



Higher  
Education  
Sustainability  
Initiative

**HESI+10**

Celebrating 10 years  
with Higher Education  
Sustainability Impact

**HESI+10  
GLOBAL FORUM**

6 July 2022

WEBINAR 3

# **Inspirational higher education initiatives for SDG 4, 5, 14, 15 and 17**

21 June 2022, 09.00 – 10.30 AM (EDT)



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# Agenda

**9:00–9:10**

**Opening**

**9:10–10:20**

**Showcasing inspirational higher education initiatives**

**10:20–10:30**

**Outline of HESI+10 Communique and preparations  
for HESI+10 Global Forum**



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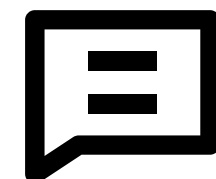
# Participation Guide

**This event will be recorded. The recording will be shared on the event's website.**

**Links to presentation and relevant information will be shared afterwards with all registered participants.**

**Twitter @SustDev**

**Questions/Comments? – Please, use the chat boxes.**





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# Showcasing inspirational higher education initiatives

**Ratings, Rankings and Assessments:** Kathleen Ng (McGill/HEASC)

**SDG Publishers Compact Fellows and related initiatives:** Rachel Martin (Elsevier), Lucas Toutloff (Cabells), Dr. Jo Wixon (Wiley), Chirag (Jay) Patel (Cactus Global), Nikita Lad (George Mason University)

**Sulitest:** Aurélien Decamps (Sulitest)

**Education for Green Jobs:** Dr. Debra Rowe (US Partnership for ESD) Dana Compton (ASCE)

**International Associations of Universities:** Isabel Toman (IAU)

**SDG Academy:** Prof. Paul Patrick Walsh (UN SDSN)

**Jonkoping University:** Dr. Guenola Abord-Nugon Nonet (Jonkoping University)

**Green Gown Awards:** Helen Exton

# RATINGS, RANKINGS AND ASSESSMENTS



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## Context

The UN Higher Education Sustainability Initiative (HESI) has recognized that the current ranking process that currently exists by a range of partners is measuring University outputs that are not fully aligned to meeting the sustainable development goals.

To try and address this, a group of leading thinkers, experts and practitioners supported by UN Environment devised a set of guidelines on higher education institution rankings, ratings and assessments (RRAs) that were shared with HESI partners for their feedback over 2019-2021.

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Assessments of  
Higher Education's  
progress towards  
the UN Sustainable  
Development Goals

Assessments of Higher  
Education's progress  
towards the UN  
Sustainable  
Development Goals

Assessments of Higher  
Education's progress  
towards the UN  
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## NOT JUST A DOCUMENT ON THE SHELF

Once these were launched, international Rating, Ranking and Assessment organizations (RRAOs) were invited to commit to implementing the guidelines.

Those who did – a cohort of ten RRAO leaders - were convened by HESI in a Global Leaders' Roundtable to see how these recommendations could be applicable with the aim of potentially having a more consistent set of guidelines in place by 2025, and in doing so form an international community of practice.



**GLOBAL HEI  
ASSESSMENTS LEADERS'  
ROUNDTABLE**

1. The Association for the Advancement of Higher Education;
2. Corporate Knights;
3. The Financial Times;
4. Round University Ranking;
5. Times Higher Education; and
6. UBI Global.

Since then, other organizations have committed to these guidelines, including

7. Elsevier,
8. Quacquarelli Symonds (QS),
9. Positive Impact Ranking, and
10. Cabells.

## THE WORK HAS JUST BEGUN.

The Roundtable was conceived as a **safe space for open, transparent collaboration amongst peers**, with the support of HESI partners.

It has made progress in the short time since its launch in October 2021, with the group looking at alignment with the Guidelines as well as other potential leverage points that could be leveraged for systems change.

1. Self-assessment survey – HESI review
  2. Knowledge exchange
  3. SDG13
  4. Engagement of additional stakeholders
  5. Accreditation
  6. Outcomes
- Etc.



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# HESI SDG Publishers Compact Fellows

## Current Initiatives



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- The Publishers SDG Compact and Fellows - Rachel Martin (Elsevier)
- Fellows website and overview of recommended action tips - Lucas Toutloff (Cabells)
- Connecting research and practice - Jo Wixon (Wiley)
- SDG taxonomies, Solutions Summit and follow-ups - Chirag Patel (Cactus Global)
- Academic societies and textbooks - Nikita Lad (George Mason University)





# Where it all started



## Inspiring action

- Publishers have a unique contribution to make towards accelerating progress towards the Global Goals
- Launched jointly by the International Publishers Association and the UN Publications Team
- Over 200 Publishers signed up to the SDG Publishers Compact since Oct 2020



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# What does it cover?



# A good first start...but we can do more

## HESI SDG Publishers Compact Fellows:

- Integration of SDG Educational Materials
- Connecting Academic Researchers and Practitioners
- Impact and Reach group
- Changing culture





# Fellows website and Action Tips



## Download the Tip Sheets

### Academic publishers, editors & reviewers

The peer review process is a critical component of the scholarly publishing process. It ensures that research is of high quality and that the best work is published. This tip sheet provides guidance on how to manage the peer review process effectively.

