

Rankings and university international exposure

> 26-28 April 2023 TASHKENT • SAMARKAND



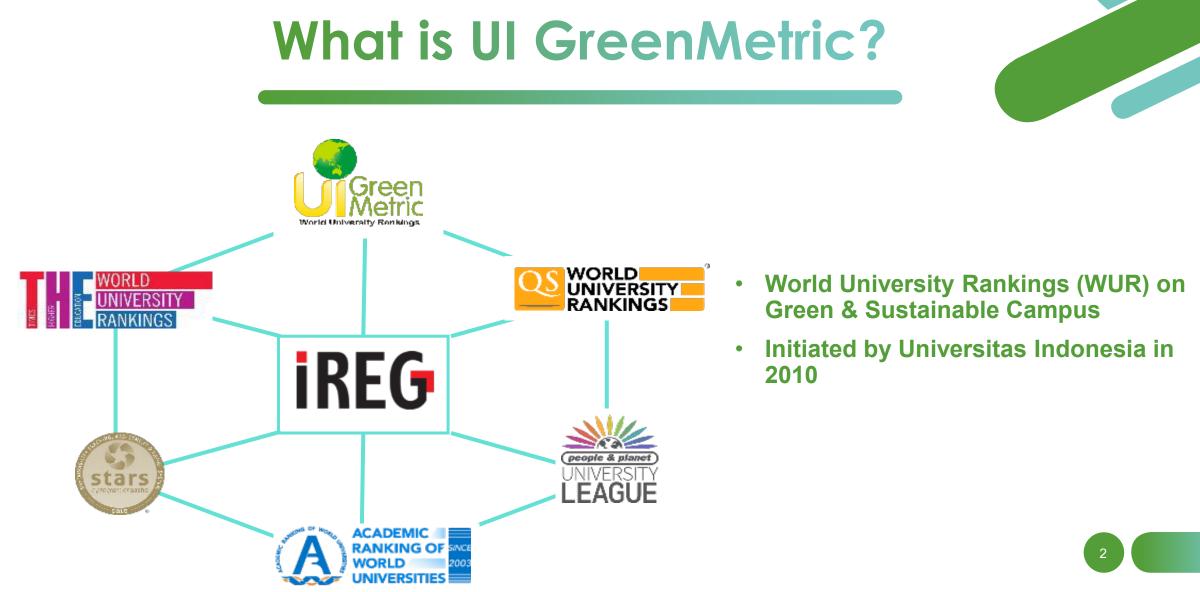




#### Beyond Rankings: UI GreenMetric Online Course on Sustainability

**Prof. Dr. Riri Fitri Sari** Chairperson of UI GreenMetric Email: <u>riri@ui.ac.id</u> Universitas Indonesia







### Vision and Mission UI GreenMetric





#### Will Ranking Catch Up With Changing Social Expectation and Geopolitical Shift?

Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIIAME), Uzbekistan



#### "Green Standart in Aral"

Development and implementation of innovative measures and solutions aimed at turning the Aralboyi region into an area of ecological innovations and technologies, improving the living conditions and quality of the population, and developing ecology and the environment.



#### "Increasing the efficiency of land use in the dry bottom of the Aral Sea"

To reduce the negative impact of the island problem, to improve the efficiency of land use in the dry bottom of the Aral Sea, to develop the most optimal scientific solutions for the introduction of watersaving and salt-reducing technologies.

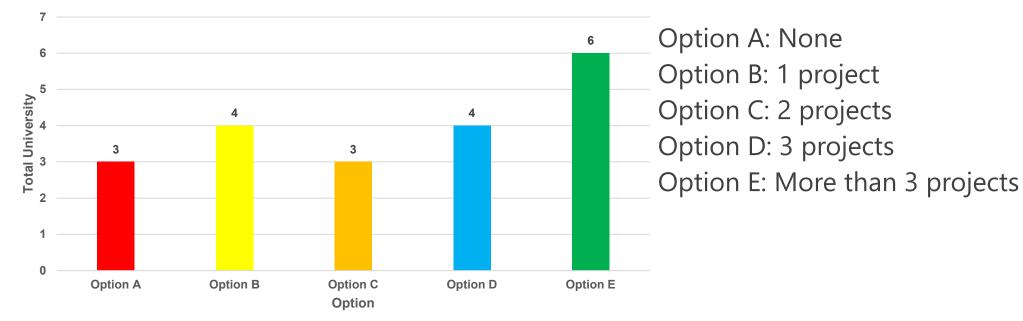
UI GreenMetric 2023

### UI GreenMetric Questionnaire related to Community Development - Uzbekistan -

#### 6.15 (ED.10):

Number of sustainability community services project organized and/or involving students

