CECCS Adams Celebration UTSC

Miller, MacLellan - January 12, 2021
1. **MANDATE: Information Session → UTSC Sustainability Panel Discussion (March)**

   *The purpose of this event is to set up the groundwork for a follow up event in March. This second event is intended to provide individuals with the opportunity to actively participate in developing a proactive and engaged culture of sustainability at the UTSC campus.*

2. **AGENCY: OLD SCHOOL**
3. **INSTITUTIONAL PLANNING**
   - UTSC STRATEGIC PLAN
   - CECCS HARMONIZATION
4. **FOUNDATIONAL CASE STUDY**
5. **NEXT STEPS**
Internal operating environment; within the control of the organization:

- Labour
- Materials
- Facilities
- Financial Capital
- Management
External *micro* operating environment; outside the control of the organization:

- Partners
- Future Students, Faculty and Staff
- Sector Peers
- Vendors, partners and support
- Local Public/community
External *macro* operating environment; outside the control of the organization:

- Political Environment
- Cultural environment
- Technological environment
- Natural environment
- Demographic environment
- International environment
Let’s not get ahead of ourselves. Do we really have control over our internal operating environment? Do we even know what it looks like?

And what about our relationship to St George Campus …?, as well as Mississauga?
Our inner operating environment?

The UTSC Strategic Plan has been developed as a dynamic vehicle to proactively incorporate consultation, inclusion and implementation ... towards the attainment of our agreed upon, institutional goals.
The plan commits to: “evolve our processes and planning to enable the talented members of our community to develop their fullest potential. These actions are to be rooted in a comprehensive and intentional set of commitments, as follows (UTSC 2020):

• to embed our values of equity, diversity, inclusion and accountable stewardship into our teaching, learning, scholarship, daily routines and structures;
• to give pride of place to Indigenous initiatives that reflect our values and are intrinsically embedded in those practices and systems; and
• to ensure that we champion sustainable livelihoods, cultures, and ecosystems that have local and global relevance and resonance.
Values of the UTSC Strategic Plan

INTENTIONAL INCLUSION
Only by genuinely embracing and understanding different experiences, backgrounds, perspectives, and identities can we sustain our vibrant intellectual community and address our global challenges. We take pride in the diversity of our community, but it is only meaningful in a culture of equity and inclusion that flows from active and intentional action to ensure that every voice is heard and everyone feels a strong sense of belonging.

STUDENTS AS PARTNERS
Students are active participants and partners in the educational process. From curriculum development to cutting-edge scholar- ship to community service that produces global leaders to shaping our values, our students play a critical role as valued partners in enriching our academic and community activities.

RECIPROCITY
We are defined by collaborative, fair, and reciprocal partnerships for the mutual benefit of colleagues, students, alumni, Indigenous communities, neighbours, and global networks. As an anchor institution in the eastern GTA, we are committed to shared leadership and will work with our local partners to ensure that we remain responsive, relevant, accountable, and accessible to our communities in the pursuit of our common goals while engaging the world.

ACCOUNTABLE STEWARDSHIP
We continually challenge the status quo in order to be more effective stewards of our resources and to exemplify individual and collective accountability. We make efficient use of our fiscal resources, promote transparent and participatory decision-making, and facilitate effective administrative processes that ensure continuous improvement in all that we provide to the internal and external communities that we serve. We commit to respecting Indigenous traditions, lands, and ways of knowing; and to protecting the ecosystems that sustain us and which we hold in trust for future generations.
Who are we talking about here?
1. **CURRICULUM**
   1. Synoptic Campus mapping exercise (Register’s Office, 2015)
   2. Course Network Analysis
   3. Retention Course analysis
   4. Etc etc ....
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   4. Etc etc ....

2. **RESEARCH**
   2. DPES external review research
   3. RIISQ Author Network gap analysis
   4. NRCAN National Assessment
   5. Etc etc
<table>
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<th>KW2</th>
<th>KW3</th>
<th>KW4</th>
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LEFT to RIGHT >> start with the high level descriptors and move towards specifics >>>>>>>>>
Now that we have a better idea of who we are … and have a platform or strategic forum to deliver on our collective intentions … how do we transform our day-to-day activities?
President’s Advisory Committee on the Environment, Climate Change, and Sustainability (CECCS)

As we extend out relationship outward, how do we incorporate other factors into our model of institutional dynamics?

What about St George? What about Mississauga? What about Canada? What about the world?
CECCS

Curriculum Innovation
3. Curriculum Innovation
University as Agent of Change
2. University as Agent of Change

- Sustainability Celebration, 2020-22
- Adams Sustainability Championship Interns
- U of T membership in UC3 and U7+ Alliance
- Community Engaged Learning activities
- Sustainable Buildings Canada “Better Buildings” boot camp
We now have a lot of pieces to be able to turn back and contextualize the amazing work that has been done at UTSC, within a broader, international framework, so that we can both learn from, but also contribute to the environmental challenges that face us.
1. Campus as Living Lab

- Identify 2 projects per campus (1 new, 1 retrofit)
- Climate Change plans and goals
- SDG work
- Business Air travel Report to President
- Campus as living Lab course
Case Study: Environmental Science and Chemistry Building
Case Study: Passive House
Case Study: Renewal for Carbon Reduction

The University of Toronto Scarborough is continuing to convert campus building heating systems from steam to hot water. Building on renovations on the original Science Wing building, UTSC will continue to convert heating systems in the Humanities Wing, including the installation of high-efficiency boilers and ground source heat pumps. Combined with improved delivery and controls, the new system will result in better comfort and substantially lower GHG emissions.

Target GHG Reduction = 260 Tonne eCO2/year

**Distribute:** Efficient Distribution

- **Produce:** Clean Energy & Carbon Capture
- **Distribute:** Efficient Distribution
- **Consume:** Reduced Consumption
Case Study: Landscape, Urban Farming and Public and Green Space
TAKE HOME

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2. NEXT STEPS
   • Use the information we have generated to …

3. RESOURCES:
   • Link to the UTSC Strategic Plan
   • Link to the CECCS report
   • Link to Sustainability SDGs
Campus as Living Lab

University as Agent of Change

Curriculum Innovation