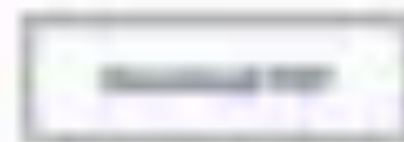
Download the tip sheet here



### Academic researchers & students

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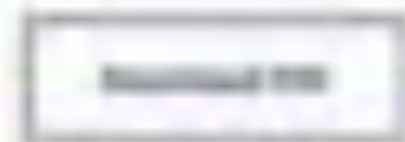
Download the tip sheet here



### Academic authors

Academic authors play a crucial role in the scholarly publishing process. This tip sheet provides guidance on how to manage the peer review process effectively.

Download the tip sheet here



### Academic libraries

Academic libraries play a crucial role in the scholarly publishing process. This tip sheet provides guidance on how to manage the peer review process effectively.

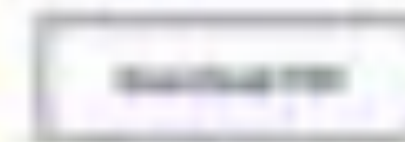
Download the tip sheet here



### Emerging researchers & practitioners

Emerging researchers and practitioners play a crucial role in the scholarly publishing process. This tip sheet provides guidance on how to manage the peer review process effectively.

Download the tip sheet here



# Connecting research and practice

## Connecting professionals with research

- Getting the answers they need
- Making informed decisions
- Enacting change and best practice

## Connecting professionals with researchers

- Sharing the questions that need to be answered by research
- Collaborating on research
- Joining journal editorial boards



## How publishers, societies and editors can:

- help authors share practical implications and applications of their research
- build connections between researchers and practitioners/professionals to inform and collaborate on research
- publish more SDG-relevant work

## Advising and compiling best practice on:

- sharing practical implications with professionals (specialists):
  - implications bullet points
- sharing policy implications and findings of use to the public (non-specialists):
  - policy/practical bullet points
  - plain language summaries



# SDG-Aligned Taxonomies

The Reach and Impact working group, part of the [SDG Publishers Compact Fellows program](#) believe that the proliferation of taxonomies related to the Sustainable Development Goals poses a challenge to all stakeholders.

We are exploring this further, including an audit of current SDG taxonomies/keyword tools and what demand (if any) there is for a single version of truth. While one single taxonomy might be an ideal outcome, key considerations include:

- How would a single taxonomy be created, hosted and maintained?
- Would all stakeholders be willing to use this? What would incentivise them?
- What work is already happening in this space? Many stakeholder groups will already have their own initiatives in development/launched. Is there scope to draw best practice from these?
- How could SDG-aligned research then be badged?

We will be conducting a brief survey of editors who work with the publishers who are already members of the [SDG Publishers Compact](#). After this we will send survey to editors at other publishers.





# The Future of SDG-focused academic publishing - Solutions Summit

The HESI SDG Fellows group will host a convening of representatives from academia, industry, policy, and publishing.

Key audiences:

- Researchers
- Practitioners
- Publishers
- Editors
- Librarians

Format: Virtual event since it is more cost efficient, quicker to arrange, and can facilitate diverse representation. This will be an initial workshop/roundtable to gather ideas and generate proposals.

Include a crowdsourcing challenge or hackathon style event

Outcome: Best practice, creation of an academia-industry coalition focused on one or more SDGs, new links and relationships, content / product development ideas.

Discussion topics could include:

Understanding how research is used in industrial / practical contexts and barriers to that use

Are there gaps in research that need to be filled?

Is the latest research communicated in a way which is comprehensible, usable, and actionable by industry and other practitioners?

Why is it important to do this?



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Co-hosted by HESI SDG Fellows group and Cactus Global.

Key audiences: Publishers, editors, researchers, academics, select practitioners

Speakers can include (not limited to) members of HESI SDG Fellows and representatives from SDG Publishers Compact members.

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These webinars can explore the solutions that emerge from the solutions summit.

Along with the output from the solutions summit these webinars can highlight:

- Best practices in integrating SDGs within education and publishing
- SDG projects from IPA SDG Dashboard
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- Reach and Impact of SDGs



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# Academic societies and Textbooks

## Major goals:

- Ensuring the SDGs are addressed in the educational materials
- Providing resources to facilitate the incorporation of SDGs in academic societies and textbooks





# Academic societies and Textbooks

One major resource developed by our group →

[SDG Rubric](#)



**SDG Rubric**

## for Improving Textbooks and Related Materials

We developed the SDG Rubric (SDGR) as a tool to evaluate textbooks and related educational materials for their coverage of the UN SDGs. The rubric gives you the ability to identify specific areas that can be more inclusive of, and better aligned with, SDGs from the beginning of the revision process to its final destination in the hands of learners.

[Download the SDG Rubric](#)



# Academic societies and Textbooks

Another supporting resource is →

[SDG Rubric Top Action Tips](#)



**Not only for textbooks**

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## Coming soon... A convening for textbook publishers!

Thursday, the 23rd of June at 4:00 pm CET, 10:00 am ET:

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Brought to you with funding from the **US Department of Energy** through the **Pacific Northwest National Laboratory**, this *international convening* will focus on access to experts and free materials compiled from many quality sources and available to publishers/editors/authors



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# Mainstreaming Sustainability Literacy

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# WHY WE STARTED

How can we ensure that current and future decision-makers are sufficiently aware and skilled to address sustainable development challenges in their daily lives and careers?



