

TFK programme, funded projects 2022

<p>Project title: Development of multidisciplinary education in circular economy</p>	
<p>Coordinator</p> <p>Itä-Suomen yliopisto</p> <p>Jussi Kukkonen jussi.kukkonen@uef.fi</p>	<p>The applied project (DEDUCE) aims at the implementation of multi educational activities between two departments at the University of Eastern Finland (UEF) and three Indian Institutes of Technology (IITs): IIT Delhi, IIT Dharwad and IIT Guwahati. The core aim of the project is to design a joint series of courses about circular economy, sustainability, and the implications in the development of future environmental technologies with case studies in both countries.</p> <p>The planned courses fall perfectly into the European Commission priorities that are included in the European Green Deal, such as the water reuse regulation and the circular economy action plan.</p> <p>The current educational offers in Finland, as well as in India, hardly offer a multidisciplinary view about the circular economy and sustainability that includes lectures on environmental and agricultural sciences, biology, water treatment, microbiology, social and business sciences and firsthand experiences from two countries from the global North and South. Therefore, the applied project is of high value for current and future students at both UEF in Finland and IITs in India.</p>
<p>Partners</p> <p>University of Eastern Finland, Indian institute of Technology Guwahati, Indian Institute of Technology Delhi, Indian Institute of Technology Dharwad,</p>	<p>In addition, the project will also build on the collaboration already established through the Finnish Indian Consortia for Research and Education (FICORE) project by UEF and the three IITs, entitled “Circular Economy Solutions for Microplastics: Indo-Finnish Scientific Collaboration for Innovation”, supporting the internationalization strategy for Finnish HEs underlined by the Ministry of Education and Culture of Finland.</p> <p>Among the anticipated results of the project are</p> <ul style="list-style-type: none"> • The development of a new, multidisciplinary online course for MSc and PhD students in natural sciences about circular economy, its implementation and its applications. • Laboratory summer school to complement the online lectures at the Department of Environmental and Biological Sciences at UEF in May-June 2023. • Winter school with theoretical and laboratory lectures at IIT Delhi in November-December 2023.

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| | <ul style="list-style-type: none">• Visits of Indian students and staff to Finland for the summer course and visits of the Finnish students and staff to India for the winter school.• A report on the courses is published including selected feature topics• The expansion of the ongoing collaboration among UEF and the three Indian institutes of Technology• The development of joint research ideas and future proposals for funding institutions and the increase of the collaboration network. |
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