

jOiNEd For sUsTainability - bUilding climate REsilient communities in WB and EU

University Iuav of Venice

Project meeting

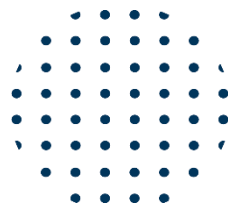
*15 - 16 June 2023
Lund*



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WP2: Initiating climate and sustainability action within academia

- **T2.1** Analysis of state of art of practices within EU and Third Countries associated with EU for fostering climate initiatives and collaboration with government, business and academia



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WP2
T2.1

Sustainability survey

ACTION RELATED TO CURRICULUM DEVELOPMENT

- Are there any bachelor's, master's, or postgraduate courses at your university that deal primarily with sustainability issues?
- Are there individual courses at your university that deal in detail with sustainability issues?
- Are there courses at your university that deal in part with sustainability issues?

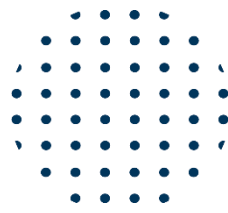
PROJECTS AND ACTIONS RELATED TO COLLABORATION BETWEEN DIFFERENT STAKEHOLDERS

- Are there in your University research projects dealing with sustainability issues? (EU-funded research projects, University research projects, Inter-university research projects, etc.)

ACTIONS RELATED TO UNIVERSITY SERVICES

- Are there any university management initiatives related to sustainability in your university?





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Sustainability survey

Which SDGs?

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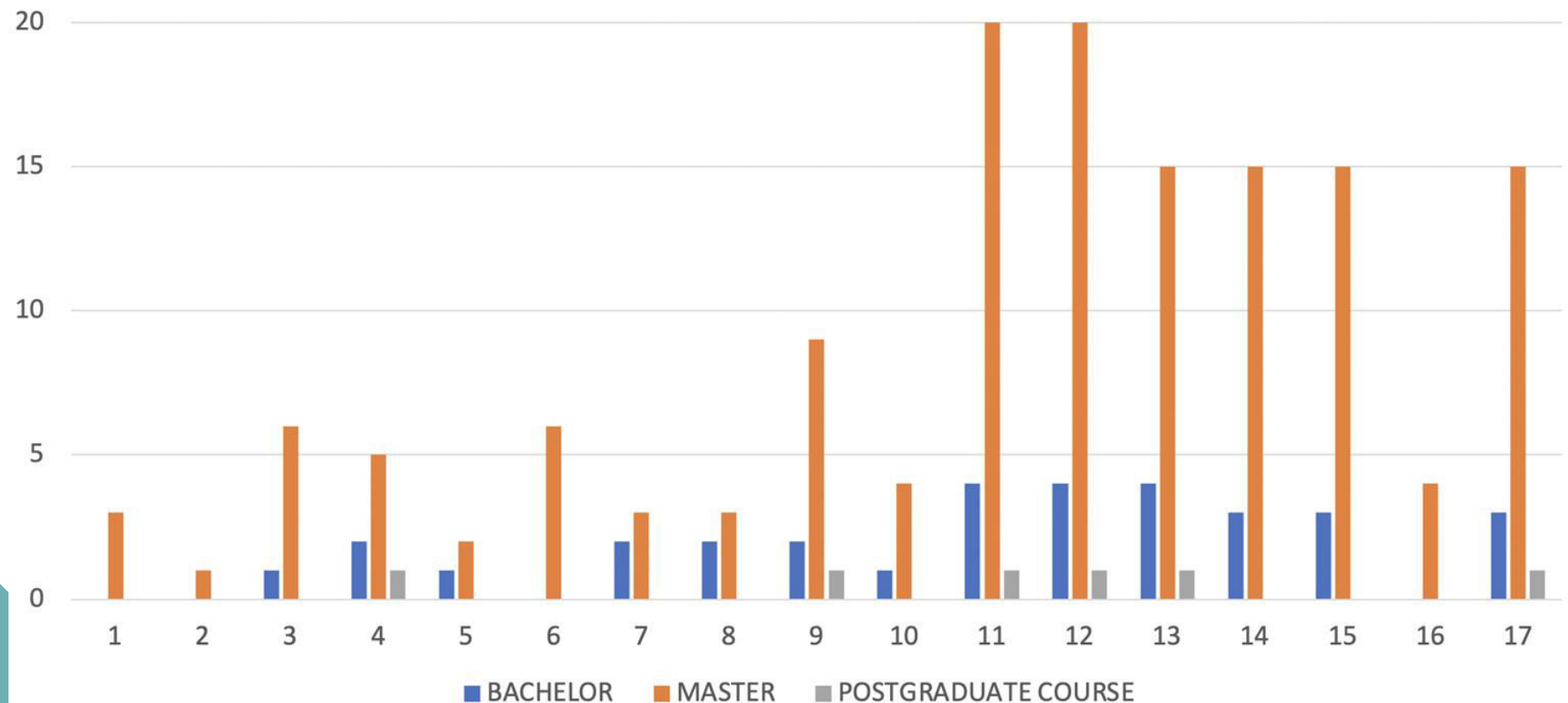
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Sustainability survey: results

