

Towards a just and habitable world: EXPLORING THE ROLE OF TECHNOLOGY

Tuesday 2 June

13:00 - 13:30 Welcome desk

13:30 - 14:45 Opening Forum Plenary session

- **Jennie Stephens**, *National University of Ireland Maynooth*: "Climate Justice Universities: Reclaiming Education and Research for the Public Good"
- **Benoît Frund**, *University of Lausanne*: *Title tbd*
- **Andreas Heinimann**, *Wyss Academy*: "From collaborative research networks towards mission oriented coalitions for change"

14:45 - 16:15 Opening Forum Parallel workshops

- WS 1: Transforming university pedagogy and territories for sustainability
- WS 2: Defending research and higher education as public goods
- WS 3: Rethinking international research collaboration and networks

16:15 - 16:35 Coffee break

16:35 - 17:30 Opening Forum Final Plenary session

17:30 - 18:30 UNIL campus visits

18:30 - 21:00 Welcome apéro

Wednesday 3 June

8:30 - 9:00 Welcome desk

9:00 - 9:30 Opening remarks

- **Benoît Frund**, *UNIL Vice-Rector*
- **Anne-Paule Roqueplo**, *Vice President, in charge of research, Université Paris-Cité*
- **Gerhard Krinner**, *Scientific director of the Institute for Earth Sciences, CNRS*

9:30 - 11:00 Plenary session

Technologies to Address Environmental Change: Perspectives on Justice

- **Sofia Avila**, *National Autonomous University of Mexico*
- **Jennifer Gabrys**, *University of Cambridge*

Chairs: Nathalie Blanc, Centre des Politiques de la Terre, CNRS and Anke Schaffartzik, Central European University

11:00 - 11:30 Coffee break

11:30 - 13:00 Parallel Session 1

13:00 - 14:30 *Lunch break*

14:30 - 16:00 Parallel Session 2

16:00 - 16:30 *Coffee break*

16:30 - 18:30 Plenary session

Phasing out harmful technologies: How would that affect wellbeing?

- **Stefan Pauliuk**, *University of Freiburg*: “Phasing out harmful technologies – the socio-metabolic perspective”
- **Melanie Pichler**, *BOKU University, Vienna*: “The phase out of fossil fuels between backsliding and providing wellbeing for all”
- **Yamina Saheb**, *Sciences Po Paris*: “After the Fossil Capital: Sufficiency and the metamorphosis ahead”

Chairs: Helmut Haberl, BOKU, University of Vienna and Julia Steinberger, University of Lausanne

Thursday 4 June

08:00 - 08:30 Welcome desk

08:30 - 10:30 Plenary session

Reclaim, scrap, salvage: Technologies in the hands of the public

- **Steffen Dalsgaard**, *University of Copenhagen*: “Contrasting approaches to green transitions: Salvage, solve, subvert”
- **Jennie Stephens**, *National University of Ireland Maynooth*: “Climate Justice and Energy Democracy: Resist, Reclaim and Restructure”
- **Noortje Marres**, *University of Warwick, University of Amsterdam*: “The challenge of agency in postnormal times”

Chairs: Pierre Cornu, INRAE and Gabriel Dorthe ETH Zürich & Research Institute for Sustainability at GFZ

10:30 - 11:00 *Coffee break*

11:00 - 12:30 Parallel Session 3

12:30 - 13:45 *Lunch break*

13:45 - 14:45 Parallel Session 4 & Poster session

14:45 - 15:00 *Break*

15:00 - 16:30 Parallel Session 5

16:30 - 17:00 *Coffee break*

17:00 - 18:30 Plenary session

Between Experience and Anticipation: Technological Promises for a Sustainable Earth

- **Sheila Jasanoff**, Harvard Kennedy School

With comments by:

- **François-Xavier Hutteau**, University of Geneva
- **Vanessa Weihgold**, Tübingen University

Chair: Maud Deves, Centre des Politiques de la Terre, Paris Cité University

19:00 - 22:00 Festive soirée at Unil

Friday 5 June

08:00 - 08:30 Welcome desk

08:30 - 10:30 Plenary session

Geoengineering and synthetic biology: attractive and contested

- **Stefan Schäfer**, Research Institute for Sustainability, Helmholtz Center Potsdam: "Carbon Management and the Politics of Limits"
- **Jane Calvert**, University of Edinburgh: "Is another synthetic biology possible?"
- **Angelika Hilbeck**, ETH Zurich: "Outdated science and lucrative business models in biotechnology"
- **Kevin Noone**, Stockholm University: "Is More Research Always a Good Thing?"

