

From Modeling to Strategic Decision-Making Facing Planetary Boundaries Agenda

DAY 1: MONDAY 24 JUNE 2024		
OPENING SESSION : FROM ASSESSMENT TO DECISION MAKING		
9.00 - 9.10	Béregère Dubrulle, Ecole de Physique des Houches	Welcome and introduction to the school
9.10 - 9.20	Jean-Marc Jancovici, Carbone 4	Introduction to the workshop
9.20 - 10.05	Nadia Maïzi, MINES Paris PSL	Enlighting the future: challenges of a climate prospective approach
10.05 - 10.50	Thomas Gauthier, em Lyon	A brief history of the future
Break (10.50 - 11.05)		
INTERDISCIPLINARY PERSPECTIVE: ACTING IN THE ANTHROPOCENE		
11.05 - 11.15	Organising Committee	Introduction to the session
11.15 - 12.15	Alain Grandjean, Carbone 4 (online) Patrick Criqui (CNRS Université Grenoble Alpes)	Setting common grounds - Introducing models: Introductory remarks and Q&A
Lunch (12.30 - 13.30)		
FREE TIME (13.30 - 16.00)		
16.00 - 17.00	Valéry Michaux, Néoma Elisa Lanzi, OCDE	Setting common grounds - Introducing scenarios: Introductory remarks and Q&A
17.00 - 18.00	Thomas Gauthier, em Lyon Nicolas Nova, HEAD Genève	Setting common grounds - Introducing decision making: Introductory remarks and Q&A
Break (18.00 - 18.10)		
18.10 - 19.00	Olivier Hamant, INRAE	From the Anthropocene to the Symbiocene: Learning from biological robustness (online)
Welcome reception and dinner (19.00 - 20.30)		
20.45 - 21.00	Organising Committee	Launch of poster session
21.00 - 22.00	Florent Parmentier, CEVIPOF	Deciding in the age of anthropocene: a geopolitical perspective

DAY 2: TUESDAY 25 JUNE 2024**THEME 1: MODELING IN ANTHROPOCENE - FROM PHILOSOPHICAL TO TECHNICAL****Session 1.1. Should there be a paradigm shift in how models are designed and used in the context of the anthropocene?**

9.00 - 9.05	Organising Committee	Introduction to the session
9.05 - 9.40	Roger Fouquet, National University of Singapore	Long run perspectives on energy and climate change (online)
9.40 - 10.15	Gaël Giraud, LIED	From thermo to climate via macro-economy (online)
10.15 - 10.50	Olivier Vidal, ISTERre Grenoble	Can we turn energy into money?

Break (10.50 - 11.05)

11.05 - 12.00	Roundtable. How to manage uncertainties and shocks? How to test and validate models ? <ul style="list-style-type: none">• Patrick Criqui, CNRS Université Grenoble Alpes• Emmanuel Hache, IFPEN• Olivier Vidal, ISTERre Grenoble
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12.00 - 12.25	Presentation of the Thursday workshops
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Lunch (12.30 - 13.30)**FREE TIME (13.30 - 16.00)****Session 1.2. What are the big technical challenges for modeling in the anthropocene?**

16.00 - 16.05	Organising Committee	Introduction to the session
16.05 - 16.50	Julien Lefèvre, CIRED	A deep dive into the model toolbox: capabilities and gaps in Integrated Assessment Models
16.50 - 17.35	Paul Brockway, University of Leeds	The need for biophysically consistent models

Break (17.35 - 17.45)

17.45 - 18.30	Carey King, University of Texas	Fully integrating the biophysical into macroeconomics: how much is enough?
18.30 - 19.15	Louis Delannoy, Royal Swedish Academy of Sciences and Stockholm Resilience Centre	Revamping integrated modelling and community processes to address injustices in the polycrisis era

Dinner (19.30 - 20.30)

DAY 3: WEDNESDAY 26 JUNE 2024**THEME 2: SCENARIOS AND THE ANTHROPOCENE: HOW TO LOOK INTO POSSIBLE FUTURES ?****Session 2.1. How do the challenges of the anthropocene transform how we build transition scenarios?**

9.00 - 9.05	Organising Committee	Introduction to the session
9.05 - 9.50	Antoine Godin, AFD	Strong Sustainability : can models be transformative ?
9.50 - 10.35	Béatrice Cointe, Mines Paris PSL CSI	Modelers of 'the possibility space': how global climate futures are made

Break (10.35 - 10.50)

