

# THE FUTURE OF HIGHER EDUCATION



## INTEGRATING THE SDGS IN HIGHER EDUCATION

**Tuesday, 29 Sept. 2020**  
**2:30pm - 4:00pm CEST**  
**(Paris time)**



**Charles Hopkins,**  
UNESCO Chair, Reorienting  
Education towards Sustainability,  
York University



**Shakuntala Laskar**  
Senior Professor  
Assam Don Bosco  
University



**Alexander Leicht**  
Chief of Section, Education  
for Sustainable Development  
UNESCO



# Welcome and Introduction

- Welcome:

*Hillegje van't Land, IAU Secretary General*

- Introduction: Higher Education and Research for Sustainable Development (HESD) and the IAU Global Cluster on HESD

*Isabel Toman, IAU Programme Officer, Sustainable Development*



# IAU Global Cluster on HESD

# IAU Global Cluster on HESD



- Launched in 2018; 16 Universities from all world regions lead SDG 1 – 16; IAU leads SDG 17: Partnerships
- 1 common Goal: to bring Sustainable Development in Higher Education and Research forward and to promote the role of universities for Agenda 2030
- Cluster develops innovative multidisciplinary and international collaboration and a holistic approach to the SDGs
- Two concrete objectives:
  - to serve as a resource and networking hub for
    - universities already engaged in SDGs locally and seeking partnerships
    - universities starting to engage with the SDGs and who turn to the Cluster for collaboration/guidance to translate and advance SDGs in local, national and international contexts
  - to serve as a global voice for higher education and sustainable development

# IAU Global Cluster on HESD - Satellites in Subclusters

<https://www.iau-hesd.net/en/contenu/4648-iau-global-cluster-hesd.html>



1 NO POVERTY

## University of Ghana

Tokyo University of Agriculture and Technology, Japan  
McMaster University, Canada  
UNICAMP, Brazil



2 ZERO HUNGER

## Antonio Nariño University, Colombia



3 GOOD HEALTH AND WELL-BEING

## The Open University of Catalonia

Karolinska Institutet, Sweden  
University College Dublin, Ireland  
Makerere University, Uganda  
Universidad de Caldas, Colombia  
Western Sydney University, Australia  
Gadja Mada University, Indonesia



4 QUALITY EDUCATION

## York University, Canada

Leuphana University of Luneburg, Germany  
Charles University, Czech Republic  
Rhodes University, South Africa  
International Islamic University Malaysia, Malaysia  
University for Peace, Costa Rica



5 GENDER EQUALITY

## University of Bologna, Italy

Assam Don Bosco University, India  
Universitat Oberta de Catalunya  
Universität Vechta, Germany  
MacMaster University, Canada  
Universidade Estadual Paulista, Brazil  
American International University of Bangladesh, Bangladesh  
IOHE Inter-American Organization for Higher Education



6 CLEAN WATER AND SANITATION

## University of Tehran, Iran

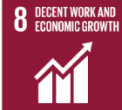
University of Granada, Spain  
University of Barcelona, Spain  
University of Queensland, Australia  
Universidad Antonio Nariño, Colombia  
Bahir Dar University, Ethiopia



7 AFFORDABLE AND CLEAN ENERGY

## Assam Don Bosco University, India

Qatar University, Qatar  
Strathmore University, Kenya



8 DECENT WORK AND ECONOMIC GROWTH

## University of Gothenburg, Sweden

Makerere University, Uganda  
Addis Ababa University, Ethiopia  
University of Nigeria, Nigeria  
University of Dar es Salaam, Tanzania  
University of Nairobi, Kenya  
University of Concepción, Chile  
Universidad de los Andes, Colombia  
University of Economics Ho Chi Minh City, Vietnam



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

## Beirut Arab University, Lebanon



10 REDUCED INEQUALITIES

## University of Tsukuba, Japan

The University of Maribor, Slovenia  
The University of Carthage, Tunisia  
City University of Hong Kong