Chairs: Wolfgang Cramer, CNRS and Thomas Potthast, University of Tübingen

10:30 - 11:00 Coffee break

11:00 - 12:30 Parallel Session 6

12:30 - 13:00 Closing remarks

Overview of parallel sessions

For full detailed descriptions, please visit the [conference main website](#).

Session 1 | 11:30-13:00 Wednesday 3 June

Strengthening Feedbacks in Social-Ecological Systems: AI-Enabled Knowledge

Infrastructures Room: NEF-121

Format: Workshop

Alta De Vos, Stellenbosch University

Marginalized bodies: technologies through the lens of gender

Format: Thematic session Room: NEF-125

Isabelle Hillenkamp, Institut de Recherche pour le Développement; Nathalie Blanc, Université Paris Cité; Laurence Maurice, Institut de Recherche pour le Développement; Mieko Tarrius, Université Paris-Est Créteil (UPEC)

Operationalizing Energy Justice: Social Sciences and Quantitative Modeling

Format: Workshop Room: NEF-122

Arthur Clerjon, CEA; Emmanuelle Santoire, École nationale des ponts et chaussées; Justine Duval, CEA Grenoble LITEN

Water for all? Habitability at times of water stress in an era of polycrisis

Format: Thematic session Room: NEF-126

Maud Devès, Université Paris Cité; Pierre Courtioux, De Vinci Higher Education (DVHE-EMLV); François Flor, NGO Solidarités International; Omeya Desmazes, Ecole Nationale des Ponts et Chaussées, France; Nicolas Morand, Helvetas Swiss Intercooperation; Frank Poupeau, CNRS

Technology, decoupling, and human well-being in a post-growth world

Format: Thematic session Room: NEF-271

Lea Tamberg, University of Lausanne; Suryadepto Nag, University of Lausanne; Vivien Fisch-Romito, University of Lausanne; Jean-André Davy-Guidicelli, University of Lausanne; Joel Millward-Hopkins, University of Lausanne

Sustainability governance through the SDGs: How has it fared?

Format: Thematic session Room: NEF-233

Sascha Stark, Forschungszentrum Jülich; Rega Sota, RWTH Aachen University; Kavita Surana, Vienna University of Economics and Business (WU Vienna); Thomas Bolognesi, Grenoble Ecole de Management

Social-Ecological Innovations in Infrastructure System Transformations: Knowledge, Resilience, and Contested Pathways

Format: Workshop Room: NEF-232

Martin Zimmermann, Institute for Social-Ecological Research; David Kuhn, Institute for Social-Ecological Research; Fanny FRICK-TRZEBITZKY, Institute for Social-Ecological Research (ISOE)

Overcoming Technology Blindness: A Democratic Dialogue on Sustainability

Format: Workshop Room: NEF-123

Steve Keirl, Goldsmiths University London; Jordi Segalas, Research Institute of Sustainability Science and Technology, Universitat Politècnica de Catalunya

What possibilities are overlooked in our current approach to modeling the climate of the future?

Format: Workshop Room: NEF-129

Eulàlia Baulenas, Barcelona Supercomputing Center; Guillemette Legrand, Basel Academy of Art and Design; Ania Kawiecki Peralta, Barcelona Supercomputing Center

Which technology for a society of wellbeing and sufficiency?

Format: Workshop Room: NEF-231

Sascha Nick, EPFL; Claudia R. Binder, EPFL; Andrew Sonta, EPFL; Stefan Pauliuk, University of Freiburg

Session 2 | 14:30-16:00 Wednesday 3 June

Towards sufficiency in water management: what role for technologies and infrastructures?