# ABOUT SULITEST

Our mission is to improve Sustainability Literacy worldwide by providing internationally recognized engagement tools for universities and companies



# ENABLING EDUCATORS

Developing agents of change



## Knowledge Standard

ASSESS



MOVE TO ACTION



- Critical Thinking and the value of questioning yourself, existing knowledge and practices. When facing complex issues: “ask the right questions rather than looking for the simple / unique solution”
- Active Learning: learners as actors of change. Collective intelligence to produce and transfer new knowledge.
- Engage learners and trainers in co-creating knowledge to improve understanding of the SDGs while transforming pedagogical posture.
- System Thinking: dealing with complexity and multidisciplinary / moving beyond your area of expertise.

**THANK YOU**

Contact us at [contact@sulitest.org](mailto:contact@sulitest.org)

Let's grab a virtual coffee together: [bit.ly/sulitestcoffee](https://bit.ly/sulitestcoffee)

Sign up at [www.sulitest.org](http://www.sulitest.org)

BUILDING A  
SUSTAINABLE

**FUTURE**

TOGETHER





## Education for Green Jobs

### Workforce Readiness for the Green Economy

Debra Rowe



# Green Jobs: Workforce Readiness for the Clean Energy Transition

## Collaborators:



US Partnership for ESD



Green Learning Network



SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK  
A GLOBAL INITIATIVE FOR THE UNITED NATIONS



**HESI** HIGHER EDUCATION SUSTAINABILITY INITIATIVE

SDG Publishers Compact Fellows



## Contributions from the following groups:

IREC

EAUC

IAU

ILO

IRENA

NYEC

SDSN

UNEP

UNESCO

UNIDO

UNITAR

UPF

World Bank

The green economy employers are very busy!  
They are implementing climate solutions.

- **Core Challenge:** There are thousands of technical institutions and universities in tertiary education.
  - Green economy companies and nonprofits don't have the time to tell each institution, or each country ministry, what they need in curricula, skills and job placement processes.
  - Many employers don't have adequate connections and resources to recruit people into the field
- **Core Solution:** HESI's and UNEP-YEA's Green Jobs initiative is designed to work with all interested people to help employers meet workforce needs more effectively.

# Outcomes for the green economy

Improved:

1. Curricular upgrades and employee skills
2. Career Guidance
3. Student/Employee recruitment & job placements
4. More useful research - aligned to climate and other SDGs

# Components of the initiative. What we are doing:

1. **Convened technical vocational and university educators.**  
(With the International Association of Universities) Feb '22
2. **Convened employers (With REN21) Feb '22**
3. **IRENA complementary survey on skills gap Spring '22**

# Timeline of activities internationally:

## 4. Green Jobs Initiative Solutions Summits

- a. **June '22** - Recruiting Students and Streamlining Job Placement
  - Energy and Climate Heroes campaigns
  - Solving barriers to entry and employment
  - Creating an inclusive workforce and improving retention
  
- a. **September '22** - Research alignment
  
- b. **October '22** - Curricular Updates
  
- c. **Ongoing** - Virtual Community - sign up to be invited to the Solutions Summits and included in the virtual community

A gift to all of us for our ongoing efforts.  
From multiple UN agencies -

## Green Learning Network





## The Power Of What You Do

We can choose a sustainable future

Sign up for the virtual community and the Green Learning Network

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For more information:

[DebraRowe@aya.yale.edu](mailto:DebraRowe@aya.yale.edu)