11 SUSTAINABLE CITIES AND COMMUNITIES

## Siam University, Thailand

J.F. Oberlin University, Japan  
Tokai University, Japan  
University of Surabaya (UBAYA), Indonesia  
Durban University of Technology (DUT), South Africa  
American International University, Bangladesh (AIUB)



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

## Luther College, University of Regina, Canada

Moi University, Kenya  
Vechta University, Germany  
Universidad del Bosque, Colombia  
Pontifical Catholic University of Peru  
Universiti Sains Malaysia, Malaysia  
University of Kelaniya, Sri Lanka



13 CLIMATE ACTION

## The University of the West Indies

SUNY, USA  
University of Bergen, Norway  
TERI School of Advances Studies, India  
University of the South Pacific, Fiji  
University of Waterloo, Canada  
Universidad de los Andes, Colombia  
University of Witwatersrand, South Africa  
University of Aruba, Aruba  
University of Bristol, United Kingdom  
University of Ghana



14 LIFE BELOW WATER

## University of Bergen, Norway

The University of the South Pacific, Fiji  
University of Cape Town, South Africa  
The University of Tokyo, Japan  
Christian-Albrechts-Universität zu Kiel, Germany  
The University of the West Indies, Jamaica



15 LIFE ON LAND

## University of Costa Rica



16 PEACE, JUSTICE AND STRONG INSTITUTIONS

## University of Nairobi, Kenya

University of Copenhagen, Denmark  
James Madison University, USA  
University of Tokyo, Japan

# Alexander Leicht

Chief of Section, Education for Sustainable Development, UNESCO





# “Education for Sustainable Development: Towards achieving the SDGs (ESD for 2030)”

Education for Sustainable Development

#ESDfor2030



UNESCO

Education for Sustainable Development for 2030

Education  
2030 



United Nations  
Educational, Scientific and  
Cultural Organization

# Education for Sustainable Development:

## A Roadmap

#ESDfor2030

Education  
2030



UNESCO

**Societal transformation:**  
Enable the achievement  
of the SDGs towards  
building a more  
sustainable world

**Pedagogy and  
learning environment:**  
Employ interactive, project-  
based, learner-centred pedagogy.  
Transform all aspects of learning  
environment through a whole-  
institution approach to ESD to  
enable learners to live what they  
learn and learn what they live

**Learning outcomes:**  
Empower people to take  
responsibility for present  
and future generations and  
actively contribute to societal  
transformation

**Learning content:**  
Integrate sustainability issues,  
in particular those enshrined  
in the 17 SDGs such as climate  
change, into all kinds of  
learning

*The General Assembly reaffirms education for sustainable development as an integral element of the Sustainable Development Goal on quality education and a key enabler of all the other Sustainable Development Goals.*

*UN General Assembly Resolution 72/222 (2017)*

Education  
2030



*Education for Sustainable Development aims to raise knowledge, awareness and action in order to:*



# The implementation of ESD for 2030

GLOBAL ACTION PROGRAMME  
(2015-2019)

NEW FRAMEWORK  
(2020-2030)

## Priority Action Areas

- 1) Advancing Policy
- 2) Transforming learning environments
- 3) Building capacities of educators
- 4) Mobilizing and empowering youth
- 5) Accelerating sustainable solutions at local level

### ACTIVITIES BY MEMBER STATES

#### **Country initiatives**

- ▶ in the 5 priority action areas
- ▶ build on existing efforts on ESD, create a more inclusive multi-stakeholder initiative
- ▶ aligned with the national SDGs framework
- ▶ education perspective to sustainable development policies and actions (SD)
- ▶ SD perspectives in education

### UNESCO SUPPORT TO MEMBER STATES

- Country Initiatives on ESD
- Inclusive network of stakeholders
- Tracking issues and trends
- Mobilizing resources
- Monitoring & Evaluation

Thank you for your attention

For further information:

[future.esd@unesco.org](mailto:future.esd@unesco.org)

<https://en.unesco.org/themes/education-sustainable-development>

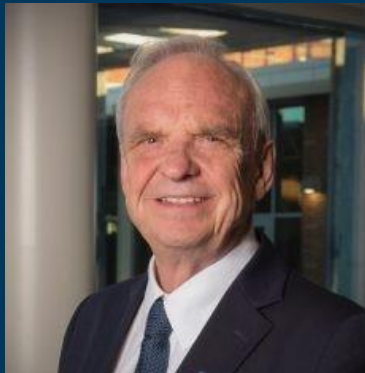
 **SUSTAINABLE DEVELOPMENT GOALS**



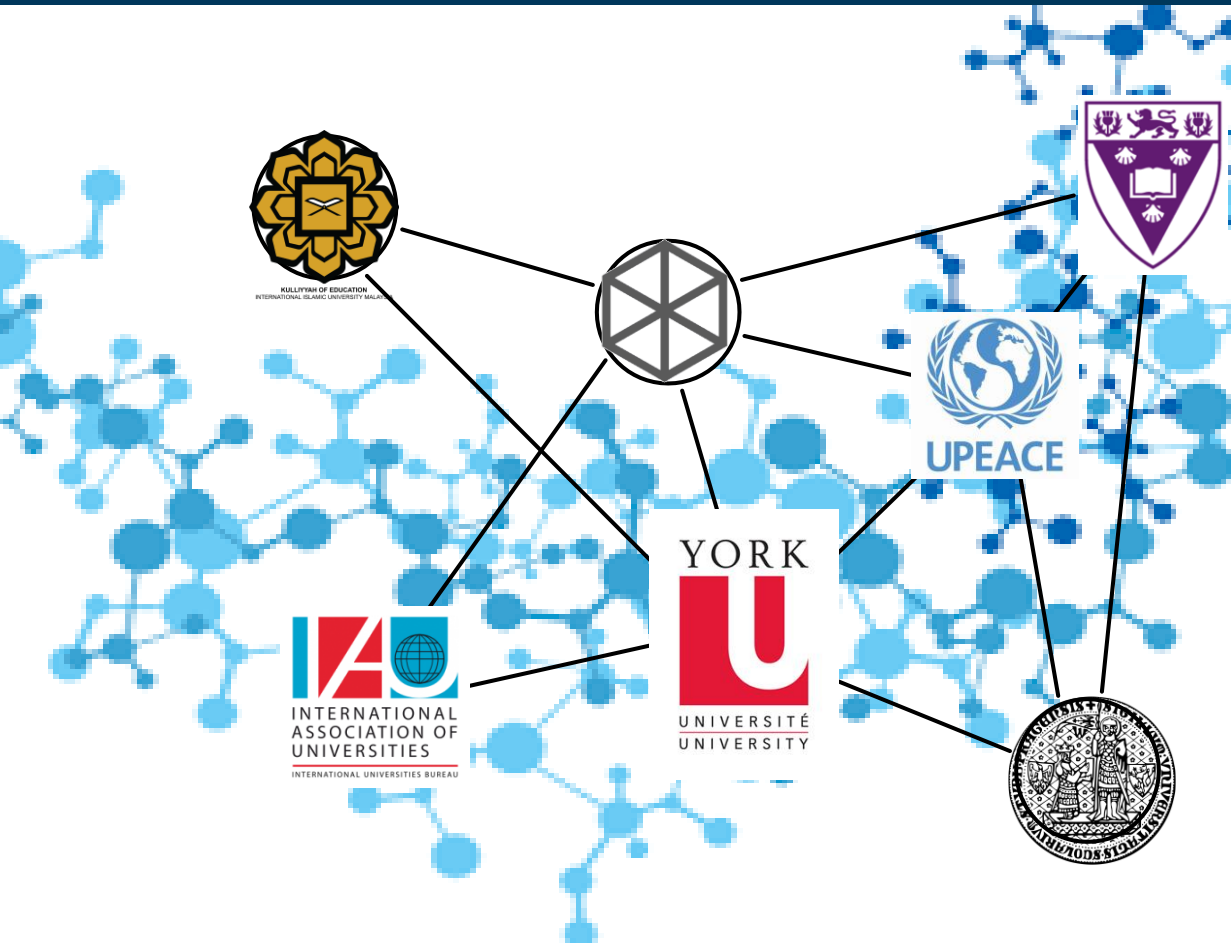
# Charles Hopkins



UNESCO Chair in Reorienting Education towards Sustainability, York University Toronto, Canada (IAU HESD Cluster SDG 4)