ACTION RELATED TO CURRICULUM DEVELOPMENT

- Are there any bachelor's, master's, or postgraduate courses at your university that deal primarily with sustainability issues?



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Sustainability survey: results

ACTION RELATED TO CURRICULUM DEVELOPMENT

- Are there any bachelor's, master's, or postgraduate courses at your university that deal primarily with sustainability issues?

Are there any bachelor's, master's, or postgraduate courses at your university that deal primarily with sustainability issues?

(If yes, please specify the title of the course, reference SDGs, course credits - ECTS, and include a brief description of 2000 characters max.)

Title of the course	Reference SDGs	Course credits - ECTS	Course web page link
Page of reference: https://www.hnee.de/en/Faculties/Faculty-of-Sustainable-Business/Study-programmes/Study-Programmes-E7504.htm?cb=1685462996			
Sustainable Economics and Management (B.A.) - NOEM	4: Quality Education; 5: Gender Equality; 7: Affordable & clean energy; 8: Decent Work and Economic Growth; 9: Industry, Innovation and Infrastructure; 10: Reduced Inequality; 12: Responsible Consumption and Production; 13: Climate action	180	https://www.hnee.de/en/Programmes/Bachelor-degree/Nachhaltige-konomie-Management/Sustainable-Economics-and-Management-B.A.-E10958.htm



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Sustainability survey: results

ACTION RELATED TO CURRICULUM DEVELOPMENT

- Are there any bachelor's, master's, or postgraduate courses at your university that deal primarily with sustainability issues?

Brief description (2000 characters max.)	Number of students	
	2021	2022
Sustainable economy and management focuses on the responsible use of limited resources in business-related situations - on the sustainable use of people, technologies, financial means and natural resources. It is not only about understanding the existing economic system and being able to map it yourself, but also about critically questioning existing structures, finding innovative solutions and promoting change. Sustainable economics is an integrative approach that links known systems with new ideas. At the same time, the management component of the program enables students to acquire operational and strategic competence for a wide variety of business forms, from start-ups to large corporations. Thus, contents of business administration are enriched by aspects of sustainability and relevant competences. In addition to personal and methodological competencies, especially the competence to act in relation to sustainable development and the sustainable development goals of the UN should be promoted. The various dimensions of sustainability accompany as a green thread through the entire study program, but only by adding specialized knowledge and methodological competencies can active shapers of the future be trained.	65	55



