

## **CIBIECO project OPEN SEMINARS (“CIRCULARITY WEEK IN ROVANIEMI”)**

**The seminars are organised by the project "Circular Bio-economy: From Theory to Practice" (CIBIECO) led by the Arctic Centre (University of Lapland)**

Finnish-Argentinian Circularity Weeks in Rovaniemi, Kokkola, Sonka and Pyhätunturi includes seminars, workshops and an intensive course on 'Circularity in Polar regions: From theory to practice' for Finnish and Argentinian students, taught by teachers from four Finnish and Argentinian universities. Some seminar sessions during the Circularity Week in Rovaniemi are open to everybody. Researchers, lecturers, students and local partners who apply circular approaches in their economic activities are among the seminars' participants.

**CIBIECO project** focuses on the ideas of the circular bio-economy and their practical implementation in two polar regions – Finland (Lapland and Ostrobothnia) and Argentina (Tierra del Fuego and Cordoba). It combines research, teaching and local communities working life. The comparative aspect of the project reinforces the question of the ways of ‘translating’ circular concepts and approaches into practice, their benefits and limits in the context of a spatial and cultural application.

### **OPEN SEMINARS:**

**May 22, *Circular practices in Finland and Argentina***, Arctic Centre, coffee room

14:00 – 14:05 – *CIBIECO introduction to the Arctic Centre staff*. Dr Anna Stammler-Gossmann. (Arctic Centre, University of Lapland) [Click here to join the meeting](#)

14:05 – 14:30 *What happens with the waste that we produce in Rovaniemi and Lapland? Local practices of waste utilisation*. Teemu Loikkanen, (PhD candidate, University of Lapland)

**From 14:30**, Arctic Centre Thule room ([Click here to join the meeting](#))

14:45 – 15:15 – *Personal practices of living sustainably*. Christian Lankinen, (environmentalist, local resident, Rovaniemi)

15:15 – 15:45 - *Circular economy and social impacts in Rio Cuarto*. Prof. Arnaldo Soltermann (UNRC, University of Rio Cuarto, Rio Cuarto)

15:45 – 16:15 - *Circular practices in waste management and food production: Projects at the University of Tierra del Fuego*. Dr Marilina Penalva and Dr Alejandro Valenzuela (UNTDF, National University of Tierra del Fuego)

**May 23, Tuesday** Arctic Centre, Thule room, ([Click here to join the meeting](#))

10:00 – 10:30 – *The agro-industrial waste recovery as an approach to circular bioeconomy* Prof. Arnaldo Soltermann, (UNRC, National University of Rio Cuarto, Rio Cuarto)

10:30 – 11:00 – *The empire of colors*. Documentary film (25 min). Marcos Altamirano (audio-visual production manager, UNRC, University of Rio Cuarto, Rio Cuarto)

11:00 – 11:30 – *Evaluation of the biomass resources for the generation of renewable energy.* Dr Marilina Penalva (UNTDF, National University of Tierra del Fuego)

11:30 – 12:00 - *Circular economy at the End of the World: Strategies for waste valorization and material circulation on Tierra del Fuego Island, Argentina* Juan Noriega (student Environmental Science, UNTDF, Ushuaia)

12:00 – 12:30 - *Environmental Management of the Argentine Antarctic Bases in the territory of the Province of Tierra del Fuego, Antarctica and South Atlantic Islands.* Nora Jara (student, Ecology, UNTDF, Ushuaia)

12:30 – 14:00 Lunch break

14:00 -14:30 - *Perspectives on circularity and the bio-economy,* Dr Dele Raheem (Arctic Centre)

14:30 – 15:00 – *Circular Economy transition in cities and municipalities in Northern Europe: From policy to implementation by utilising sustainable investments* Dr Adrian Braun (University of Applied Sciences, LAMK, Rovaniemi)

15:00 - 15:30 – *Circularity in Legislation: A step towards a circular economy* Dr Marlene Payva (Arctic Centre, University of Lapland)