# IAU Global Higher Education Cluster to address the 2030 Agenda

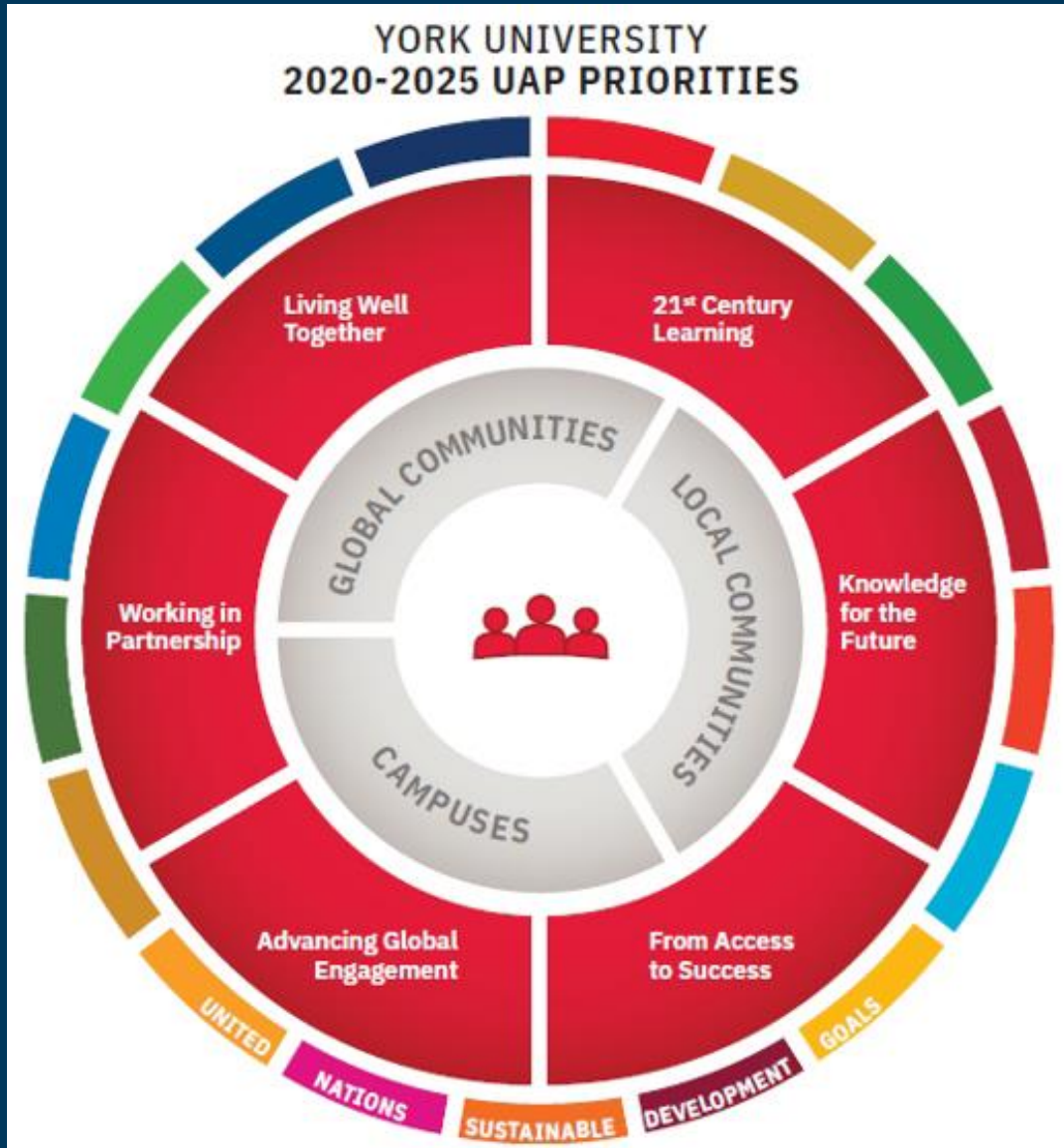


## IAU Subcluster on SDG 4

Focusing on ESD at the core of a quality education and a whole-institution approach towards sustainability:

- Creating executive material on the history of the whole-institution approach, adding best practice experience and proven benefit
- Advising universities and colleges on change strategies in embedding ESD
- Addressing sustainability in student and faculty mobility in higher education
- Enhancing existing network activities of members

# York University's example of a university-wide approach towards the SDGs



## York University's Academic Plan 2020-2025

- Blueprint for action with 6 priority areas to elevate York University's action to contribute to the UN SDGs
- Addressing a whole-institution approach towards sustainability
- Building on a comprehensive Sustainability Strategy (2017)