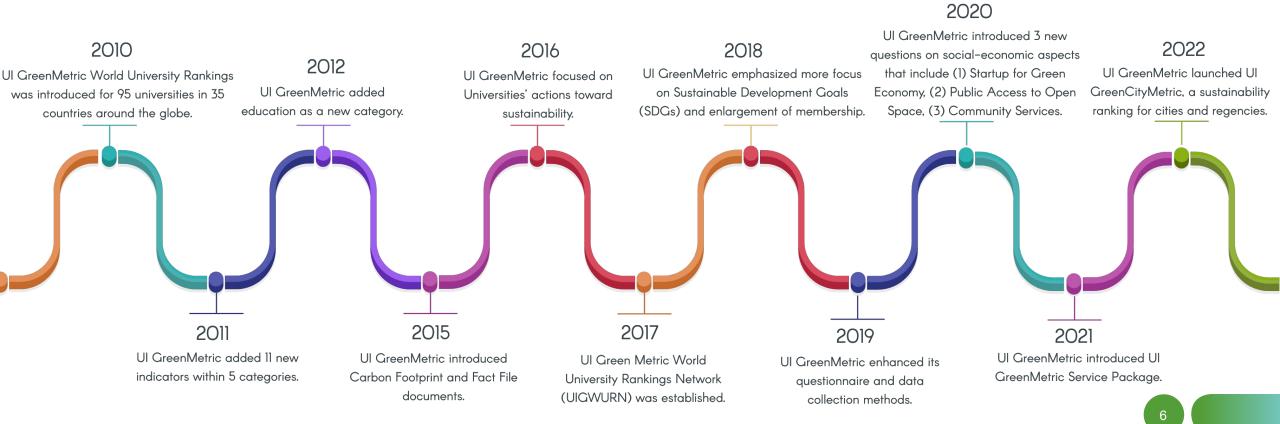
Distribution by Option 2022 UI GreenMetric Participants - Uzbekistan -