US Partnership for ESD

UNEP-YEA

HESI



# Making STEMM Programs Accessible and Inclusive for Girls, Women, and Minorities

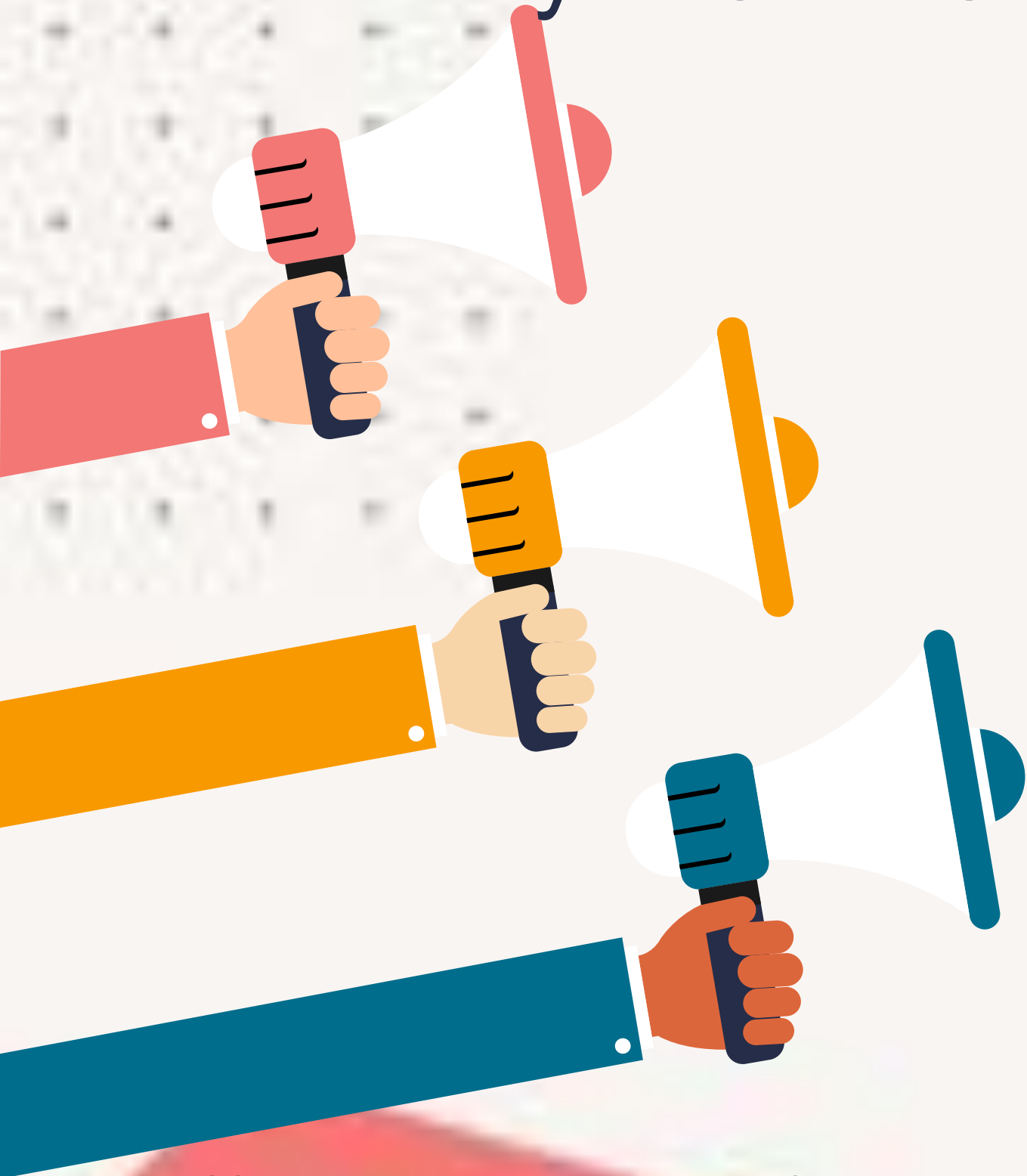
Dana Compton  
Managing Director & Publisher  
American Society of Civil Engineers



21 June 2022



# Why Are Diversity and Representation Important in Civil Engineering?



Civil engineers **solve problems for society**

For civil engineering solutions to serve society well, they need to include **perspectives that are representative of a society's rich diversity**

That requires **engaging people from more diverse backgrounds** in the profession and ensuring they **solve problems with, not just for, the communities they serve**

ASCE DEI Best Practices Resources Guide:

<https://www.asce.org/-/media/asce-images-and-files/diversity-equity-and-inclusion/documents/dei-front-matter-best-practices-resource-guide.pdf>

Pearson & Simmons, "Diversity and Inclusion in Civil and Environmental Engineering", <https://ascelibrary.org/doi/10.1061/%28ASCE%29EI.1943-5541.0000389>  
[https://ascelibrary.org/page/jpepe3/diversity\\_inclusion\\_civil\\_engineering](https://ascelibrary.org/page/jpepe3/diversity_inclusion_civil_engineering)



**GLOBAL challenges require  
GLOBAL solutions**

# The 50K Coalition

93,000

engineering bachelor's degrees awarded annually in the US

30,000

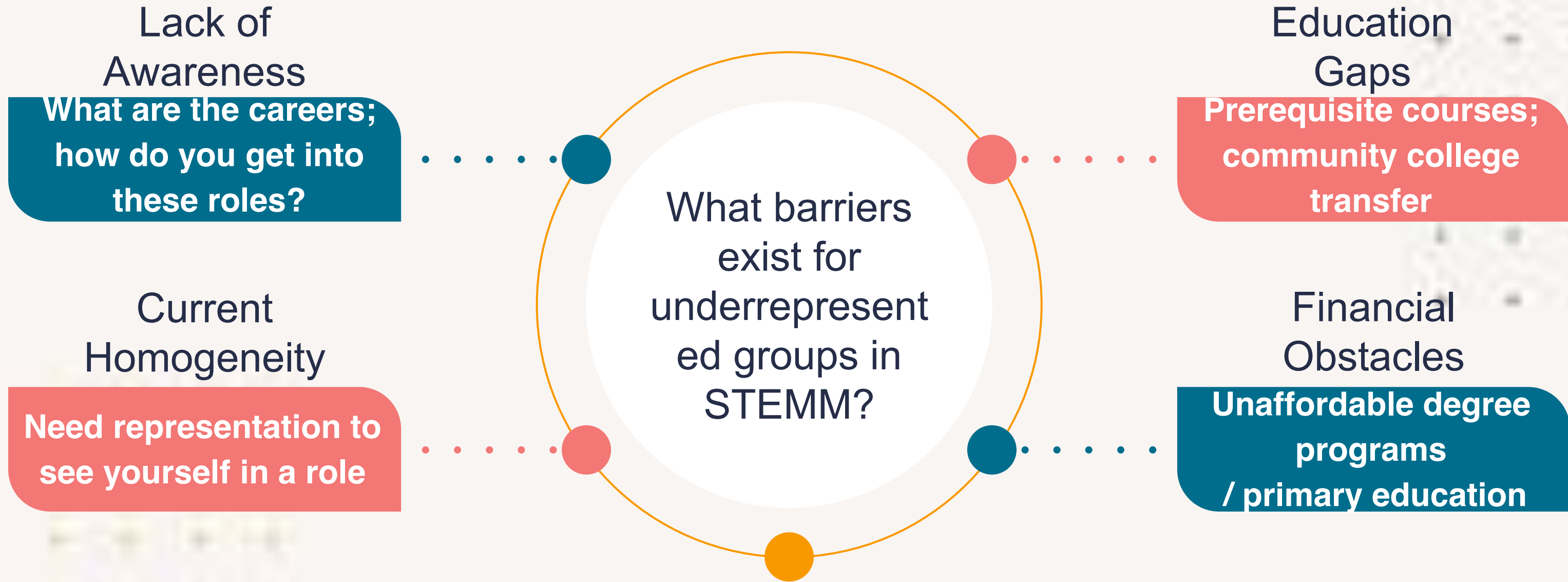
graduates are from minority populations or are women