- To come: revised Internationalization and Global Outreach Strategy with SDGs as an anchor



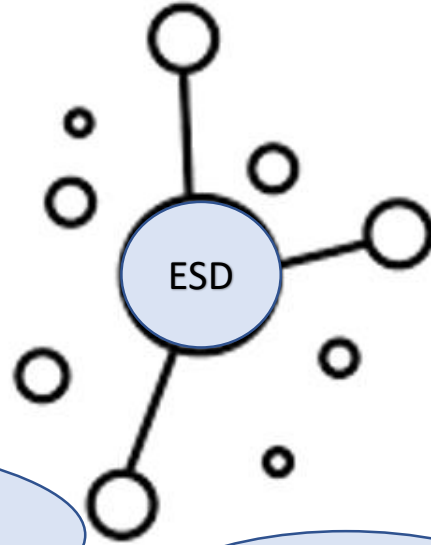
# UNESCO/UNITWIN Chairs Programme



United Nations  
Educational, Scientific and  
Cultural Organization



• UNESCO Chair in Reorienting  
• Education towards Sustainability,  
• York University  
•



International Network  
of Teacher Education  
Institutions (INTEI)

#IndigenousESD  
network

- Established in 1992 with 700 institutions in 116 countries today
- Promotes North-South, South-South and North-South-South cooperation and networking towards the SDGs
- Chairs = think tanks and bridge-builders between the academic world, civil society, local communities, research and policy-making
- Collaborate to address pressing challenges and contribute to the development of their societies
- Enhancing the capacities of higher education as a community



# Shakuntala Laskar



Senior Professor, Assam Don Bosco University, India (IAU HESD Cluster  
SDG 7)