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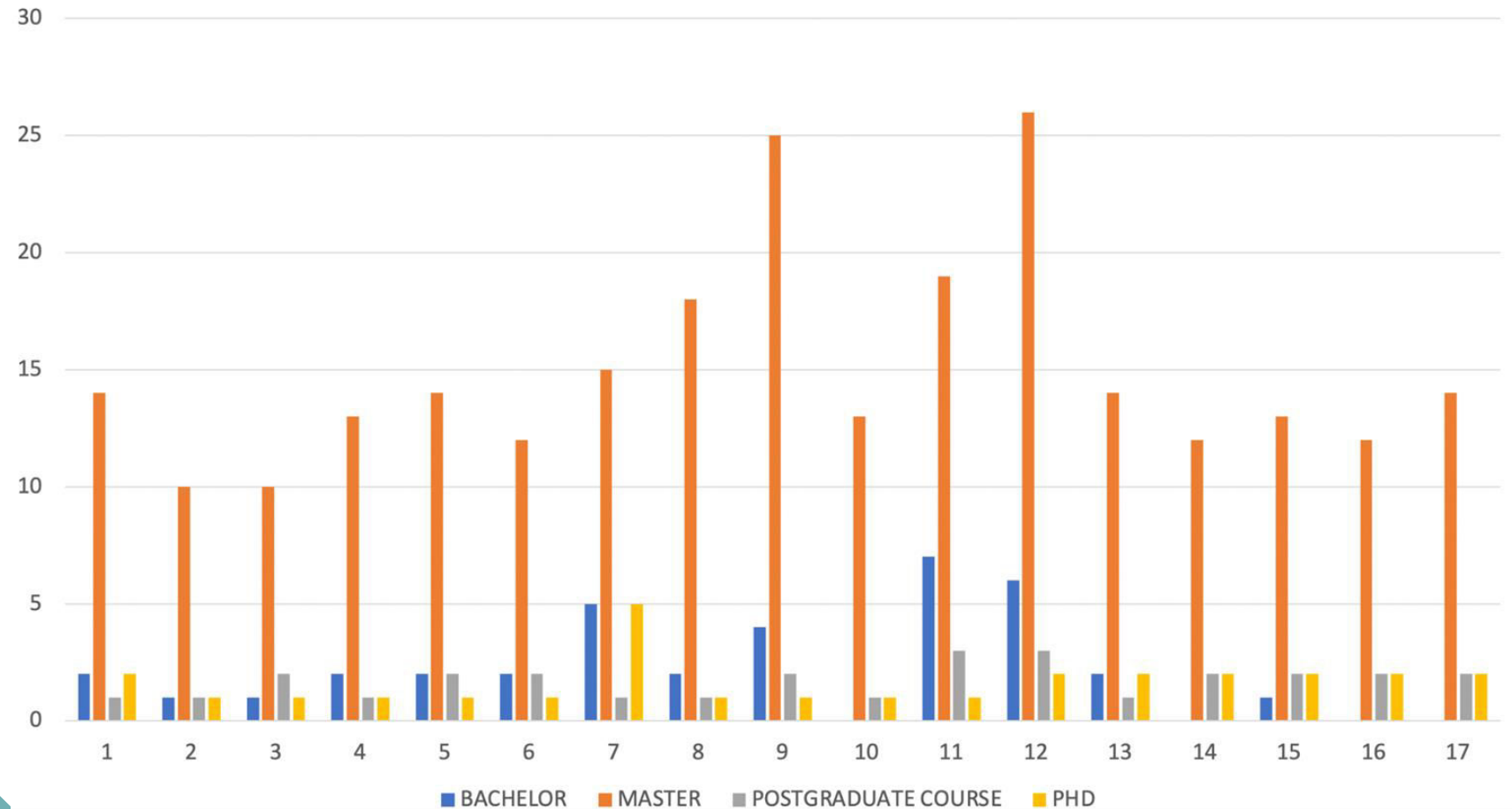
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Sustainability survey: results

ACTION RELATED TO CURRICULUM DEVELOPMENT

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Sustainability survey: results

ACTION RELATED TO CURRICULUM DEVELOPMENT

- Are there individual courses at your university that deal in detail with sustainability issues?

