

ONLINE COURSE: Sustainable Solutions for Circular Bio-based World, 5 ECTS 27.9.-8.10.2021



Bioeconomy sector is growing rapidly. The purpose is to reduce dependence on fossil resources. Transition to bioeconomy needs knowledge of available possibilities and ability to create new innovations. **This course is created to give answers to these challenges.**

Course is aimed at international master and Ph.D. students and young postdoc researchers, practitioners and professionals from industry or public sector.

After the course:

- ✓ The student will understand the concepts of forest bioeconomy and circularity.
- ✓ The student will learn topical issues of bioeconomy both in Chile and Finland.
- ✓ The student will receive comprehensive overview of environmentally friendly bioeconomy solutions and are able to apply their knowledge to solve problems related to bioeconomy sector.



Organizers:

University of Eastern Finland
Savonia University of Applied Sciences
Karelia University of Applied Sciences
Universidad Católica del Maule of Chile
Universidad de Talca
Universidad Austral de Chile
Universidad de Concepción

Contact persons and more information from the website:

<https://www.biotalouskoulutusitasuomi.fi/en/online-courses/>



Registration

The enrolment for studies is done online with the application form which can be found at the following link:

<https://events.savonia.fi/event/xGVkG>
Deadline for registration is 21.9.2021!

Participation is limited to 42 students.

Fee

There is no fee.

Academic recognition

The course is equivalent of 5 ECTS.

Location

The course will be held online. Platform will be Zoom and DigiCampus.



PROGRAMME

1st week 27.9.-1.10.2021, 2nd week 4.10.-8.10.2021

Timing of lectures at 8-12 am UTC -4 and 3-7 pm UTC +3 (EEST)

Monday 27.9.	Tuesday 28.9.	Wednesday 29.9.	Thursday 30.9.	Friday 1.10.
<p>Introduction to circular bioeconomy</p> <p>Introduction to the course</p> <p>What are the burning questions regarding natural resource in Chile and Finland?</p> <p>Global policy drivers to local solutions: from Rio to Paris and SDG's</p> <p>Concept of circular bioeconomy as a solution?</p>	<p>Sustainable Forest bioeconomy</p> <p>Inventory and management of natural resources</p> <p>Sustainable forest management and climate change</p> <p>Sustainable forest management of natural forest</p> <p>Multiple use of forests</p>	<p>Responsible and smart use of natural resources</p> <p>Enablers and barriers in forest bioeconomy</p> <p>Forest ownership</p> <p>Social responsibility</p> <p>Societies' wellbeing</p>	<p>Opportunities and benefits from forest bioeconomy:</p> <p>Biorefining and innovative forest products</p> <p>Wood based bioenergy and biofuels</p> <p>Wood construction</p> <p>Metrics of sustainability</p>	<p>Future aspects to forest bioeconomy:</p> <p>Future aspects to forest bioeconomy</p> <p>Value networks on forest bioeconomy</p> <p>Social economy, cooperatives networks</p> <p>Bio and circular economy ecosystem development</p>
Monday 4.10.	Tuesday 5.10.	Wednesday 6.10.	Thursday 7.10.	Friday 8.10.
Starting of group work	Group work	Peer review	Finalizing group work and preparation of presentations	Group work presentations