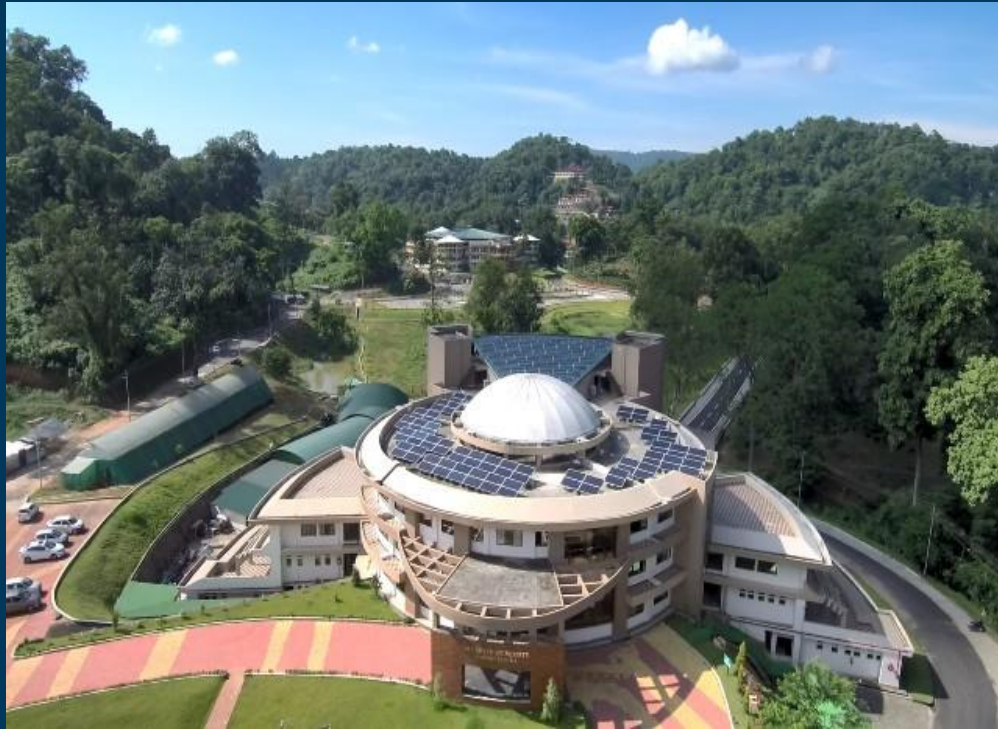






# Eco-Friendly Campus

(SDG 13 & 15)



1. Land utilization



2. Energy conservation



3. Water management



4. Waste management



5. Air quality improvement



timeshighereducation.com/rankings/impact/2020/life-land#survey-answer

THE WORLD UNIVERSITY RANKINGS

PROFESSIONAL JOBS EVENTS RANKINGS STUDENT SERVICES

Home > Impact Rankings 2020 > Impact Rankings 2020: life on land

## Impact Rankings 2020: life on land

The *Times Higher Education* Impact Rankings are the only global performance tables that assess universities against the United Nations' Sustainable Development Goals (SDGs). We use carefully calibrated indicators to provide comprehensive and balanced comparisons across three broad areas: research, outreach and stewardship.

This table on SDG 15 – **life on land** measures universities' research on life on land and their education on and support for land ecosystems.

The list includes 268 universities from 55 countries.

45	Chulalongkorn University Thailand	72.6	75.4–83.3
46	Don Bosco University India	71.7	46.7–61.4
47	University of Pavia Italy	71.4	68.2–75.3
48	University of Brawijaya	71.2	68.2–



# Green Energy Initiatives

(SDG 7 & 13)



- Grid-connected rooftop solar photo-voltaic power projects (2X160 kWp projects in 2 campuses at Azara and Tapesia)
- Micro-Hydel Power Project (Plan for a Micro Hydel Plant of 10 kW generation is under way)
- Energy Conservation measures (Passive architectural design, use of LED lamps, Periodical Energy Audit)



Passive Architectural Design  
of the buildings



Site for Micro-Hydel Power



Site for Solar Power



# Energy Sustainability (SDG 7)

Research for energy efficiency

- Solar Cells
- DC Microgrid
- Micro Wind Turbines
- Solar Powered Systems
- Power Optimization
- Generation Scheduling



Webinar by Prof. Izael Da Silva from Strathmore University, Kenya (10 May 2019)



Conference on New and Renewable Energy (6-7 October 2017)