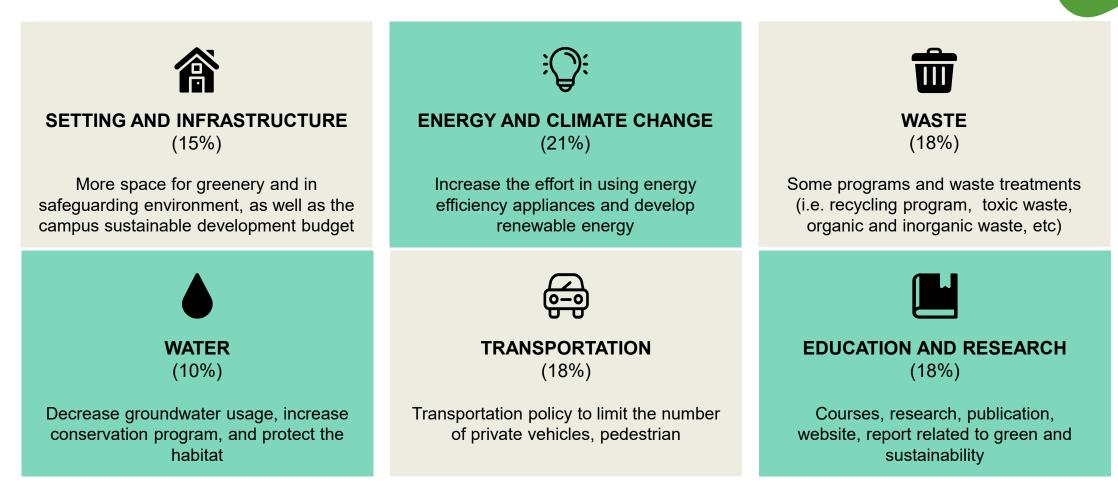
Total University: 20 university

### **History of UI GreenMetric Rankings**



#### reen UI GreenMetric 2023

### Methodology

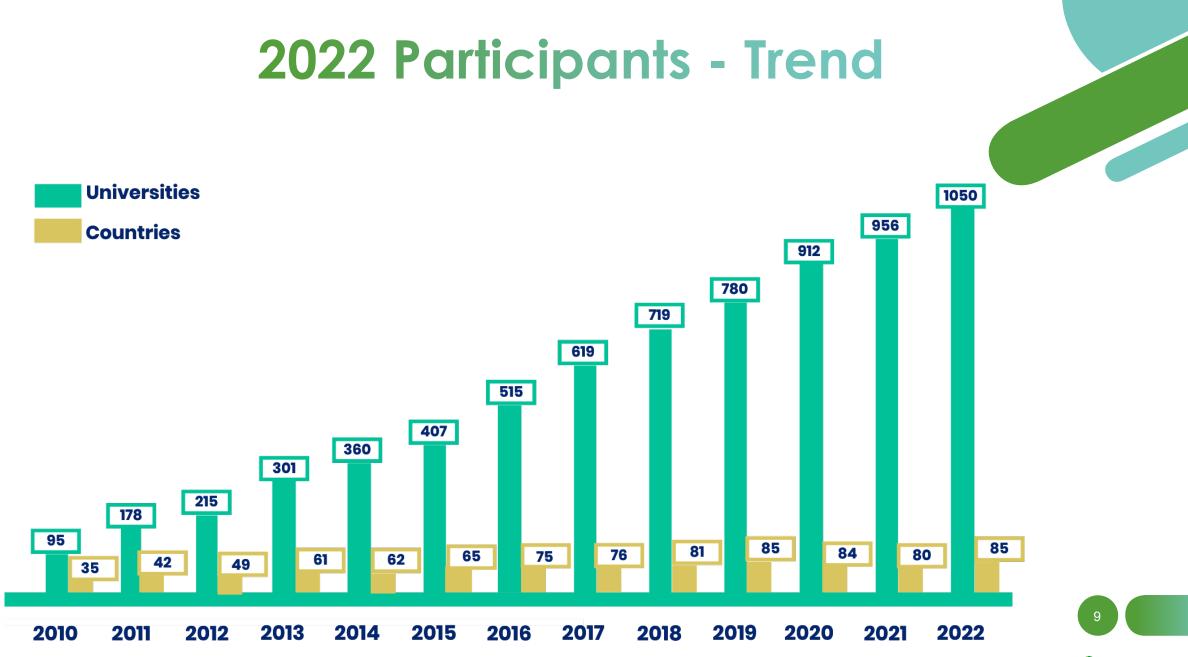




### **UI GreenMetric and SDGs**



UI GreenMetric 2023





### **2022 UI GreenMetric Participants**



#### UI GreenMetric World University Rankings Network (UIGWURN)

#### Aims:

Sustainable Universities, Sustainable Future

#### **Principles:**

OPEN	PARTICIPATORY		COLLABORATIVE
MUTUAL RESPECT		CO	MMON GOAL



# **Thematic Priority Activities**

As a global network of universities concerned with sustainability, UI GWURN seeks to advance the efforts of its members and contribute to global society



#### **UI GreenMetric World University Rankings Network Universities:**

- Can together shape the policy for higher education and research in the sustainability issues that have significant impact to the world
- Will cooperate to enhance the global leadership capabilities of faculty, administrators and students as well as of their institutions
- Will work together with partners from government and business, international organizations and community leaders on solutions to regional and global sustainability challenges

Implementation of the second thematic priority of the UI GreenMetric World University Rankings (**Creating Global Sustainability Leaders**), can be reflected in the **UI GreenMetric Online Course on Sustainability** 



### **UI GreenMetric Online Course on Sustainability**



- UI GreenMetric Online Course on Sustainability is a course initiated by UI GreenMetric World University Rankings. This online course collaborates with 7 universities from 7 countries in the world for international students and 17 universities in Indonesia for Indonesian students.
- The course discusses the complex interplay between the economy, social life, and our planet's physical environment, as well as the consequences of human activities on the planet's environment and the solutions to face them. It contextualizes these challenges in different countries.