Format: Thematic session Room: NEF-121

Gersende Fernandes, INRAE; Aida Arik, INRAE; Jason GRANADOS MORALES, Grenoble Alpes University; Yamina Saheb, Sciences Po Paris (tbd)

How much / which technology for resilient provisioning systems?

Format: Thematic session Room: NEF-125

Magdalena Klotz, BOKU University; Anke Schaffartzik, Central European University; Sarah Ware, Central European University; Helmut Haberl, BOKU University; Ambika Sairam, Central European University; Christoph Helbig, University of Bayreuth; Dominik Wiedenhofer, BOKU University; Magdalena Filter-Pieler, BOKU University; Shonali Pachauri, IIASA; Sofia Avila, National Autonomous University of Mexico

Sustainability Theatre: Role-Playing Blockchain and the Governance of Cold

Format: Workshop Room: NEF-122

Manuel Harms, Paderborn University; Anastasia MARGARITI-BÖRGEL, Paderborn University

Shifting grounds: Critical raw materials between technological change and geopolitical reordering

Format: Thematic session Room: NEF-126

Felix M. Dorn, BOKU University; Aleksandra WOJEWSKA, University of Vienna; Erika Faigen, University of Vienna; Jonas Köppel

Living in Consumption Corridors: sufficiency and wellbeing for housing and beyond

Format: Thematic session Room: NEF-232

Marlyne Sahakian, University of Geneva; Sylvia Lorek, Sustainable Europe Research Institute; Sascha Nick, EPFL; Mallory Zhan, Sciences Po Paris; Stefanie Maeder, LMU Munich

Living forces against the nonliving: Biological impacts and material artifacts

Format: Workshop Room: NEF-129

Clément Lasselin, Lund University

Undisciplined Life: When Technological Infrastructures Lose Control

Format: Thematic session Room: NEF-271

Olivier COUTARD, CNRS; Nathalie Blanc, Université Paris Cité, Centre des politiques de la Terre; Joëlle SALOMON CAVIN, University of Lausanne; Antoine GUIBAN, University of Lausanne

Health, Equity, and Well-Being: What Role for Sufficiency vis-a-vis Technology?

Format: Thematic session Room: NEF-233

Kévin Jean, IBENS – Ecole Normale Supérieure; Micheline Pham, IBENS – Ecole Normale Supérieure; Alice Meunier, CNRS, Institute of Biology, École Normale Supérieure; Nicolas Senn, University of Lausanne; Aurore Fransolet, Université libre de Bruxelles

Governance of climate technologies: Between acting fast and acting carefully

Format: Thematic session Room: NEF-123

Livia Fritz, University of Geneva; Juanita von Rothkirch, Research Institute of Organic Agriculture (FiBL); Olivier Ejderyan, Research Institute of Organic Agriculture (FiBL); Lucilla Losi, Aarhus University; Samuel Fabbri, Research Institute of Organic Agriculture (FiBL)

Wind at Stake: Role-Playing Game on Power and Justice in the Energy Transition

Format: Workshop Room: NEF-231

Cristina Pérez-Sánchez, ICTA- Universitat Autònoma de Barcelona

Session 3 | 11:00-12:30 Thursday 4 June

Rethinking Sponge Cities, from technological substitution to grounded Nature-based Solutions

Format: Workshop Room: NEF-232

Tieza Mica Santos, Technische Universität Dresden, Erich Wolff, Utrecht University

Solidarity Tech for Just Sustainability: Building Bridges Between Critical Research Initiatives

Format: Workshop Room: NEF-122

Adnan Mirhanoglu, Department of Earth System Sciences

Collaborative research's role in exploring digital technology and social-ecological sustainability

Format: Thematic session Room: NEF-126

Johann Recordon, Competence Center in Sustainability (CCD), University of Lausanne; Cléolia Sabot, University of Lausanne