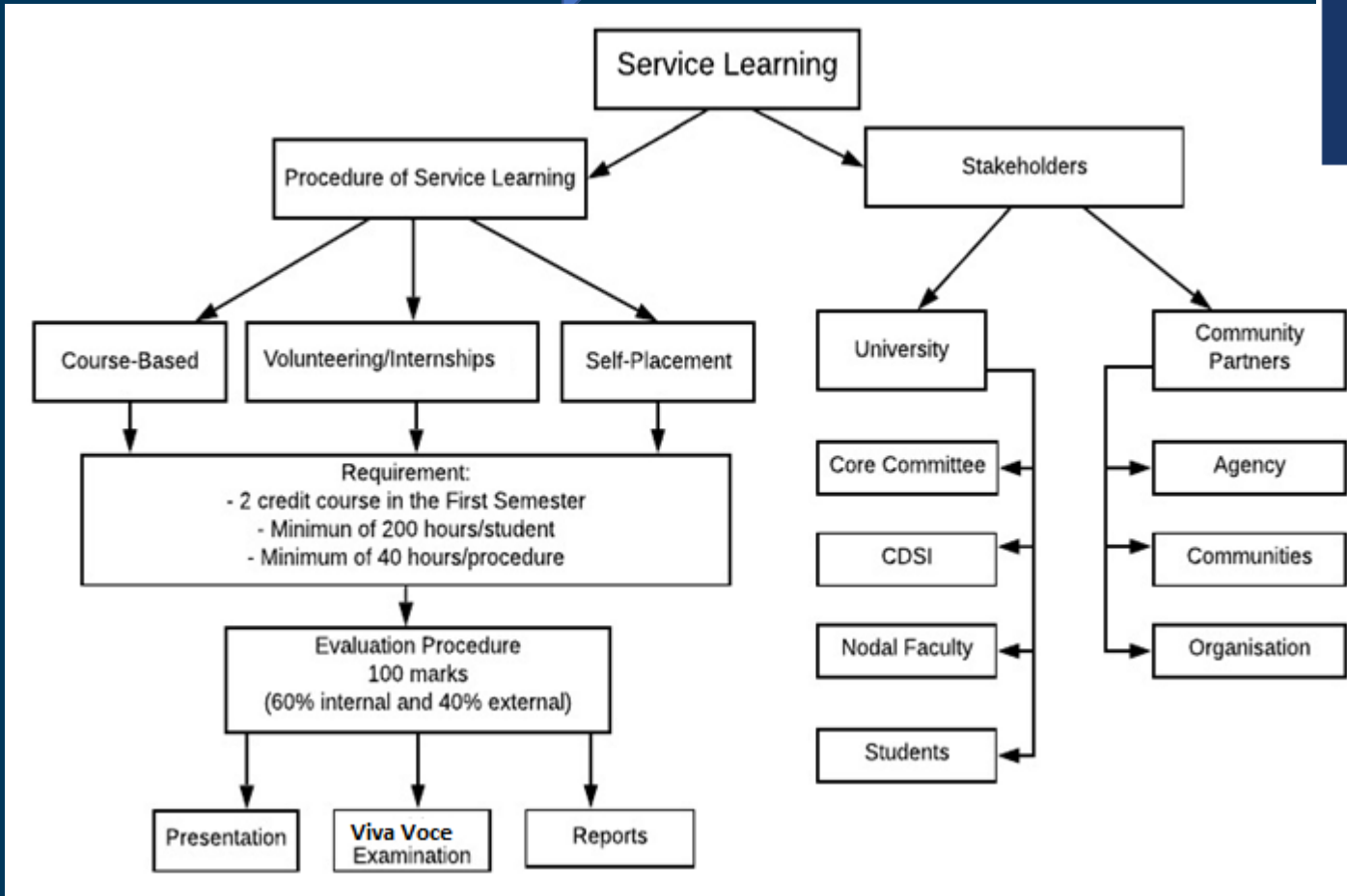


Webinar by Debanjan Borthakur from McMaster University, Canada (12 June 2020)



# Service Learning

17 PARTNERSHIPS FOR THE GOALS





# Clean Water and Sanitation (SDG-6)



Clean Water and Sanitation



## *Discussion*

How can HE contribute to integrate (E)SD strategies in national policies?