#### UI GreenMetric Online Course on Sustainability Features:











Credit transfer

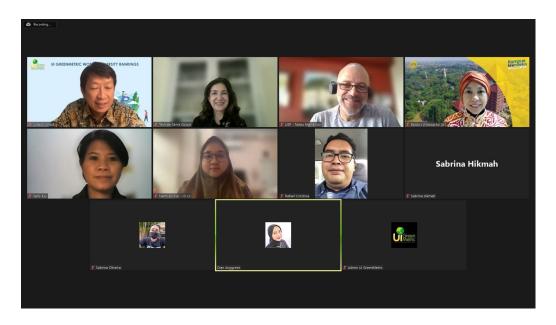






### **Step.1 Finding Partners**

UI GreenMetric Online Course on Sustainability for International Students was held for the first time in 2021 in coordination with seven universities from 7 countries; Brazil, Indonesia, Colombia, Ecuador, The United Arab Emirates, Tunisia and Hungary. In 2022, the UI GreenMetric Online Course on Sustainability was held for students in Indonesia in coordination with 17 universities in Indonesia.



- Before the implementation of the UI GreenMetric Online Course on Sustainability, UI GreenMetric will seek out university partners to collaborate on this initiative. Typically, partner universities serve as national coordinators in countries that are part of the UI GreenMetric network.
- Afterward, regular meetings will be held to discuss content design, assignments, and contributing professors from universities each week.



### **Step.2 Content on Moodle**



- Once the contributing professors have been assigned for each week, they will create instructional videos and related materials according to the designated topic. These videos and materials will be uploaded to Moodle, one of the representative universities, where lecturers and students can access it.
- In Moodle, students can submit assignments and engage in discussions with both other students and lecturers.

Week	SDGs	Торіс	Aim
1	SUSTAINABLE DEVELOPMENT COALS COALS	What is Sustainable Development?	Students understand the challenges our World faces and topics of Sustainable development.
2	B DECENT WORK AND ECONOMIC GROWTH	Social Infrastructure and Long Run Economic Performance. It will present the history of economic development, starting with the Industrial Revolution and ending with the current state of modern economic growth in different countries.	Students understand the difference of economic development across countries and what are the determinants of economics.
3	10 REDUCED INEQUALITIES	The History of Inequality. This topic will analyze various factors that contribute to some countries advancing while others do not.	Students understand various factors that contribute to some countries advancing while others do not.



Week	SDGs	Торіс	Aim
4	1 NO POVERTY	The SDGs and the End of Extreme Poverty. The pathways for achieving the end of extreme poverty in different countries	Students understand the pathways for achieving the end of extreme poverty in different countries; Students understand an overview of food security, farm systems, and ecology and review what can be done to achieve a sustainable global food supply as well as local food supply.
5	15 LIFE ON LAND	Growth within Planetary Boundaries	Growth within Planetary Boundaries. This topic will detail the various planetary boundaries and their implications for growth dynamics.
6	Synchronous Event	1st Seminar	Partial results - Project Workshop
7	5 GENDER EQUALITY	Human Rights and Gender Equality. It will focus on the ethics of wealth, poverty, and inequality as well as the forces that widen inequalities in different countries.	Students understand aspects of gender equality and decent work.



Week	SDGs	Торіс	Aim
8	4 QUALITY EDUCATION	Higher Education	Higher Education. It will present an overview of the state of modern higher education, the roles of UI GreenMetric World University Rankings, and what needs to be achieved for sustainable development. Case studies of universities in different countries to be sustainable will be discussed.
9	<b>3</b> GOOD HEALTH AND WELL-BEING	Culture, Good Health, and Well Being. It will be provided an overview of the notions, challenges, and pathways to achieving good health and well-being in different countries.	Students understand an overview of the notions, challenges, and pathways to achieving good health and well-being in different countries.
10	Synchronous Event	2nd Seminar	Partial results - Project Workshop



Week	SDGs	Торіс	Aim
11	11 SUSTAINABLE CITIES AND COMMUNITIES	Sustainable Cities. This topic will look into what makes a city sustainable, the patterns of urbanization, and pathways for urban resilience in different countries.	Students understand a city sustainable, the patterns of urbanization, and pathways for urban resilience in different countries
12	13 CLIMATE ACTION	Understanding Climate Change. It will provide an introduction to the science behind climate change and describe the negotiations and policies that are necessary to mitigate and prevent its consequences.	Students will understand the scientific issues, political pressures, and the challenges to mitigate Climate Change.