Are there individual courses at your university that deal in detail with sustainability issues?

(If yes, specify the title of the course, reference SDGs, number of students it is aimed at, whether they are part of bachelor's or master's degree programs, course credits - EC)

<i>Title of the course</i>	<i>Reference SDGs</i>	<i>Number of students involved</i>	<i>Are they part of bachelor's or master's degree programs?</i>	<i>Course credits - ECTS</i>
<i>Circular City Studio</i>	<i>7: Affordable & Clean Energy; 11. Sustainable Cities and Communities; 12. Responsible Consumption and Production; 13: Climate action</i>	<i>40</i>	<i>Master</i>	<i>15</i>



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<i>Course web page link</i>	<i>Brief description (2000 characters max.)</i>
https://iuav.coursecatalogue.cineca.it/insegnamenti/2022/7229/2021/1/10221?coorte=2022&schemaid=1536	<p><i>The course, through the development of the three modules (dynamic, planning and design), aims to teach students to read, study and design the territory through the approach of the circularity of metabolic flows. The course will be based on the need to know, understand and design the metabolic dynamics that flow through the territory by shaping it. The concepts of "cycle," "circularity," and "metabolism," borrowed from the natural sciences, will have to be taken up and rethought by students for the territorial and urban dimension of the Venice Metropolitan area. Through the combination of different knowledge, students will be called to confront major global challenges by demonstrating a critical approach aimed at the realization of a growing circular metabolism of the territory and the city.</i></p>



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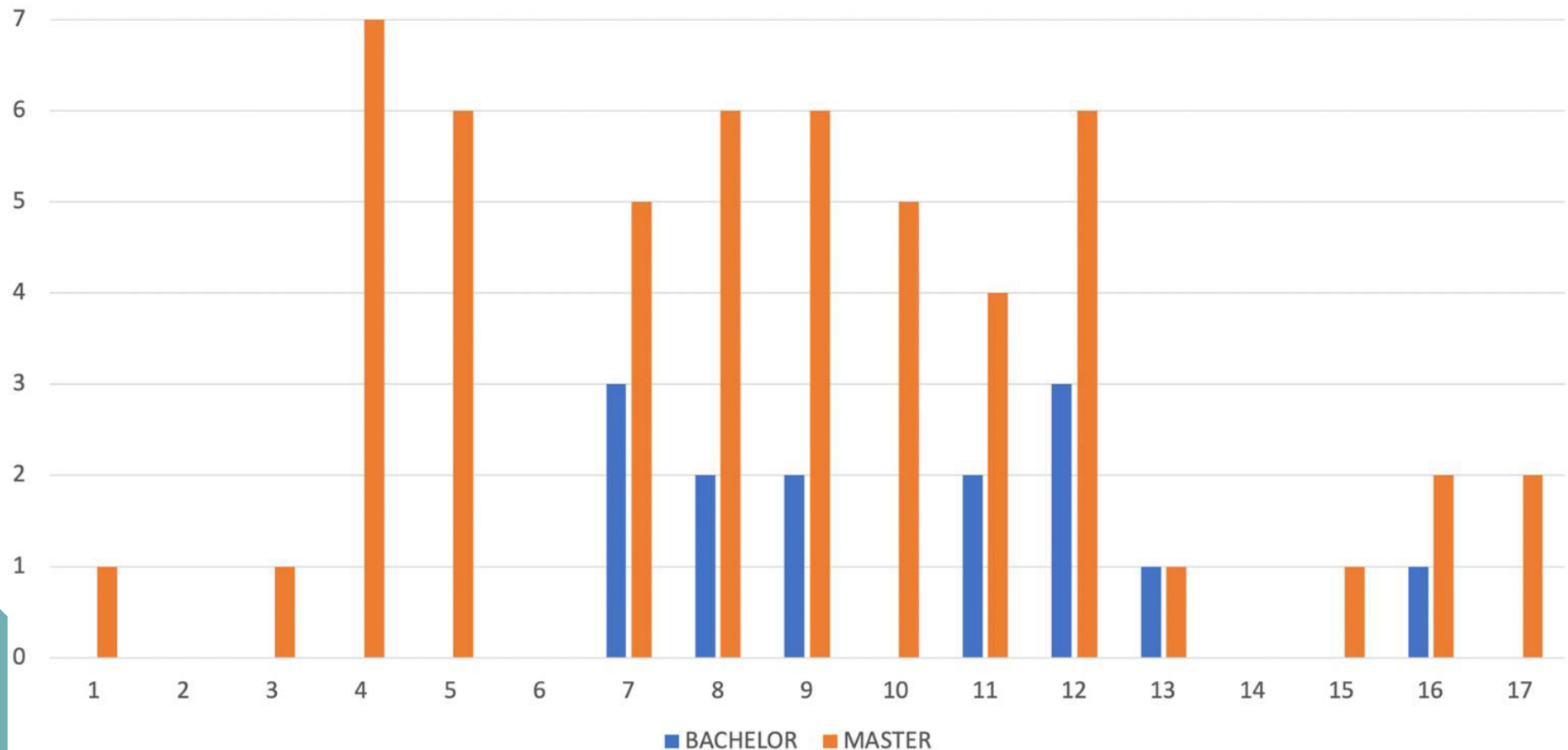
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Sustainability survey: results