How to better equip universities with more theoretical and practical tools to transform teaching, research, and institutional mindset for a more sustainable future?

*Thank you for joining us!*

*Make sure you follow IAU and the speakers:*



@IAU\_HESD  
@iau\_aiu  
@VantlandH






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<https://www.iau-hesd.net/>

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**Assam Don Bosco University**


<https://www.dbuniversity.ac.in/>

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 @unesco.chair  
 @hopkinschuck

**UNESCO / ESD for 2030**

<https://en.unesco.org/themes/education-sustainable-development>  
[www.sdg4education2030.org](http://www.sdg4education2030.org)

 @UNESCO @Education2030UN  
#ActingTogether4Education #LearningNeverStops  
#Education2030

[future.esd@unesco.org](mailto:future.esd@unesco.org)

## Further links and Information

- **The International Association of Universities (IAU):** <https://iau-aiu.net/> ; <https://www.iau-hesd.net/>
- **IAU HESD CLUSTER:** <https://www.iau-hesd.net/en/contenu/4648-iau-global-cluster-hesd.html>
- **IAU 2nd Global Survey Report on Higher Education and Research for Sustainable Development:**  
[https://www.iau-aiu.net/IMG/pdf/iau\\_hesd\\_survey\\_report\\_final\\_jan2020.pdf](https://www.iau-aiu.net/IMG/pdf/iau_hesd_survey_report_final_jan2020.pdf)
- **IAU Publication on SDG 13 Climate Action:**  
[https://iau-aiu.net/IMG/pdf/sdg\\_13\\_climate\\_action\\_compressed-2.pdf](https://iau-aiu.net/IMG/pdf/sdg_13_climate_action_compressed-2.pdf)
- **Bibliography on Higher Education and Research for Sustainable Development 2010 – 2020:**  
[https://www.iau-hesd.net/sites/default/files/bibliography\\_sustainable\\_development\\_01\\_2020.pdf](https://www.iau-hesd.net/sites/default/files/bibliography_sustainable_development_01_2020.pdf)
- **UNODC Podcast *Voices of Academia* with IAU on SDGs:**  
<https://www.unodc.org/e4i/en/tertiary/global-podcast-series/episode-1.html>
- **IAU & BBC Storyworks short films:** <https://www.iau-aiminghigher.org/>
- **UNESCO / ESD for 2030 :** <https://en.unesco.org/themes/education-sustainable-development> ; [www.sdg4education2030.org](http://www.sdg4education2030.org)
- **UN SDSN *Getting started with the SDGs at Universities* Guide:**  
[http://ap-unsdsn.org/wp-content/uploads/University-SDG-Guide\\_web.pdf](http://ap-unsdsn.org/wp-content/uploads/University-SDG-Guide_web.pdf)



# THE FUTURE OF HIGHER EDUCATION



Register here:

<https://iau-aiu.net/IAU-Webinar-Series-on-the-Future-of-Higher-Education-929>



## UPCOMING WEBINARS

Tuesdays, 2:30- 4:00 pm CEST (Paris time)

**6 October 2020** Exceptionally 4:00-5:30 pm CEST

**LEADING UNIVERSITIES IN AN AGE OF UNCERTAINTY**

**13 October 2020**

**The UNESCO GLOBAL CONVENTION ON THE RECOGNITION OF HIGHER EDUCATION QUALIFICATIONS:  
TOWARDS A GLOBAL & MOBILE KNOWLEDGE ECONOMY?**

**20 October 2020**

**DIGITAL DIMENSION: INNOVATION IN TEACHING AND LEARNING: THE FUTURE IS NOW**

**27 October 2020**

**HIGHER EDUCATION UNDER EXAMINATION: ARE WE READY TO TRAIN THE FUTURE HEALTHCARE WORKFORCE?  
*PERSPECTIVES FROM THE IAU SDG 3 SUBCLUSTER***