Week	SDGs	Торіс	Aim
13	15 LIFE ON LAND	Saving Biodiversity. This topic reviews the various threats to the world's ecosystem and biodiversity as well as policies and actions to mitigate and prevent the threats.	Students understand the various threats to the world's ecosystem and biodiversity as well as policies and actions to mitigate and prevent the threats.
14	<b>9 INDUSTRY, INNOVATION</b> AND INFRASTRUCTURE	The Green Industry agenda (The Future We Want) (SDG 9)	Students understand the symbiosis of enterprises and the circular economy.

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Week	SDGs	Торіс	Aim
15	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	Sustainability Governance	Students understand the way of being involved in a peaceful way of living in their cities.
16	17 PARTNERSHIPS FOR THE GOALS	The SDGs, Global Partnership, and the Roles of Students. This topic will recount the history of the Sustainable Development Goals (SDGs), describe what is necessary to achieve them, and discuss the roles of students in the SDGs.	Students understand the history of the Sustainable Development Goals (SDGs), necessary to achieve them, and the roles of students in the SDGs.
17	Synchronous Event	Final Seminar	Presentation of Project Work Participants present and discuss their project works

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### **Step.3 Call for Students**

#### COURSE REQUIREMENT

- Undergraduate (3rd year) and master students
- Minimum GPA 3.0 of 4.0
- Able to do academic activities

ESPOCH

Home University Recommendation

#### COURSE COORDINATORS

Should you be interested in this course and would like to enroll, please contact Person in Charge of each participating university shown below



Prof. Tadeu Fabricio Malheiros tmalheiros@usp.br University of São Paulo



University of Szeged

Prof. Eng. Rafael Cordova Uvidia

rafael.cordova@espoch.edu.ec





Prof. Jaime Alberto Romero

SUSTAINABLE GOALS



MORE INFORMATION

greenmetric@ui.ac.id

https://greenmetric.ui.ac.id/online-course



Mr. Laszlo Gyarmati gyarmati.laszlo@tik.u-szeged.hu University of Szeged

ouaidi.korbaa@centraliens-lille.org

Prof. Ouajdi Korbaa

University of Sousse

Prof. Tevhide Serra Gorpe tgorpe@sharjah.ac.ae University of Sharjah

• In recruiting students to participate in the online course, several requirements are needed. If eligible, students can contact the course coordinator at their respective universities via email or other available contact information. Due to limited guotas for students in each university, universities are encouraged to select students who can participate in the online course. The selection process is entirely up to each university.

 After being selected, students who will take the online course will be given a username and password to access the learning Moodle. In Moodle, students can access videos and materials from teachers and submit assignments that have been assigned. 23



# **Step.4 Grading**

Deliverable	Grade
Reflection journal	35%
Project report	55%
Project presentation	10%

#### <u>Course grading:</u>

0-50 % Fail; 51-75 % Satisfactory; 76-

76-100% Excellent

- The UI GreenMetric Online Course on Sustainability has three evaluation indicators: Reflection Journal with a weight of 35%, Project Report with a weight of 55%, and Project Presentation with a weight of 10%.
- Registered students will be grouped with students from different universities and countries to collaborate on project proposals. Furthermore, some meetings will be conducted synchronously to enable students to interact directly with instructors and receive feedback related to their ongoing project proposals.
- A minimum grade of 70% is required to pass the course.



### **Step.5 Evaluation**





- In the context of evaluating the implementation of the UI GreenMetric Online Course on Sustainability in 2021, a meeting was held on October 10th, 2022, between 7 universities for the international online course and 17 universities in Indonesia at Universitas Negeri Yogyakarta.
- The outcome of the evaluation meeting was that all members agreed on common principles for developing online courses in the future. Some of the interesting issues discussed included the importance of Quality Assurance. The standard would be to examine the features of the system, such as the discussion forum, which needs to be used more often to enable students and lecturers to communicate and discuss more interactively.



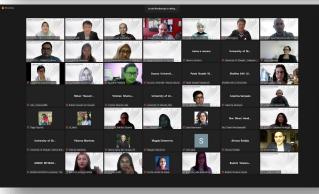
#### Website, Flyer and Zoom Meeting

#### https://greenmetric.ui.ac.id/online-course



#### **About This Course**

UI GreenMetric Online Course on Sustainability is the first unique global online course offered by top universities in four continents and seven countries to members of UI GreenMetric World University Rankings Network. It gives students an understanding of the key challenges and pathways to sustainable development in Brazil. Colombia, Ecuador, Hungary, Indonesia, Tunisia, and The United Arab Emritets. The course is designed as an undergraduate-level introduction to the most challenging question facing our generation: how the world can evolve in ways that are socially inclusive and environmentally sustainable. The course is designed as an undergraduate-level introduction to the most challenging question facing our generation: how the world can evolve in ways that are socially inclusive and environmentally sustainable. The course is designed as an understanding of the key challenges in different countries like Brazil, Colombia, Ecuador, Hungary, Indonesia, Tunisia, and The United Arab Emritets. The course is offered by University of Sao Paolo, University of Indonesia, El Bosque University of Sacyed, University of Sharjah, Escuela Superior Politècnica de Chimborazo, and University of Souse.