Democracy After Neoliberalism: Reclaiming Technology and Ethics

Format: Thematic session Room: NEF-129

Ben Hinder, University of Lausanne; Lorenz Keyßer, University of Lausanne; Lea Tamberg, University of Lausanne; Julia Steinberger, University of Lausanne

Retrofutur Pathways: Low-Tech, exnovation and the governance of technological futures

Format: Thematic session Room: NEF-233

Cédric Carles, Atelier 21; Michka Melo, EPLF; Marie Dupontavice, EPLF; Mélanie Thomas, Association Fablab Chaux-de-Fonds; Theo Visbecq, Low-Tech Lab

Follow the Money: How EU Research Agenda Influences the Future of Society

Format: Workshop Room: NEF-125

Aude Lapprand, Sciences Citoyennes; Anna Lewicki, Sciences Citoyennes

Endless possibilities in the age of climate collapse

Format: Thematic session Room: NEF-123

Rolien Hoyng, Lancaster University; Antoine Traisnel, Oxford University; Monika Halkort, University of Applied Arts, School for Transformation; Naomi Jacobs, Lancaster University; Anna Watkins Fisher, King's College London; Güneş TAVMEN, King's College London

Ma Terre' workshop: A cooperative serious game to support research labs in socio-environmental transitions

Format: Workshop Room: NEF-231

Guillaume Gouget, Centre National de la Recherche Scientifique

Welcome in the Nitrocene

Format: Workshop Room: NEF-121

Marine Legrand, Ecole Nationale des Ponts et Chaussées; Jérôme Santolini, CEA; Anaïs Tondeur; Ewa Zlotek-Zlotkiewicz

Session 4 | 13:45-14:45 Thursday 4 June

Beyond digital determinism: From corporate-led technologies to community-driven innovation

Format: Thematic session Room: NEF-232

Saskia Colombant, IPES-Food and Caroline Wahome, Kenyatta University

Limiting technologies through the lens of international law and research

Format: Thematic session Room: NEF-121

Amela Skiljan, University of Kassel; Angelika Hilbeck, ETH Zürich; Brian Wynne, Lancaster University

Post-growth in practice: low-tech approaches in natural sciences and engineering

Format: Thematic session Room: NEF-122

Marie-Hélène PIETRARU, Université de Toulouse, CNRS; Marion Rouillet, Atelier CIRCULR

Governing Space Technologies for Climate: Power Asymmetries, Gender Aspect and the need for Space diplomacy for the Planetary Resilience

Format: Workshop Room: NEF-123

Jelena Magnin, HelvetiSpace

Climate Engine: A Cosmogrammatic Reading of Earth's Digital Twin

Format: Cultural event **Room:** NEF-231

Guillemette Legrand, Basel Academy of Art and Design

Session 5 | 15:00-16:30 Thursday 4 June

The technological imperative, its historical roots: the example of agriculture

Format: Thematic session **Room:** NEF-121

Denise Battaglia, University of Applied Sciences and Arts Northwestern Switzerland (FHNW); Ephraim Pörtner, Critical Scientists Switzerland; Johanna Jacobi, ETH Zürich; Silva Lieberherr, Critical Scientists Switzerland

Solar Futures: A Global Dialogue on a Just Energy Transition

Format: Thematic session **Room:** NEF-122

Maria Piquer-Rodriguez, Freie Universität Berlin; Mónica Barcenas-Pazos, MHEI, Freie Universität Berlin; Karla Cedano, IER, UNAM; Franziska Ellen Walther, ETH Zürich; Eric Lambin, UC Louvain

Fixing Nature? Technological green claims as matters of concern and care

Format: Thematic session **Room:** NEF-126

Nolwenn Bühler, University of Lausanne; Mylène Tanferri; Valérie Boisvert; Alain Müller; Patrick Bieler, Technical University of Munich; Ruzana Liburkina, Universität Hamburg; Anna Geiser, FiBL Research Institute of Organic Agriculture; Oriana Rainho Brás, Universidade de Lisboa; Sofia Bento, Universidade de Lisboa; Paul Vendôme, University of Montpellier; Steffen Dalsgaard, IT University of Copenhagen; Rusha Das, Indian Institute of Management-Bangalore