ACTION RELATED TO CURRICULUM DEVELOPMENT

- Are there courses at your university that deal in part with sustainability issues?



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Are there courses at your university that deal in part with sustainability issues? <i>(If yes, please specify the title of the course, reference SDGs, number of students to whom it is addressed, whether they are part of bachelor's or master's degree programs)</i>				
<i>Title of the course</i>	<i>Reference SDGs</i>	<i>Number of students involved</i>	<i>Are they part of bachelor's or master's degree programs?</i>	<i>Course credits - ECTS</i>
<i>Steam and Gas Turbines for Renewable Power Production - with Aero-engines</i>	<i>7, 12</i>	<i>100</i>	<i>MSc in Mechanical engineering</i>	<i>7,5</i>



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Course web page link	Brief description (2000 characters max.)
https://kurser.lth.se/lot/cours	<p>The course aims to provide the students with knowledge and understanding concerning the prime movers for sustainable thermal power generation, namely gas- and steam turbines. In addition to the turbomachinery part, a particular focus will be directed towards renewable applications. The latter is essential because flexible dispatchable power plants could be seen as enablers for other renewable production means such as wind- and solar power. The course will cover general applications of gas- and steam turbines, cycles, and the involved components in gas turbines. The course will provide necessary skills in problem-solving concerning energy balances at component and system level, basic one- and two-dimensional aerothermal design of the involved components and more detailed topics such as losses, etc. The students should reach the ability to understand and apply the theory to real engineering problems.</p>



