## President’s Advisory Committee on Sustainability (PACS)

### Agenda

**Friday 25 January 2019 / 8:30 – 10:00 am / AH 527**

<table>
<thead>
<tr>
<th>AT</th>
<th>ITEM</th>
<th>SUBJECT</th>
<th>PAGES</th>
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</tr>
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<tbody>
<tr>
<td>8:30</td>
<td>1</td>
<td>Welcome, receipt of agenda and 30 November 2018 meeting notes</td>
<td>1-8</td>
<td>Chair</td>
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### Leadership, Communication and Engagement

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<tr>
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<tbody>
<tr>
<td>8:35</td>
<td>2</td>
<td>Print optimization: update on meetings with U of S, Sask Poly, etc.</td>
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<td>R Konescni</td>
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### Waste, Energy and Transportation

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<tr>
<td>8:45</td>
<td>3</td>
<td>UR Utility Portfolio: YouTube video update</td>
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<tr>
<td>8:50</td>
<td>4</td>
<td>Campus goals: water and electricity usage</td>
<td></td>
<td>N Paskewitz</td>
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<td>9:05</td>
<td>5</td>
<td>Recycled content of the University’s paper</td>
<td>9</td>
<td>R Konescni</td>
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### Operations and Other Issues

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<tr>
<td>9:15</td>
<td>6</td>
<td>2019-20 draft meeting dates &amp; membership terms</td>
<td>10</td>
<td>B Butz</td>
</tr>
<tr>
<td>9:25</td>
<td>7</td>
<td>SCEF terms of reference and guidelines</td>
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| 9:30 | 8    | Sustainability support updates  
- Small desk garbage |       |      |
| 9:40 | 9    | Round-table discussion  
- Cigarette butt litter | All   |      |
| 10:00 | 10 | Adjournment |       |      |

### PACS 2018-19 meeting dates

29 March / 31 May

Agendas close the preceding Thursday at 4 pm

Please send agenda items and supporting material to bryanna.butz@uregina.ca.
1. Welcome, introduction of Michael Paul, our guest observer, and call to order at 8:30 am. Agenda approved as received. Meeting notes of 28 September 2018 received without emendation.

**LEADERSHIP, COMMUNICATION AND ENGAGEMENT**

2. **AASHE & STARS memberships**
   The University’s AASHE membership expires in February 2019 and our STARS Reporter designation expired 26 November 2018. PACS discussed both and agreed to let the AASHE membership temporarily lapse and to renew the STARS designation once a more permanent Sustainability Coordinator is in place. In making these decisions, PACS agreed to shift the campus focus to smaller campus goals and challenges such as electricity and water usage awareness. Though there are benefits to both the AASHE membership and STARS designation, PACS sees the benefit in trying something new and different. In collaboration with PACS and the campus as a whole, Facilities Management has agreed to determine some reasonable and stretch goals regarding the University’s water and electricity usage. The goals that will be set will involve all units and areas of the University, including the federated colleges, and will assist in our future STARS designation submission. In order to actively achieve these goals, it will be imperative to continuously promote and communicate the goals, progress, and our overall intent to the campus community. Without proper communication, meeting these goals will be difficult.

   The Chair noted the importance of bringing this forward at an upcoming Executive of Council meeting as well.

3. **Vice Regal project: update**
   G Pickard joined PACS and reviewed, in more detail, the documents provided in the agenda package. He also provided PACS an additional handout, Attachment 1. The vice regal project is ongoing. Now that the three new lieutenant governors are settling into their new positions, they plan to look at further strengthening the UNSDGs across our country.

4. **IAU SDG: regular update**
   R Petry provided PACS an update and an additional handout, Attachment 2. The IAU invited ambassadors from each country to the Paris meeting in January and R Petry will be attending as a representative. Prior to this meeting, R Petry plans to host and participate in virtual strategizing meetings with the various SDG 12 collaborators/cluster leads and to bring them to campus in May for a 2-day conference. This conference will be planned around other sustainability activities taking place (RCE Awards, etc.) and will provide this group an opportunity to plan the discussion topics for the Paris meeting.
5. **GeothURmal project: update**

UET discussed this proposal and while they do not question its worthiness, they have determined that under the current budgetary constraints, this is not a project the University is able to focus on at this time. The University needs to focus their efforts elsewhere but does feel that geothermal energy is something that may be pursued in the future. Though it is not feasible here at the U of R, PACS hopes to see this idea pursued elsewhere in Saskatchewan and even Canada.