Study Period 15 September - 12 January 2023

#### COURSE REQUIREMENT

Undergraduate (3rd year) and master students
Minimum GPA 3.0 of 4.0
Able to do academic activities
Home University Recommendation

#### COURSE COORDINATORS

Should you be interested in this course and would like to enroll, please contact Person in Charge of each participating university shown below

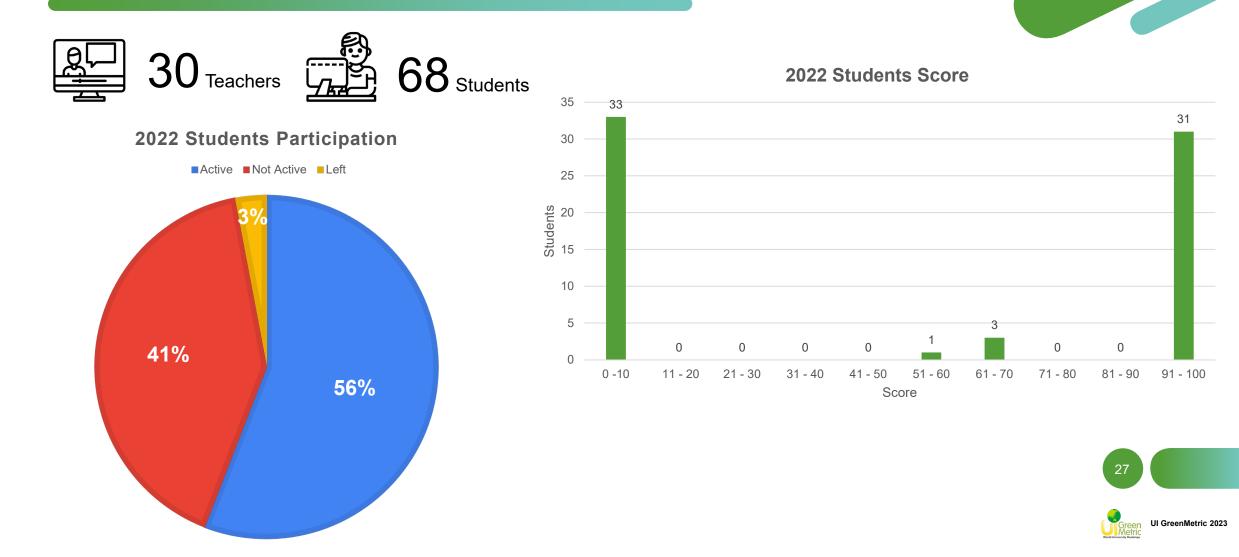
MORE INFORMATION

greenmetric@ui.ac.id

https://greenmetric.ui.ac.id/online-course



#### Ul GreenMetric Online Course on Sustainability 2022



#### **Online Course Project Title from Each Group - 2021**





**Climate Change : A Change of** Mind

Cecilia Loretti de Paiva (University

of Sao Paulo); James Andrean Noel

(Universitas Indonesia); Patricio

David Guerra Vinueza (ESPOCH);

(University of Sharjah); Vicente

Costa Leal Torrico (University of

Abdelrahman Abdalla Alhajr

Sao Paulo)

Pouria Aghaei (SZTE); Reem Yousif

The Pandemic as A Protagonist of The Increase In Poverty Around The World

(ESPOCH); Anna Csoka (University

Munhoz(University of Sao Paulo);

(Universitas Indonesia); Mouna

Idoudi (University of Sousse);

Henrique Marques Polakiewicz

Silveira Leite (University of Sao

(University of Sao Paulo); Vinicius

Ángela Sofia Ortiz Bastidas

of Szeged); Marina Reck

Reisha Adanna Kuntoro



Anna Julia Sigrist

Indonesia); Isadora

(ESPOCH); Noof Naji

(University of Sharjah)