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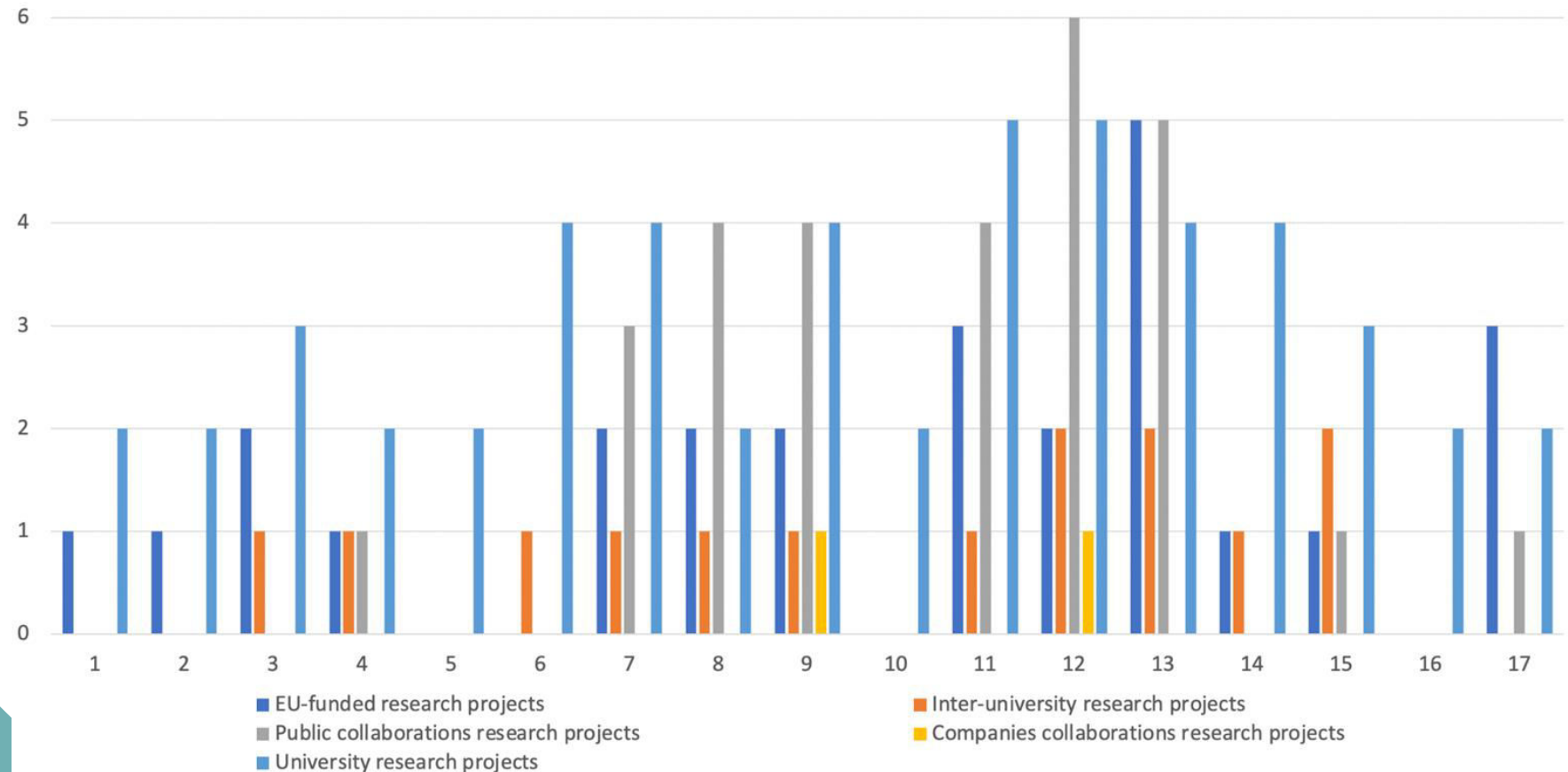
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Sustainability survey: results

PROJECTS AND ACTIONS RELATED TO COLLABORATION BETWEEN DIFFERENT STAKEHOLDERS

- Are there in your University research projects dealing with sustainability issues?



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Sustainability survey: results

PROJECTS AND ACTIONS RELATED TO COLLABORATION BETWEEN DIFFERENT STAKEHOLDERS

- Are there in your University research projects dealing with sustainability issues?