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**OPERATIONS AND OTHER ISSUES**

6. **A Lozhkina travel request: Sustainability: Knowledge mobilization and community engagement (SCEF application)**

PACS reviewed Ms Lozhkina’s travel request and agreed to fund $1,500 of the $2,883 request, which is in line with similarly approved travel requests. As this travel had already occurred and Ms Lozhkina’s proposal provided PACS detailed information on the purpose and outcome of the trip, there is no need to ask her to join PACS for a follow-up presentation. PACS agreed that Ms Lozhkina’s travel abroad increased the U of R’s global connections and invested in our social capital.

7. **Revisiting the SCEF founding partners agreement and terms of reference**

PACS agreed to end the use and reference of the SCEF’s 2014 Founding Partners Agreement. Instead of relying on eight individual partners to fund the SCEF, PACS agreed that it is more appropriate to ask for funds from the University Leadership Team, which includes Deans’ Council, as a whole. These requests will go out bi-annually, every February and September. B Butz will inform the eight partners of this decision.

Though the agreement itself will be done away with, PACS did agree to continue to use and reference the SCEF Terms of Reference (ToR) document. That said, this document needs to be re-visited and updated. B Butz will begin working with the necessary parties to start this update process and will update PACS as necessary.

8. **SCEF update**

As noted in B Butz’s 18 October email to PACS, out of the 10 2018 Fall SCEF applications (totalling $19,445) only two were approved. The SCEF Steering Committee awarded $2,750 and agreed that the quality of proposals was not there. Many applicants did not adhere to the eligibility and criteria guidelines so B Butz will work with PACS and the SCEF Steering Committee to try and determine a solution (if any) to this problem. B Butz committed to sending out another call for applications in the winter (January) in hopes of awarding the remaining fall dollars ($11,250) but upon further discussion with PACS, PACS agreed to use these remaining funds for current and future initiatives and projects (such as the reusable mug campaign, campus recycling, etc.). Calls for SCEF applications will continue the regular regiment of Spring and Fall with the next call going out in March/April 2019.

9. **Sustainability support updates**

The Sustainability EcoChallenge went very well and received positive feedback from the participants. We plan to participate in this challenge again next year and hope to have an even higher participation rate.

Chartwells provided statistics on the reusable mug discount and as previously reported, from 1-28 September 2018 the 10 cent discount had been given out 407 times. From 29 September to 22 November, this discount had been given out 1,400 times. This is a total of 1,807 discounts over three months which is an average of 602 times per month. We hope to grow this number by continuing to promote the use of reusable mugs on campus and the sustainability benefits they offer.

To address campus concerns over paper recycling options across campus (outside of what the Library offers) John Papandreos, Manager of Custodial Services, has initiated a pilot project of offering paper recycling bins in three different
areas of main campus and a few at CAC. Bin are located in the RC Food Court, Lab Café, Rainbow Pit in the Education building, in two or three classroom areas at CAC. L Stweart will keep PACS updated on the project and its success.

L Stweart advised PACS of the discussions of piloting a small desk garbage bin project. This project would have people using a small garbage bin and emptying it, as needed, into one large main bin. This idea still requires thought and further discussion (how much would we want to spend on purchasing the small bins, who would be the pilot participants, how will be get stats from FM, etc.) and will be added as an agenda item at the January PACS meeting.

PACS reviewed the Sustainability logo options and were very happy with how they turned out. The final logo decision is in the hands of B Butz.

ADJOURNMENT at 10:04 am

NEXT MEETING: 25 JANUARY 2019 8:30 – 10:00 AM (AH 527)
The Competences for educators in education for sustainable development

Learning to do
The educator is able to...

Learning to know
The educator understands...

Learning to live together
The educator works with others in ways that...

