

From Impact to Action: Transforming Experimental Labs for a Sustainable Future - Full Programme

November 2

Day 1. Climate change and impact of research.

Session 1: planetary boundaries

9.00 - 9.15 Welcome/Introduction

9.15 - 10.30 Eric Lambin (UCLouvain)
Up-scaling solutions to stay within planetary boundaries

11.00 -12.30 Jeroen Dobbelaere (University of Vienna/ISTA)
How to do research withing the planetary boundaries

Lunch

Session 2: Climate knowledge and climate communication

13.30 - 16.30
Climate Fresk UCL team of Valentin Couvreur Team (UCLouvain)

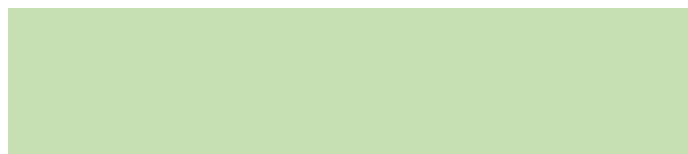
EN-Roads Jeroen Dobbelaere (University of Vienna/ISTA)

Session 3: Climate knowledge and climate communication

16.30 – 17.00 Make Working Groups
Lab protocols, mobility, how to embrace change, social responsibility, ...

17.00- 17.30 Sustainability report presentations

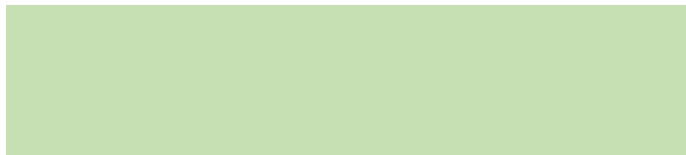
17.30 - Cheese & Beer and ice breakers-
constitution of the work groups. It would be based
on their speciality/position in their career.



November 3

Day 2. Stakeholders and change management
Session 1: Integrating sustainability in our operations
8.30 – 10.15: https://www.mantisconsulting.be/) Jens Verhiest/ Luc machiels CSRD and double materiality matrix analysis
10.30—11.30 Riet van de Velde (UGent, Belgium)) Sustainability Transition in Universities: A Whole Institutional Approach
11.30 - 12.30 Xavier Lepot (head of the research administration, UCLouvain) Funding research versus the need to reduce our footprint -
12.30 - 13.00 - Debate
Lunch
Session 2: Footprint of Computing
13.30 – 15.00 Loic Lannelongue (Cambridge University) Environmental Impacts of Big Computing
15.00-16.15 Jelle Vekeman (Antwerpen University, Belgium) Balancing accuracy and computational cost in computational chemistry
Session 3: Working Groups
16.15- 16.45 Impuls talks: Selected Presentation of the transition/sustainability reports from 2-3 institutions
16.45 – 17.30 Group meetings





November 4	
Day3. Carbon and other footprints	
Session 1: Carbon Footprint of research	
9.00- 10.30 Team UCLouvain LCA analysis of research equipment and consumables	
10.30 – 12.00 Andre Esteveztorres (Lille University and Labo1,5) footprint and mitigations scenarios of research laboratories	
Lunch	
Session 2: Hands-on Carbon accounting	
13.00 - 16.00 Workshop on carbon accounting in practice / LCA analysis Trainer: Team UCLouvain/ Labo 1.5	
Session 3: Working Groups	
16.30 – 18.00 Group meetings	



November 5

Day 4: Green Labs

Session 1: Green lab practices

9.00-10.15 Damien Debecker (UCLouvain)
Green Chemistry

10.15 – 11.30 Thomas Freese, (Groningen university)
How Groningen's labs are going green

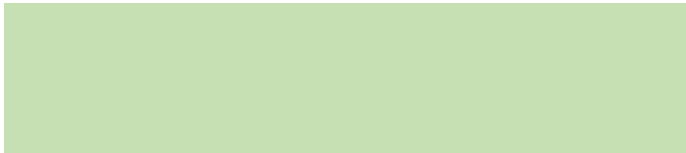
11.30-12.45 Melina Kerou (University of Vienna/Green Labs Austria and SELS)
Greening Biological Research. From one lab to a network

Lunch

Session 2: Lab Visit

14.00 – 16.30 External Visit of facilities that are in the LEAF (Earth & Life Institute, UCLouvain) and MyGreenLab (private company)





November 6

Day 5 : Sustainable lab of the future

Session 1: Design the lab of the future

9.00 - 10.30 Cleophea Michelsen (Merck)
Green Redesigning of consumables and chemicals

11.00 – 12.30 Thomas Freeze (University of Groningen and CEO Circolide)
The Relevance of Sustainable Laboratory Practices and Green Labs

12.30 – 13.30 Lo Matthys (Vulgaire Lab)
A practical communication canvas for researchers: clarifying purpose, audience and message

Lunch

Session 2: Project presentations

14.30 - 15.00 Philippe Lamberts. What does the EU green deal mean for science (EU commision)

15.00 – 15.45 Project presentations

15.45 - 16.00 Concluding remarks and discussion