Are there in your University research projects dealing with sustainability issues? <i>(If yes please add a web page link and specify the reference SDGs)</i>			
Title of the project and Brief description (2000 characters max.)	Project web page link	Reference SDGs	Project funding
<p><i>LU profile area: Nature-based solutions. Nature-based future solutions is one of five profile areas at Lund University. The area's unique research aims to improve people's lives and solve global problems. Biodiversity loss and the climate crisis are closely linked. A warmer climate impacts wildlife, entire ecosystems and people, while biodiversity loss exacerbates the effects of climate change. Innovative research can limit the negative effects of these intertwined crises. Researchers at Lund University are investigating the complex links between biodiversity loss and climate change. They are also studying how these crises impact society and human health and well-being. This knowledge is being used to develop nature-based solutions that focus on nature's ability to solve challenges through ecosystem services. Well-designed solutions can benefit biodiversity, mitigate climate change and promote human well-being.</i></p>	<p>https://www.lu.se/forskning/</p>	<p>3, 6, 11, 12, 13, 14, 15</p>	<p>University research projects</p>



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Are there in your University research projects dealing with sustainability issues?

(If yes please add a web page link and specify the reference SDGs)

Title of the project and Brief description (2000 characters max.)

Project web page link

Reference SDGs

Project funding

Project name: Twinning for reaching sustainable scientific and technological excellence in the field of Green Electronics (GREENELIT)

Project number: 951747

Coordinating institution: University of Novi Sad

Coordinator: Prof. Dr. Goran Stojanović

Duration: 2020 – 2023, Eco-friendly materials are becoming increasingly popular, especially in the production of green electronics devices, which have found applications in a variety of fields. Due to their eco-friendly characteristics, green electronics devices also represent ideal candidates to replace invasive and painful methods in conventional medicine. The EU-funded GREENELIT project will increase the research and innovation capabilities of the University of Novi Sad (UNS) in Serbia by introducing twinning actions among internationally leading EU research institutions, Italian Institute of Technology (IIT) and Technical University of Denmark (DTU). The project will reduce the gaps and deficiencies between the UNS and its EU research counterparts and improve RDI capacity and staff research profiles in the field of green electronics. It will strive for excellence based on the transfer of knowledge and expertise, increased research capability and improved research management and administration at the UNS.