Holistic Approach
Integrative thinking and practice
- Create opportunities for sharing ideas and experiences from different disciplines/places/cultures/generations without prejudice and preconceptions
- Work with different perspectives on dilemmas, issues, tensions and conflicts
- Connect the learner to their local and global spheres of influence

Envisioning Change
Past, present and future
- Critically assess processes of change in society and envision sustainable futures
- Communicate a sense of urgency for change and inspire hope
- Facilitate the evaluation of potential consequences of different decisions and actions
- Use the natural, social and built environment, including their own institution, as a context and source of learning

Achieve Transformation
People, pedagogy and education systems
- Why there is a need to transform the education systems that support learning
- Why there is a need to transform the way we educate/learn
- Why it is important to prepare learners to meet new challenges
- The importance of building on the experience of learners as a basis for transformation
- How engagement in real-world issues enhances learning outcomes and helps learners to make a difference in practice

Holistic Approach
Integrative thinking and practice
- Actively engage different groups across generations, cultures, places and disciplines

Envisioning Change
Past, present and future
- Is motivated to make a positive contribution to other people and their social and natural environment, locally and globally
- Is willing to take considered action even in situations of uncertainty

Achieve Transformation
People, pedagogy and education systems
- Is willing to challenge assumptions underlying unsustainable practice
- Is a facilitator and participant in the learning process
- Is a critically reflective practitioner
- Inspires creativity and innovation
- Engages with learners in ways that build positive relationships
MESSAGE SENT BY E-MAIL TO: dl.canada@unesco-delegations.org
11/26/2018
Our Ref: 18.08 /HvL/SM

Dear H. E. Mrs Elaine Ayotte,

Re: IAU and Higher Education and Research for Sustainable Development

I am pleased to write to you to present a new project developed by the International Association of Universities (IAU).

Created in 1950, under the auspices of UNESCO (Associate status) IAU builds a worldwide higher education community and helps to foster global understanding and cooperation. IAU works on four key thematic priorities, as reflected in the IAU strategic plan 2016-2020: internationalisation, leadership, higher education and research for sustainable development (HESD) and technology.

Today I would like to bring the IAU work on HESD to your attention. Sustainable development has been on the IAU agenda ever since 1993 when the Association adopted the IAU Kyoto Declaration. The Association involves its Member in different global agendas, including the UN Decade for Education for Sustainable Development (ESD); IAU took part in the World Conference-ESD in Bonn (2009) and in the End of Decade World Conference on ESD in Aichi-Nagoya (2014); COP-21 which led to the adoption of the Paris Agreement; the UNESCO Global Action Programme on ESD (UNESCO GAP-ESD).

Universities and other higher education institutions are key actors that will allow our societies to reach Agenda 2030. They not only provide the society with the necessary knowledge and help decision-makers to adopt and promote informed solutions, they also educate the future generation of leaders. Even though universities are important, their potential remains too often unused and unnoticed.

At the IAU International Conference 2018, in Kuala Lumpur, last week, IAU launched a Global Cluster of Universities working on the achievement of the Sustainable Development Goals (SDGs). The Cluster is jointly developing initiatives and programmes that will enhance sustainable development policies and practices undertaken by universities. This will help advocate for a better recognition of higher education’s roles at national, regional and international policy levels. 16 Universities, one leading each of the SDGs, build the foundation of the Cluster. SDG 17: Partnerships for the Goals, is led by IAU.

I am very pleased to inform you that the University of Regina and Luther College, represented in particular by Roger Petry and Jocelyn Crivea, is leading the work on SDG 12 "Responsible Production and Consumption".
On 28-30 January 2019, a first official meeting of the Cluster will take place at UNESCO Headquarters in Paris.

IAU submitted a proposal in the context of the UNESCO participation programme and hopes to secure some financial support to help facilitate this important meeting.

We are pleased to invite you to attend part of the workshop in particular to introduce you to the work that is being undertaken and as well to discuss whether you would wish for your Delegation to become involved further in the future. I believe that we can jointly help facilitate a better understanding of global challenges and better connect policy makers and scientists.

I would be pleased to come and meet with you at your convenience to present the work of the IAU and plans we have for the years to come.

Yours sincerely,

Hilligje van’t Land, PhD
Executive Director, International Universities Bureau,
Secretary General, International Association of Universities

CC.
- Roger Petry, Luther College, University of Regina
- Jocelyn Crivea, University of Regina
- Pornchai Mongkhonvanit, President, Siam University, Thailand (IAU Vice-President), Chair IAU work on Higher Education and Research for Sustainable Development (HESD)
- Pam Fredman, IAU President, Former Rector, University of Gothenburg, Sweden
Draft Agenda for 1st Virtual Meeting of SDG 12 “Responsible Consumption and Production” Sub-Cluster as part of the International Association of Universities HESD Cluster

Date and time: To be determined by Doodle Poll (Dec. 17, 18, or 19)
Virtual Platform: “bluejeans” technology managed by IAU