50,000

50K Coalition's goal



# Challenges



Middle → High → College Path

Lack of external support; maybe first in family

# Building STEMM Awareness

## Hands-on activities for home or school

- Everyday Engineering / STEM@Home
- Chat with a Civil Engineer



## Outreach champions

- Conversations with Civil Engineers
  - Invite a Civil Engineer to your classroom

## STEMM clubs

- Civil Engineering Club
- ASCE member sponsor, faculty advisor

ASCE Everyday Engineering: STEM@Home

<https://www.asce.org/career-growth/pre-college-outreach/everyday-engineering>

# Spotlighting Underrepresented Groups



ASCE's New Faces of Civil Engineering annually recognizes 10 students and 10 young professionals.

One of the goals of the program is to recognize and showcase the accomplishments of female and URM engineers.

The professionals are recognized at our annual OPAL gala, and each of the student honorees are awarded a scholarship.

They are also featured in *The Civil Engineering Source* and during Engineer's Week.

# Addressing Educational and Financial Barriers



## Common metrics

50K Coalition Dashboard & Scorecard tracks metrics such as HS Senior AP Calculus completion, community college transfers, freshman retention, etc.

## Common agenda

Raise awareness early in the education pipeline; build community college linkages; improve higher ed climate and culture for URM students

## Funding/financial support

Lower the financial barriers to entry and completion; develop funding strategies to sustain and scale



# Providing Support

## Formal mentorship

Guidance on requirements through the middle → high → college journey

Connection to scholarship and loan opportunities



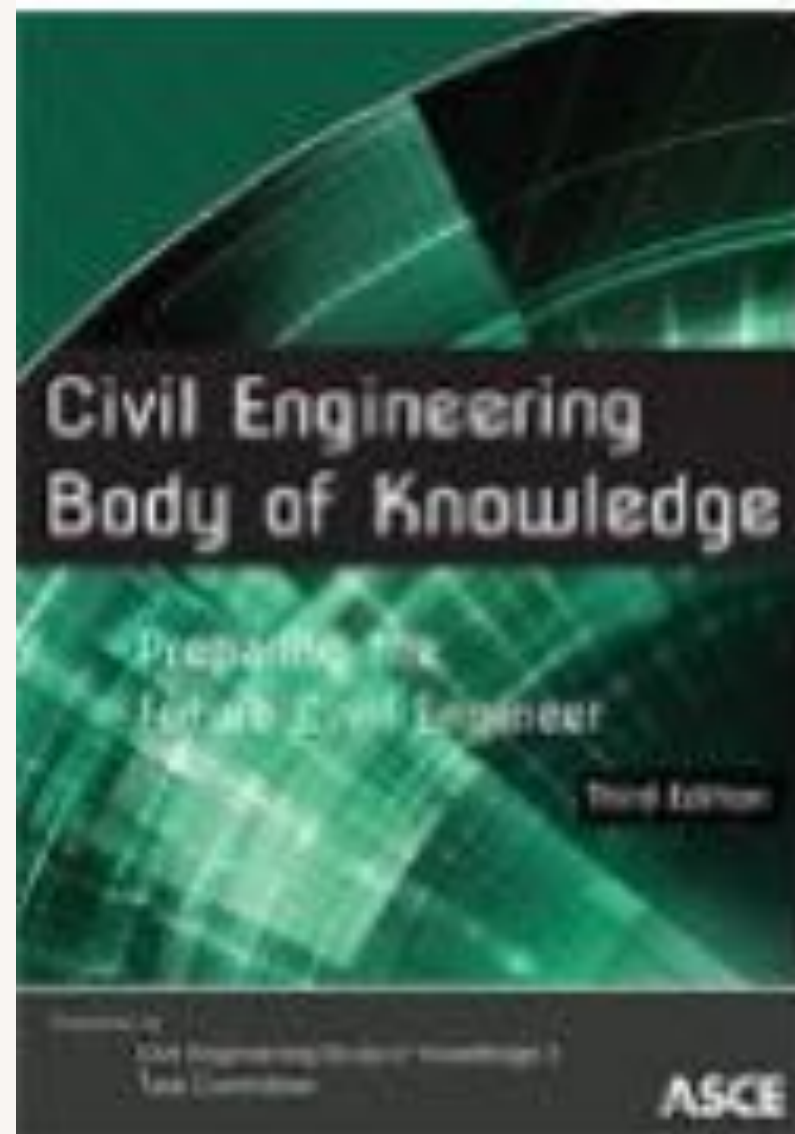
## Peer-to-peer

Student chapters

**ASCE's online Mentor Match program connects students and young members with industry professionals**

<https://collaborate.asce.org/mentoring/home>

# Preparing the Future Civil Engineer



<https://ascelibrary.org/doi/book/10.1061/9780784415221>



<https://www.futureworldvision.org/>

# ASCE Resources

## Diversity, Equity, and Inclusion

- DEI Best Practices Resource Guide
- DEI Best Practices in Engineering Video Series
- <https://www.asce.org/diversity-equity-and-inclusion/best-practices-resources-guide/>