10.50 - 11.35	Pierre-Baptiste Goutagny, Carbone 4, Strate Design School and em Lyon	Framing Transitions: Scenarios and Design for the Strategic Redirection of Companies within Planetary Boundaries
11.35 - 12.20	Michel Lepetit, The Shift Project	The unpredictable global home (re)insurance market failure since 2022 : climate, monetary and economic causes. Risk scenarios for the residential market worldwide

Lunch (12.30 - 13.30)**FREE TIME (13.30 - 15.30)**

15.30 - 15.35	Organising Committee	Introduction to the afternoon
15.35 - 16.35	Roundtable : Dealing with complex transformational scenarios - focus on the integration of social aspects including food transitions <ul style="list-style-type: none"> ● Petros Chatzimpiros, Université Paris Diderot ● Aline Mosnier, Sustainable Development Solutions Network ● François Briens, ex- Mines Paris Tech ● Diane Beaulieu, CNAM 	

Session 2.2. How are the main transition scenarios built, by whom and why?

16.35 - 16.45	Organising Committee	Introduction to the session
16.45 - 17.20	Jean-Louis Bergey, Ademe	Prospective modeling in the service of political decision-making and imagination

Break (17.20 - 17.30)

17.30 - 18.05	David Game, RTE	Modelling, scenarios and decisions : a look back at "Les Futurs Énergétiques 2050"
18.05 - 18.40	Caroline Nowacki, Carbone 4	IF initiative scenarios
18.40 - 19.15	Nadia Maïzi, MINES Paris PSL	What do the 1202 IPCC Working Group III 6th Assessment Report scenarios tell us (or not)

Dinner (19.30 - 20.30)

21.00 - 22.00	Gaël Giraud, LIED	Money and its value in the anthropocene (online)
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DAY 4: THURSDAY 27 JUNE 2024

THEME 3: DECIDING AND TAKING ACTION IN THE ANTHROPOCENE

Session 3.1. Making decisions under uncertainty

9.00 - 9.10	Laurent Morel, Carbone 4	Introduction to the session
9.10 - 9.50	Roger Spitz, Disruptive Futures Institute	Climate-Aligned Decision-Making for Sustainable Futures: Levers for Transformative Change
9.50 - 10.30	Stéphanie Tillement, IMT Atlantique	From scenarios to decisions: a tale of troubled ties in the light of the nuclear case
Break (10.30 - 10.40)		
10.40 - 11.20	Emmanuel Bonnet, SC Clermont Business School	Sentinel organisations: thinking the strategic becoming of organisations in the Anthropocene (online)
11.20 - 12.00	Thomas Gauthier, em Lyon	Strategizing and the gentle art of reperceiving
12.00 - 12.15	Organising Committee	Introduction to the afternoon session

Lunch (12.30 - 13.30)

FREE TIME (13.30 - 15.30)

Session 3.2. Parallel working groups: Decision making in different contexts

15.30 - 19.00	<ol style="list-style-type: none"> 1. Thomas Gauthier, em Lyon, and Emilie Bourlier-Bargues, ESC Clermont: Inertia, inaction and climate change: cognitive biases at work in decision making processes 2. François Briens, ex- Mines ParisTech: From insight to impact: how can prospective exercises shape policy and decision-making more effectively ? 3. Susan Krumdieck, Heriot-Watt University: Anthropogenic Feedback Control System Theory: Value Training of Scenario Models 4. Ioana Ocnareescu and Pierre-Baptiste Goutagny, Carbone 4 and Strate Design: A playful scenarios-driven and decision-making oriented workshop around possible futures 5. Petros Chatzimpiros, Université Paris Diderot: Agriculture and diets as major components of the energy sector and scenarios
Timing TBC	Key takeaways from working groups

Dinner (19.30 - 20.30)

DAY 5: FRIDAY 28 JUNE 2024**THEME 3 : DECIDING AND TAKING ACTION IN THE ANTHROPOCENE**

9.00 - 9.05	Organising Committee	Introduction to the session
9.05 - 9.50	Jean Boissinot, Banque de France	Network for Greening the Financial System scenarios
9.50 - 10.35	David Game, RTE	A deeply changing world : how to make decisions under deep uncertainty ?
Break (10.35 - 10.45)		
10.45 - 11.30	Marie Roussie, Paris Dauphine	Science Fiction designed to fuel strategic thinking and foresight. Return on the experience Red Team Défense of the French Armed Forces
11.30 - 12.00	Organising Committee	Thank you and closing