1. Welcome and introductions (5 minutes)

2. Background on the IAU HESD Cluster Initiative (10 minutes)
   1. Recent and upcoming IAU HESD Cluster activities
      2. Meeting of SDG Team Leads (January 28-30, 2019)
   2. Opportunity to ask questions of IAU representative Ms. Stefanie Mallow
   3. Background on Formation of SDG 12 sub-cluster
      1. Selection of university partners (see attached document) and Opportunities

3. Introduction of each university and its activities and interests related to SDG 12 (30 minutes)
   1. Each university representative will have 5 minutes to introduce its university
   2. University partners can share in advance any relevant documents about their universities and/or summaries of activities (see sample from University of Regina)

4. General Discussion Questions (20 minutes)
   1. How might we collaborate strategically to advance SDG 12 on our campuses?
   2. How might we incorporate: (1) dimensions of cultural sustainability and (2) a whole institutional approach? (2 elements distinctive of IAU HESD Cluster)
   3. Opportunity to ask questions

5. Next Steps for SDG 12 Cluster (5 minutes)
   1. In-person SDG 12 Inaugural Conference in Regina, Saskatchewan (Canada) in May, 2019, at Luther College at the University of Regina (starting evening of Sunday, May 5 to May 7, 2019)
      1. Additional opportunities to visit Northern Saskatchewan (RCE Saskatchewan Education for Sustainable Development Recognition Event on May 8, 2019), and the Environmental Education and Communication Conference (EECOM) at the University of Saskatchewan, Saskatoon (May 10-12; https://eecom.org/eecom-2019/)
Recycled Paper, Quick Facts

1. Pulp and paper generates the third largest amount of industrial air, water, and land emissions in Canada and the sixth largest in the United States.
2. Worldwide, the pulp and paper industry is the fifth largest consumer of energy, accounting for four percent of all the world's energy use. However, the entire paper and printing sector contributes less than 1% to the global greenhouse gas inventory due to the very high use of renewable energy, mostly biomass.[11]
3. In 2015, the industry released 174,000 tonnes of emissions to air, water and land (or 5.3%) out of a total of 3.3 million tonnes of emissions released by all industries in Canada.
4. The pulp and paper industry uses more water to produce a ton of product than any other industry.[5]
5. One ton of paper pollutes 20,000 gallons of water.
6. The United States Environmental Protection Agency has found that recycling causes 35% less water pollution and 74% less air pollution than making virgin paper.
7. Worldwide consumption of paper has risen by 400% in the past 40 years, with 35% of harvested trees being used for paper manufacture. Plantation forests, from where the majority of wood for pulping is obtained, is generally a monoculture and this raises concerns over the ecological effects of the practice.
8. Much of the wood harvested in North America goes into lumber and other non-paper products. In the U.S., 36% of the annual timber harvest is used for paper and paperboard[15] and in Canada 21% comes directly from harvested trees. The rest comes from sawmill residues (55%) and recycled paper (24%).[16]
9. Discarded paper and paperboard make up roughly 26% (or 67 million tons) of the 258 million tons of solid municipal waste generated in 2014 and over 14% of the 136 million tons solid municipal waste that ended up in landfills in 2014.[7] Paper waste, like other wastes, faces the additional hazard of toxic inks, dyes and polymers that could be potentially carcinogenic when incinerated, or commingled with groundwater via traditional burial methods such as modern landfills. Paper recycling mitigates this impact, but not the environmental and economic impact of the energy consumed by manufacturing, transporting and burying and or reprocessing paper products.
10. In 2018, the University consumed 6.8 million sheets of paper in the Print Optimization program (declining at about 3% per year since 2015) and 3.8 million sheets of paper in Printing Services. This is a total of 53 tons of paper, or the equivalent of 1272 trees each about 40 feet tall with a diameter of roughly 6-8 inches if the pulp is made through chemical pulping (half that if through mechanical pulping).
President’s Advisory Committee on Sustainability (PACS)

MEETING SCHEDULE 2019-20

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<th>PACS MEETING DATE</th>
<th>AGENDA CLOSING DATE (to BRYANNA)*</th>
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<tbody>
<tr>
<td>27 September 2019</td>
<td>19 September 2019</td>
<td>AH 527</td>
</tr>
<tr>
<td>29 November 2019</td>
<td>21 November 2019</td>
<td>AH 527</td>
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<tr>
<td>31 January 2020</td>
<td>23 January 2020</td>
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<td>27 March 2020</td>
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Please send agenda items and supporting material to Bryanna.Butz@uregina.ca.