## Global programs

- <https://www.asce.org/communities/find-a-group/regions/region-10>



## Pre-College Outreach

- <https://www.asce.org/career-growth/pre-college-outreach>

## Mentor Match

- <https://collaborate.asce.org/mentoring/home>

## Awards, Scholarships, Fellowships

- New Faces of Civil Engineering: <https://www.asce.org/career-growth/new-faces-of-civil-engineering>
- Scholarships: <https://www.asce.org/career-growth/awards-and-honors/scholarships>
- Fellowships: <https://www.asce.org/career-growth/awards-and-honors/fellowships>

# Thank You

Do you have any questions?

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# *IAU HESD (Higher Education and Research for Sustainable Development)*

HESI Webinar #3: *Inspirational higher education initiatives for SDG  
4, 5, 14, 15 and 17*

21<sup>st</sup> June 2022

**Isabel Toman**, *Programme Officer, Sustainable Development*  
International Association of Universities (IAU)



# IAU - the Global Voice of Higher Education

Global NGO created by UNESCO in 1950

+ 600 Members in + 120 countries around the world

Global forum for networking among peers

World Higher Education Database WHED.net



Leadership



Internationalization



Sustainable Development/  
HESD



Digital Transformation



# Higher Education and Research for Sustainable development


*Integrating sustainable development fully into higher education strategies*

## Objectives

- ✓ Encourage peer-to-peer learning
- ✓ Monitor trends, develop and share expertise on the Sustainable Development Goals (SDGs)
- ✓ Foster whole institution approaches at the leadership level to integrate SD priorities
- ✓ Provide leadership training, capacity building and networking services

## Activities

**Mapping HESD Initiatives**  
IAU HESD Global Portal gathers successful initiatives from IAU members




[www.iau-hesd.net](http://www.iau-hesd.net)

**Conducting Research**  
IAU HESD Global survey, publication series on SDGs, articles and more



**Capacity building & Evaluation**  
Multi-stakeholder partnerships; Projects; and monitoring of developments related to sustainable development and higher education



**Developing & Sharing Knowledge**  
**IAU HESD Cluster** enhances development & sharing of expertise on SDGs.

Global events

Advocacy





IAU Global Cluster on HESD



## IAU Global Cluster on HESD (2018-2030)

- Launched in 2018
- **16 Universities** from all world regions lead SDG 1 – 16
- 2-8 **Satellite universities** per subcluster (80 HEIs)
- **IAU** leads SDG 17: **Partnerships**
  - IAU Member Organisations can join SDG 17
- **1 common Goal:** to bring Sustainable Development in Higher Education and Research forward
- List of Cluster Members and Satellites:
- <https://www.iau-hesd.net/contenu/4648-iau-global-cluster-hesd.html>



## Some examples of good practice from the IAU HESD Portal

- SDG 14: Life below water: <http://iau-hesd.net/universities/1062-university-bergen.html>
- Liege?
- HTW Sustainability Certificate
- Gender/health collaboration & recent event



# List of Resources/Tools

- **Specialized Portal** for SD-related Actions, News, Events and documents:  
IAU HESD Portal [www.iau-hesd.net](http://www.iau-hesd.net)
- > Examples of best practice - search the portal!
- IAU Publications: <https://www.iau-aiu.net/HESD>
- [IAU Horizons on Leadership for a Sustainable Future](#)
- [IAU Global Cluster on HESD Activity Report 2020-2021 here \(pdf\)](#).
- Outcome documents from the IAU HESD Cluster Meeting (March 2022): The [statement on the Joint vision from the IAU Higher Education for Sustainable Development \(HESD\) Cluster members and Strategy and Working Plan 2022-2024](#)
- [SDG Impact Assessment Tool](#) and [workshops on 29&30 June](#)
- [Previous and upcoming webinars](#)
- [Global Guidance Document on Education on Green Jobs](#)
- [SDSN Guide for getting started with SDGs at Universities](#)



Let's meet in Dublin!  
[www.IAUDublin2022.net](http://www.IAUDublin2022.net)

Relevance and Value of Universities to Future Society



@iau\_aiu  
@IAU\_HESD



<https://www.linkedin.com/company/iau-aiu>



[i.toman@iau-aiu.net](mailto:i.toman@iau-aiu.net)

**Thank you!**





Higher  
Education  
Sustainability  
Initiative

**HESI+10**  
Celebrating 10 years  
with Higher Education  
Sustainability Impact

**HESI+10**  
**GLOBAL FORUM**  
6 July 2022

# Showcasing inspirational higher education initiatives

**Ratings, Rankings and Assessments:** Kathleen Ng (McGill/HEASC)

**SDG Publishers Compact Fellows and related initiatives:** Rachel Martin (Elsevier), Lucas Toutloff (Cabells), Dr. Jo Wixon (Wiley), Chirag (Jay) Patel (Cactus Global), Nikita Lad (George Mason University)

**Sulitest:** Aurélien Decamps (Sulitest)

**Education for Green Jobs:** Dr. Debra Rowe (US Partnership for ESD), Dana Compton (ASCE)

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Ensure inclusive  
and equitable  
quality education  
and promote  
lifelong learning  
opportunities for all.

