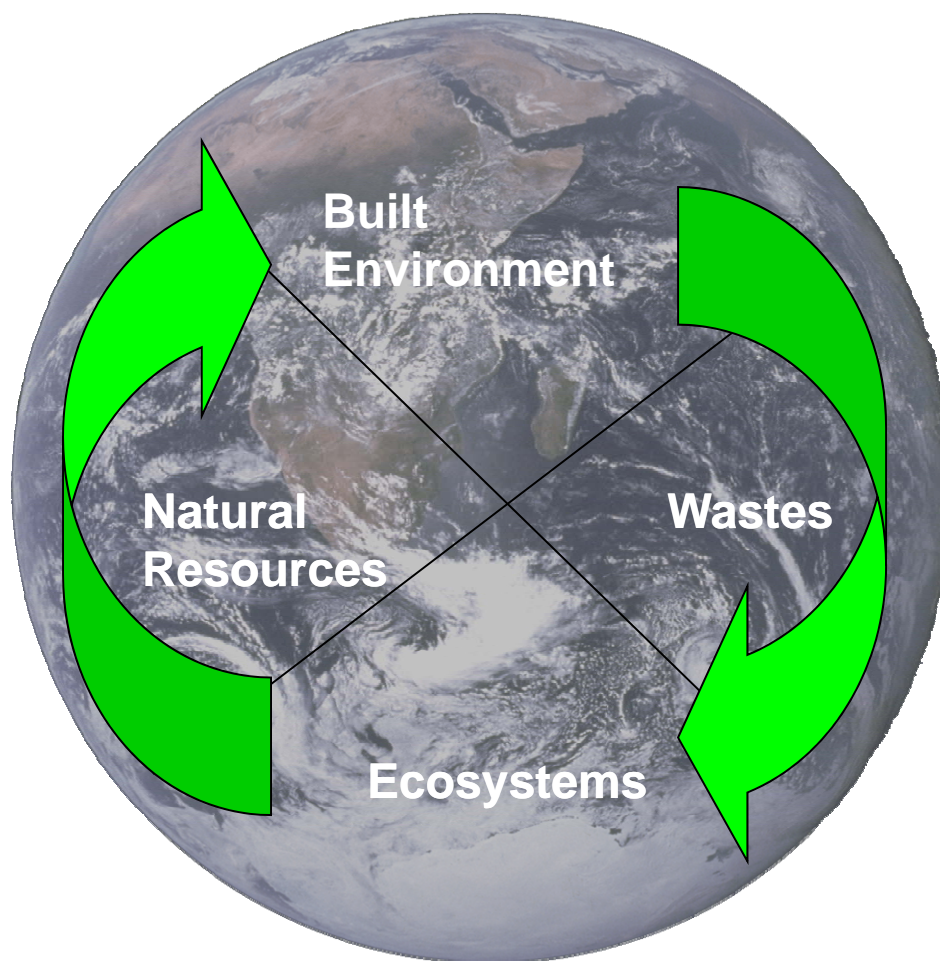
Sustainability: A Global Concern

Dimensions of Sustainability



Dimensions of Sustainability: Nested Hierarchy of Systems





Society

Economy
(inputs)



Economy
(outputs)

Environment

SOCE:

Sustainability Themes to Guide Action

- Strengthen and protect assets
- Balance use and renewal of resources
- Account for all costs and benefits
- Reduce waste and eliminate toxics
- Ensure safety and access to services
- Support opportunities for improvement and enjoyment