**Responsible Production** and Consumption in AgroIndustry

(University of Sao Paulo);

Dian Judith (Universitas

Skorupski (University of

Sao Paulo); Micaela Saez



Yasmim Piccolo

Indonesia)

The Need of Clean **Energy Supply in Isolated** Communities

(University of Sao Paulo);

Erika Escobar (ESPOCH);

Firya Adistri (Universitas



**Atmospheric Pollution** "Social and Environmental Consequences"

Alisson Nunez (ESPOCH); Alva Almemari (University of Sharjah); Mhiri Sirine (University of Sousse); Paula Mazaroski (University of

Sao Paulo)



**Green Transportation for Third** World Countries

Abir Amur Al Shibli (University of Sharjah); Fatma Zahra Ben Jemaa (University of Sousse); Nikcole Daniela Caliro Duran (El Bosque University); Melissa Jakeline Delgado Jaya (ESPOCH)



Paulo)

**Fresh Water Supplement** 

Bdour Hussein (University of Sharjah); Julie Echeverria (ESPOCH); Riza Oktavianus (Universitas Indonesia); Hammemi Sana (University of Sousse)



Alternative Method for The Use of **Mercury in Gold Mining Extraction** 

Firli Rahman Hakim Fauzi (Universitas Infonesia); Sara Marchi (University of Sao Paulo); Ana Maria Madiedo Camelo (El **Bosque University**)

13 CLIMATE ACTION SUSTAINABLE CITI

Sustainable Urban **Transportation** 

Asma Cherni (University of Sousse); Beatriz Teixeira (University of Sao Paulo); Catalina Verduga (ESPOCH); Indrajati Wurianturi (Universitas Indonesia); Julia Funicello (University of Sao Paulo); Lina Abulail (University of Sharjah); Nandor Traser (University of Szeged)



#### Sustainable Tourism fo Inclusive **Green Economy**

Andrea Paola Cabezas Paredes (ESPOCH); Bouabana Souad (University of Sousse); Catarina Rodrigues Sampaio (University of Sao Paulo); I Gusti Ngurah Gede Agung Pardipta (Universitas Indonesia); Juan Camilo Gomez Caipa (El Bosque University); Louise de Silveira (University of Sao Paulo); Maitha Yousef (University of Sharjah); Tiago Aquino e Costa (University of Sao Paulo)



# Student's Testimonials 2021



"Thank you for the opportunity; thank you to all the professors here, especially in my group; they were the good guy for us."

Julie Alejandra Echeverría, ESPOCH



"Thank you to UI, USP, and other universities that are already involved in this program. Finally, my dream came true. I have always dreamed if I have international exposure in the academic program. So, in 2021 my dream came true with UI GreenMetric Online Course."

Firli Rahman Hakim, Universitas Indonesia

"It's a great experience being a part of this course and giving the solution to world problems from other people's perspectives."

Bdour Hussein, University of Sharjah

"Thank you for giving us this opportunity. I really learned a lot from this reliable experience."

Alya Al Meemari, University of Sharjah

"Thank you so much for this international initiative, so congratulations to all."

Dr. Ágnes Gulyás, University of Szeged



#### Online Course Project Title from Each Group - 2022



Education and Sustainable Development

Ammar Essid (University of Sousse), Erij Ameur (University of Sousse), Muhammad Umar Farooq (University of Szeged), Julia Marques de Medeiros (University of Sao Paulo), Nestor Lenín Saltos Alava (ESPOCH), Heba Yahia Youssef (University of Sharjah), Sandra Patricia Granados (El Bosque University)



Utilization of Food Waste for Energy Production and Saving

Sara, Asaad (University of Sharjah) Tiago, Alexandre (University of Sao Paulo) Tia, Isnaini (Universitas Indonesia) Alecio, Gotti (University of Sao Paulo) Hasan, Kanjo (University of Sharjah) Manuel, Escobar (El Bosque University)



Gender Inequality and Its Effects on Developing Societies

Anggela, Sadeli (**Universitas Indonesia**) Faiza Karimou Boureima (**University of Sousse**) Johana Verónica Jerez (**Escuela Superior Politécnica de Chimborazo**)



Making The World Better: Learning from Local Actions in Brazil, Ecuador, Indonesia and Tunisia