UN SUSTAINABLE GOALS

UN TRANSFORMING  
EDUCATION SUMMIT  
SEPTEMBER 2022



## JIBS Responsibility in Action & Program Directors Support



Shaping generations of responsible managers,  
leaders, entrepreneurs



JÖNKÖPING UNIVERSITY

*Jönköping International  
Business School*

## Context

In 2020, it was collectively decided by the executive team and Guénola that the best strategy to help embed JIBS Guiding Principle *Being Responsible in Action* would be to focus on Education & offer training support & resources to the teachers.

By “educating” the educators, JIBS hope for in depth transformation regarding Agenda 2030.





## **Offered Support**

*In agreement & continuous dialogue with program director*

### Collective program brainstorming:

Meeting with course examiners & program director.

### External review: Benchmarking & Inspirations:

With help of interns, research other programs in Sweden and worldwide, review schools, research and needs emerging from the market

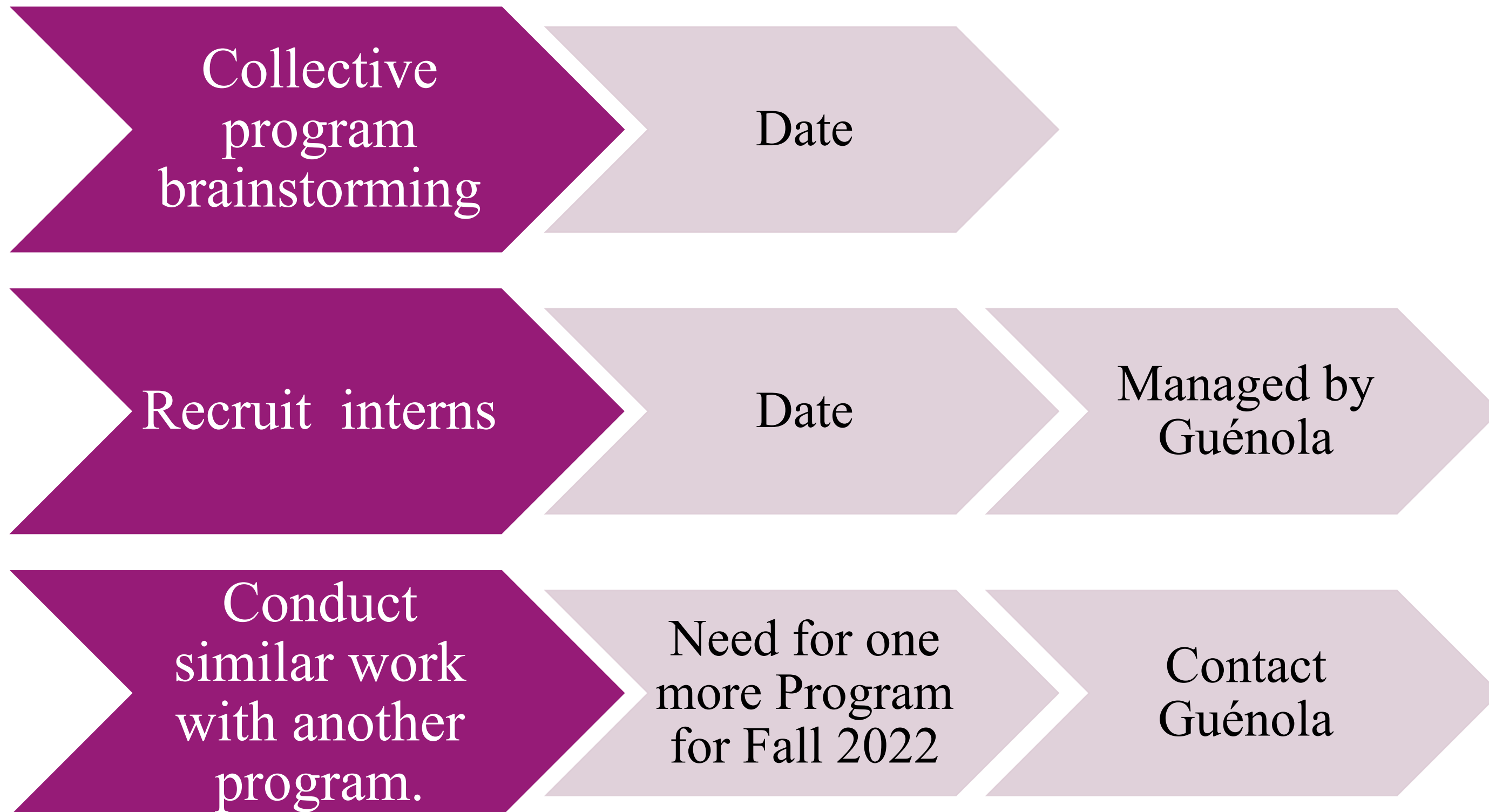
### Internal review: Entire program:

Courses, syllabus, ILOs, students

### Recommendations & Transformation Support:

Strategic recommendations, recommendations of references, textbooks, case studies, innovative teaching settings

## What's next?







In association with



# Green Gown Awards International



Awarding Sustainability Excellence | Since 2004

- The International Green Gown Awards are supported by UN Environment and are open to any university or college across the world.
- They recognise the exceptional sustainability initiatives being undertaken by the world's universities and colleges.
- They set the bar and put every learning institution at the heart of delivering the UN Global Goals.
- We are delighted to be working in partnership with the below organisations, as well as our headline partner (2022-2024) Alliance Global Investors. The Awards are administered by EAUC.

