**Wednesday**, November 1 • 15:00 - 16:30

106 – **Riding The Wave – Energy and Environment/ Portés par la vague – Énergie et environnement**

*Panel Organizer: Rabiz Foda, Terre Policy Center, India*

**Takeaways and recommendations:**

**Health care and an aging population**

* In solving energy and environmental issues, health and the aging population should be kept in mind
* Research is needed into how climate change affects the physical and mental health of older adults
* A fully connected home should integrate what people are doing and feeling. Healthcare can be conducted through virtual and augmented reality to connect people in their natural environments with health care providers

**The role of universities**

* To solve the problems of climate change, renewable energy, and smart cities, worldwide collaborations are required
* Universities should help students to develop a civic mission: embodying and enabling global citizenship
* Encourage co-supervision of graduate students across institutions, linking expertise of partnering universities, creating cooperation for mutual benefit

**Smart Campus Cloud Network**

* Learning through environmentally sustainable activities within the campus by using IoT and sharing through cloud dashboards creates positive competition between campuses on carbon footprints and other SDGs related campus initiatives. Campustime app helps in discussion forum on challenges, innovation and start-ups.
* Tangible contribution to UN Sustainable Development Goals by youth
* Develop energy apps like carbon footprint displays, enhance cooperation between students and researchers
* Big data – online data shared, compare daily consumption patterns
* Piloting the Smart cities in the smart campuses and making youth ‘ market-ready’.

**Business innovation**

* “It takes an innovation ecosystem to raise a start-up.”
* Expect commercialization of research to take 5-10 years for disruptive ideas.
* The new innovation ecosystem is in urban areas and smart cities (as important as federal and provincial levels).

Work is needed on the power and efficiency of batteries to make them feasible for use in healthcare monitoring and for wearables.