Aniq Fadhillah (**Universitas Indonesia**), Ikramellah Nemri (**University of Sousse**), Dalila Belen Guevara Rodriguez (**ESPOCH**), Valentina Vasconcellos dos Santos (**University of Sao Paulo**)



Clean Energy for Cooking: The Role of Youth in Education on the Impact of Wood fuel and Alternative Sustainable Energy

Andini Dwi Khairunnisa Daulay (**Universitas Indonesia**), Anita Fodor (**Univeristy Of Szeged**), Andrea Nicole Núñez Rivadeneira(**ESPOCH**), Awatef Ben Amor (**University of Sousse**), Livia Maciel Santana (**University of Sao Paulo**)



Comparative Study Between the Reality of Different Countries in Terms of Availability of Natural Resources and Clean Energy

Ana Sophia Reami Dalaneze (Universidad de São Paulo), Eya Ben Rhayem (University of Sousse), Kevin Lenin Alarcón Maza (ESPOCH), Marwa Ahmed Ali Alraeesi (University of Sharjah), Paula Alejandra Delgado Valencia (El Bosque University)



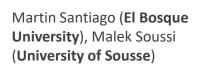
Fighting Greenhouse Effect Consequences Through Sustainable Urban Planning

Sara Alves (University of São Paulo), Sachi Emelin Carissa (Universitas Indonesia), Sumayrah Lubna (University of Sharjah)



Relationship Between CO2 Emissions And Transportation Around The World

Nadia Humayun (University of Sharjah), Abir Fekih (University of Sousse), and Ian Palomo (University of Sao Paulo)



**Education & Water Issues** 

in Rural & Urban Areas of

**Colombia & Tunisia** 



The Need for a Circular Economy: A Solution for our Environment and an Opportunity for Sustainable Development

Mauro Sebastián Salazar Ramírez (Escuela Superior Politécnica de Chimborazo) Sarah Boudriga (University of Sousse) Felipe Niemeyer Oricchio (University of Sao Paulo)

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UI GreenMetric 2023

# Student's Testimonials 2022

"I think that lectures' videos were very educating, having professors explain SDGs and different topics regarding Sustainibility Governance was very beneficial, having more of these and more topics would also be a great help to understand sustainable development."

Abir Fekih Fradj, University of Sousse

"In terms of the skills I have learned to improve my oral and written expression in English, it has been very useful. In terms of knowledge, I have read and understood several topics that I didn't know much about, I learned a lot about each of the Sustainable Development Goals, specifically about gender equality."

Johana Verónica Jerez Campoverde, ESPOCH

"I learned too much about lots of things, but I think that the greatest knowledge I have learned is about the environment and its relation to the humanity. A little with the english too, because it is not my mother language, so being in contact with this language helped a lot."

Ian Baena Palomo, University of São Paulo

"I have learned the ways that the world can walk to sustainability. Besides, I learned how to make energy based on food waste. This can contribute to the end of the lack of energy and hunger in the poorest zones in the world."

Manuel Esteban Quiroz Escobar, El Bosque University





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# **Useful Links**

#### Methodology:

- UI GreenMetric World University Rankings: <u>https://greenmetric.ui.ac.id/about/methodology</u>
- UI GreenMetric guideline: <u>https://greenmetric.ui.ac.id/publications/guidelines</u>
- UI GreenMetric questionnaire: <u>https://greenmetric.ui.ac.id/publications/questionnaire</u>
- UI GreenMetric template evidence: <u>https://greenmetric.ui.ac.id/publications/evidence-template</u>

#### **Results:**

- UI GreenMetric World University Rankings: <u>https://greenmetric.ui.ac.id/rankings/overall-rankings-</u> 2022
- UI GreenMetric University Rankings by Region: <u>https://greenmetric.ui.ac.id/rankings/ranking-by-region-2022</u>
- UI GreenMetric University Rankings by Country: <u>https://greenmetric.ui.ac.id/rankings/ranking-by-country-2022</u>
- UI GreenMetric University Rankings by Category: <u>https://greenmetric.ui.ac.id/rankings/ranking-by-category-2022</u>

#### **Network:**

 UI GreenMetric World University Rankings Network: <u>https://greenmetric.ui.ac.id/network/organization</u>



### **THANK YOU!**

#### Do you have any questions?

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**Dian Anggreini, S.Si.** *Partnership Specialist* (Phone number: +62 895-3668-67039)

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