<https://greenelitproject.com/>

12:Responsible
Consumption & Production

EU-funded research
projects



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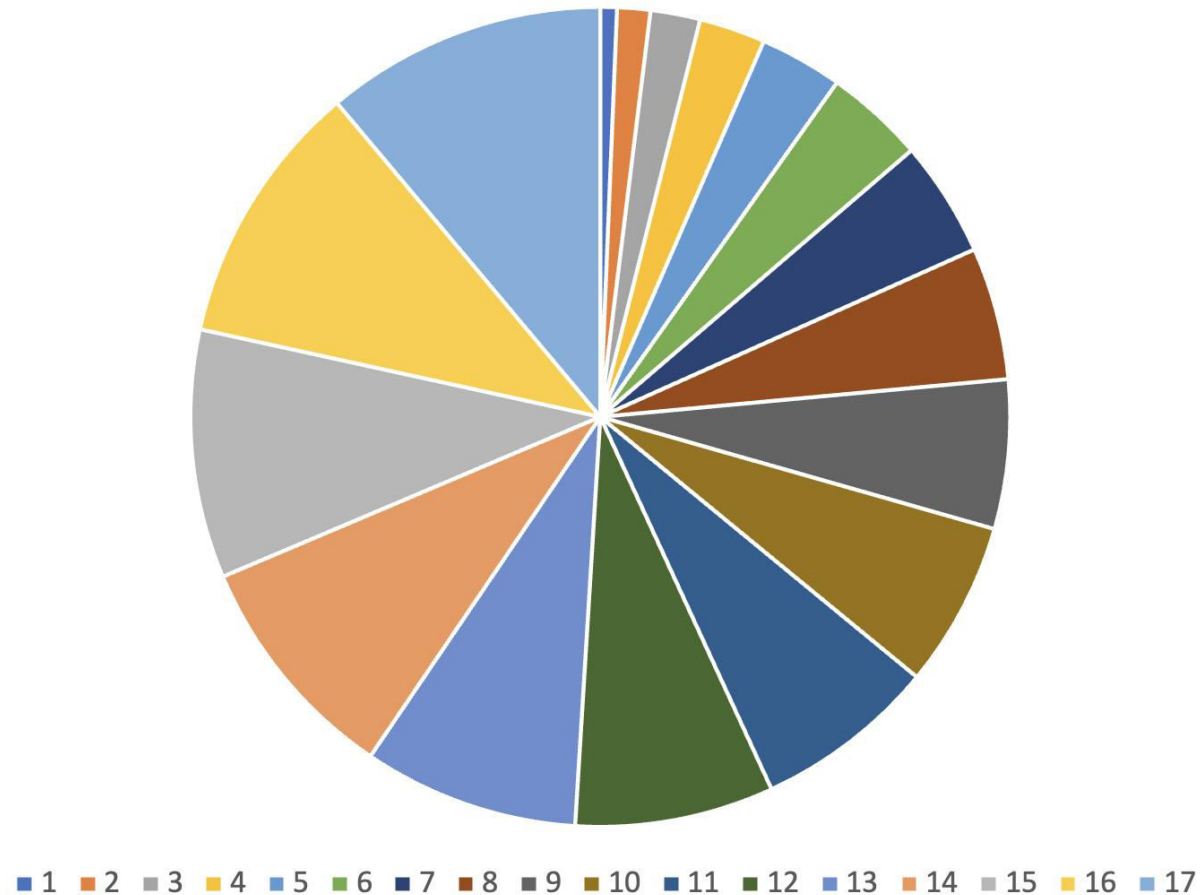
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Sustainability survey: results

ACTIONS RELATED TO UNIVERSITY SERVICES

- Are there any university management initiatives related to sustainability in your university?



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Sustainability survey: results

ACTIONS RELATED TO UNIVERSITY SERVICES

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Are there any university management initiatives related to sustainability in your university?

(If yes, please specify area/sector/staff involved, reference SDGs and enter a brief description of 2000 characters max.)

Area / sector	Staff involved	Reference SDGs	Brief description (2000 characters max.)
Environmental and Climate Protection Management: EMAS - environmental statement and Framework of environmental management	Henning Golüke: Climate Protection Manager	7. Affordable and clean energy; 13. Climate action	<p>EMAS organizations are required to provide the public with regular information on their environmental performance. This includes a description of the operation and, if applicable, the sites, the organization-specific environmental policy, the significant environmental impacts and the environmental program with the specific targets for improving operational environmental protection. The environmental performance data includes the core indicators of energy efficiency, water/wastewater, waste, material efficiency, biodiversity and emissions.</p> <p>Every two years, the European Commission presents the EMAS Award to organizations with exemplary environmental management. HNEE was already honored with this award in 2010, and in 2017 on the topic of "Resource Conservation and Circular Economy" in the category "Public Sector Organization".</p> <p>Within the framework of environmental management, the HNEE has set itself various goals. These include. Economical use of resources, Reduction of negative environmental impacts of the HNE, Transparency in all environmentally relevant processes, Efficient and ecologically oriented use of energy and materials, Informing the public about environmental management at the HNE in order to serve as a role model, Involvement of all university staff and students: practice-oriented teaching and research and regular surveys on environmental management topics.</p>



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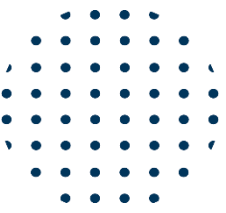
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Survey:

https://docs.google.com/spreadsheets/d/1zUCl0fewTuVM2PCn93_Zjgl46DEKZYSr/edit?usp=sharing&oid=105652402580316003493&rtpof=true&sd=true



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THANK YOU FOR YOUR ATTENTION

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