In partnership with:



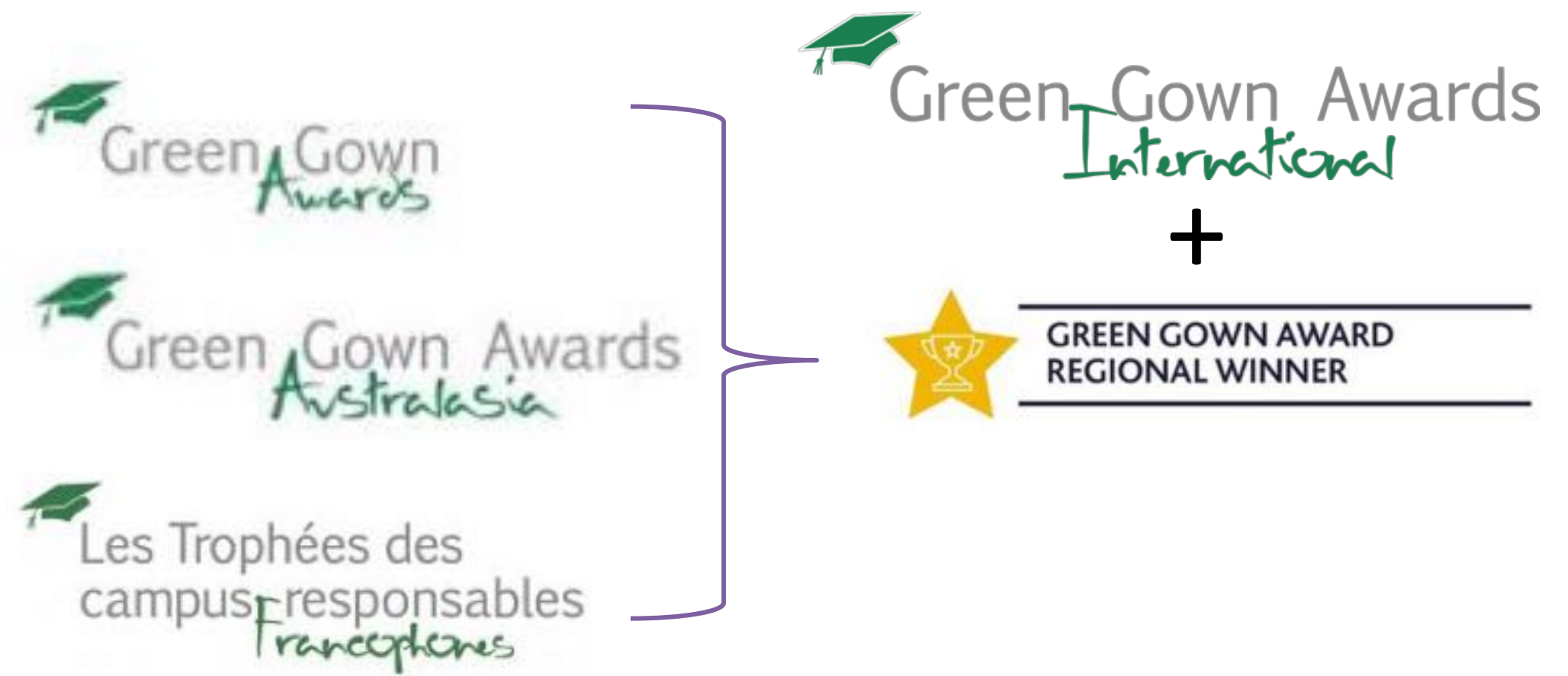
The Association  
of Commonwealth  
Universities



In association with



The Awards are run in 4 regions:



There are 6 categories:

- 2030 Climate Action
- Benefitting Society
- Creating Impact
- Next Generation Learning and Skills
- Student Engagement
- Sustainability Institution of the Year



# Next Generation Learning and Skills

The Government is committed to ensuring that all young people have the opportunity to gain the skills and knowledge they need to succeed in the 21st century. This includes providing high-quality education and training, and ensuring that all young people have the opportunity to gain the skills and knowledge they need to succeed in the 21st century.



The Government is committed to ensuring that all young people have the opportunity to gain the skills and knowledge they need to succeed in the 21st century.



100 100 100 100 100





In association with



Green Gown Awards  
*International*



# Awards Ceremony

6 July 2022 - 1300 EST



**HIGH-LEVEL POLITICAL FORUM  
ON SUSTAINABLE DEVELOPMENT**







In association with



# Green Gown Awards International

Awarding Sustainability Excellence | Since 2004



For more information please visit

[www.greengownawards.org/international-green-gown-awards](http://www.greengownawards.org/international-green-gown-awards)

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6 July 2022

# **HESI+10 Communique and HESI+10 Global Forum**

**HESI+10 Global Forum**

**Role of higher education in building back better from COVID-19 and advancing the  
2030 Agenda  
6 July 2022, virtual**

**Register [here](#)**

**The Forum will produce a HESI+10  
Communique which will be submitted to  
HLPF. The Communique will be based on the  
discussions and recommendations from the  
webinars and the forum discussions.**



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# Thank you!

Visit for more information:  
<https://sdgs.un.org/HESI>