**May 25, Thursday, *Circular approaches in food industry, Thule room* ([Click here to join the meeting](#))**

9:00 - 9:30 – *From a plant to the crops: Added value of waste and by-products of the soybean oil production. An opportunity of the circular economy in the Argentinian agro-economics system* Evangelina Seitien (PhD candidate, Chemical Sciences, Urban territorial development studies, UNRC, National University of Rio Cuarto)

9:30 – 10:00 – *Stevia: Crop production, processing and possible uses of the stevia extractions.* Prof. Arnaldo Soltermann (UNRC, University of Rio Cuarto, Rio Cuarto)

10:30 -11:00 - *Food waste, circularity and industry 4.0.* Dr Dele Raheem (Arctic Centre, University of Lapland)

**May 26, Friday, *Circularity in Nature based economies, Borealis room* ([Click here to join the meeting](#))**

9:00-9:30 - *Wild berries in forest multiuse and circular economy* (Dr Rainer Peltola, Natural Resources Institute Finland (LUKE))

9:30- 10:00 – *Co-designing the climate service for snow making* (Ilona Mettiäinen, researcher, Arctic Centre)

10:00 – 10:30 - *Circular approaches in winter tourism: snow making in Lapland* (Niko Niemisalo, EU Project Specialist, Senior Project Manager, Arctic Snow, Lapin AMK, University of Applied Sciences)

10:30 – 11:00 - *Storing the snow over summer in Ruka Ski Resort.* Jusu Toivonen, Ski Resort Manager and Sustainability Specialist, Pyhä and Ruka Ski Resorts).

11:00 – 11:30 - *Consumption ideology in the tourist sector: Experiences from Lapland*. Krista Perälä. (student, Faculty of Social Science)

11:30 – 12:00 - *Social dimensions of biological invasion: Insights from Tierra del Fuego, Argentina* Dr Alejandro Valenzuela (UNTDF, National University of Tierra de Fuego, Ushuaia)

12:00 – 13:00 Lunch

13:00 – 13:30 – *Finding a good mine tailing cover for Arctic conditions and the role of circular economy*. Dr Marja Uusitalo (LUKE)

13:30 – 14:00 *Sami handy craft and circular economy*. Aki Aikioniemi (student, Faculty of Art and Design, University of Lapland)

14:00 – 14:30 break

14:30 – 15: 00 *Urban environment: Arctic garden botanical experience* Prof. Monica Tennberg (Arctic Centre, University of Lapland)

15:00 – 16:00 – walk in the Arctic garden (Prof. Monica Tennberg)

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### **SHORT BIOS OF STAFF FROM ARGENTINA:**

#### **1. Prof Arnaldo T. Soltermann**



National University of Río Cuarto (UNRC), Professor at Chemistry Department and Philosophy Department; theatre actor and director from 1994 till now; President of Initia Ltd. (workers co-operative). Main research lines: Agro-industrial waste treatments and value recovering; stevia culture, products and its effects on animal health. Social economy and local development; Sonochemistry and ROS generation.

#### **2. Marcos Altamirano**



National University of Río Cuarto (UNRC), Faculty of Human Sciences, Social Communicator, Manager and Audio-visual Producer. He was responsible of the Art and Culture Direction of UNRC (2012-2015). He is working at Human Sciences Faculty at the Communication Department where he is performing his research, teaching and extension activities.

### **3. Prof. Marilin Peñalva**



National University of Tierra del Fuego (UNTDF), geologist with extensive work experience in environmental risks. She currently works at Institute of Polar Sciences, Environment and Natural Resources of the National University of Tierra del Fuego (UNTDF) as a Professor-Researcher. She has also developed an expertise in geospatial analysis using GIS which provided the opportunity to be part of a team in project developed in Argentina by the Food and Agriculture Organization (FAO) which analyses the distribution of biomass and energy requirements to define areas with surplus or deficit regarding natural resources available for energetic use.

### **4. Prof. Alejandro Valenzuela**



National University of Tierra del Fuego (UNTDF), Wildlife biologist focused in Biodiversity Conservation through a social-ecosystemic approach including the social dimensions of conservation. Currently, Assistant Dean for Academic Affairs and Professor of Conservation Biology in the Institute of Polar Sciences, Environment & Natural Resources of the National University of Tierra del Fuego, and Research Scientist in the National Scientific and Technical Research Council.

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