Interdisciplinary integrated, multidisciplinary and trans-disciplinary

new and
emerging
disciplines

e.g.,

**Sustainable Energy
Management A.C.
Ecological Restoration
Degree**

morphing of
existing
disciplines

e.g.,

**Environmental
Engineering**

embedding the
practices of
sustainability
into existing
disciplines

e.g.,

**Skilled trades,
vocations and
paraprofessionals**

De-segregate
operations from
academics

e.g.,

**The whole campus,
living laboratories,
showcases, distance
learning and exchanges**

Campus as Living Lab of Sustainability



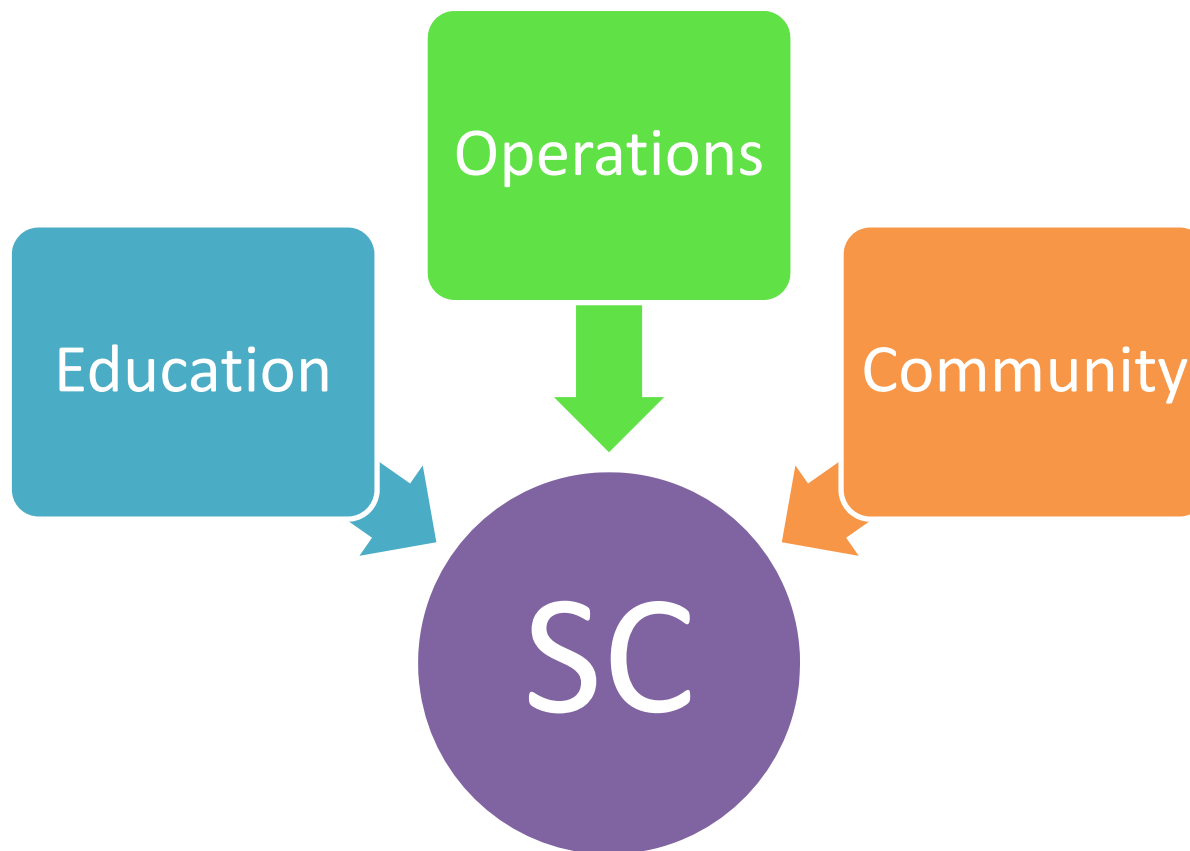
Starting Premises

- No new resources – shift from within
- Results driven – form emerges from performance requirements
- KPIs linked to \$ savings but not entirely dependent
- Network approach – maintain integration across education, applied research and operation portfolios

Integrated Team Approach

- Education
 - Become a leader in sustainability education and applied research
 - Advance the state of practice towards a Green and Fair Economy
- Operations
 - Reduce our Ecological Footprint
 - Develop the Campuses as Living Labs of Sustainability

Model for Implementation



Future Vision

- Engagement across the Institute
- Building capacity over time:
 - Revolving fund built on savings
 - Empowerment through participation
 - Attracting resources with legacy benefits (e.g. Applied Research Endowment)