Beyond 2030: Rethinking sustainability science and its relations to technology for just transitions

Room: NEF-123

Format: Thematic session

Sebastian Sonntag, German Committee Future Earth; Thomas Potthast, University of Tübingen; Britta Renner, University of Konstanz; Jakob Rhyner, University of Bonn; Bernd Siebenhühner, University of Oldenburg

Imagine 2050: Exploring Transition Pathways Through a Strategic Planning Game

Format: Workshop **Room:** NEF-231

Leo Primavesi, UTC Paris, Sorbonne Alliance, HWR; Jonas Kampus, Sorbonne Université

Exploring the “mining revival for energy transition” in Europe

Format: Workshop **Room:** NEF-125

Guilhem Juteau-Martineau, GET-CNRS; Laurence Maurice, IRD; Juliette Cerceau, IMT-Mines Alès

Fossil entanglements: technological knots between the oil industry and French agriculture (1945-present)

Room: NEF-233

Format: Thematic session

Adèle Huguet, Nantes Université; Jules Calage, EPFL; Etienne Dufour, Université Panthéon-Sorbonne, Laboratoire Géographie-cités

How to live in a low-tech community?

Format: Workshop **Room:** NEF-129

Benjamin Dufossé, Le CNAM Paris

Beyond the Techno-Fix: Redefining Business Intentions in Technology Design for a Just and Habitable World

Format: Workshop Room: NEF-232

Adina-Iuliana Deacu, Tianmei World Academy

Session 6 | 11:00-12:30 Friday 5 June

Synthetic biology for nature conservation in context – appropriate means for which ends?

Format: Workshop Room: NEF-121

Thomas Potthast, International Center for Ethics in the Sciences and Humanities (IZEW), University of Tübingen

When does technology become techno-fix: the example of assessing marine geoengineering

Format: Thematic session Room: NEF-232

Lieske Voget-Kleschin, Kiel University; Christian Baatz, Kiel University; Lukas Tank; Barbara Muraca, Oregon State University; Dominic Roser, University of Fribourg

Land Conversion and the Politics of Technology in Ecological Transitions

Format: Thematic session Room: NEF-122

Emilie CREMIN, Université de Lausanne; Jinat Hossain, University of Zurich; Alexander VORBRUGG, University of Bern; Christoph Kubitz, German Institute for Global and Area Studies (GIGA); Mathilde Vandaele, University of Lausanne; Chitrangada Choudhury, University of Zurich; Christian Kull, University of Lausanne; Aye Chan Maung, WISS academy, University of Bern

The scalar politics of technology, infrastructure, and transboundary river basins

Format: Workshop Room: NEF-129

Tieza Mica Santos, Technische Universität Dresden

CONVIVIAL TECHNOLOGIES: Radically Re-Orienting Technologies towards Connectedness and Humility

Format: Thematic session Room: NEF-126

Ephraim Pörtner, Critical Scientists Switzerland; Tamara Lebrecht, ETH Zurich; Stefan Wolf

Exploring low-tech energy solutions to satisfy decent living while staying within planetary and societal boundaries

Format: Thematic session Room: NEF-231

Antonio Bontempi, Institut de Ciència i Tecnologia Ambiental – Universitat Autònoma de Barcelona (ICTA-UAB); Julia Steinberger, University of Lausanne; Dominik Wiedenhofer, BOKU University; Adrián Almazán, Universidad Carlos III Madrid (UC3M)

Rethinking Technological Sovereignty through Planetary Thinking: Europe, the Technosphere, and Ecological Redirection

Format: Thematic session Room: NEF-233

Elodie René, Ananké research cooperative (Net-Lab); Alexandre Monnin, POPSU Transition; José Halloy, LIED

No Either-Or: Negotiating socio-technical pathways under uncertainty and justice

Format: Workshop Room: NEF-125

Dominik Gallenberger, Leopold Franzens University Innsbruck