






# From Modeling to Strategic Decision-Making Facing Planetary Boundaries: Issues and Challenges of a Multi-Disciplinary Approach

	23/06	Mon 24/06	Tues 25/06	Wed 26/06	Thu 27/06	Fri 28/06	
9 - 12.15	<b>ARRIVAL</b>	<b>OPENING SESSION : FROM ASSESSMENT TO DECISION MAKING</b>  <ul style="list-style-type: none"> <li>- Introduction to the week, presentation of key issues and challenges</li> <li>- Historical perspective : 50 years of models and scenarios</li> <li>- Planning in uncertainty</li> <li>- Q &amp; A</li> </ul>	<b>MODELING IN THE ANTHROPOCENE: FROM PHILOSOPHICAL TO TECHNICAL</b>  <b>1.1. Should there be a paradigm shift in how models are designed and used in the context of the anthropocene?</b>  <ul style="list-style-type: none"> <li>- Key strength and weaknesses of models</li> <li>- Macroeconomic dynamics, physical loop backs in different models</li> <li>- How to test/validate models?</li> <li>- How to manage uncertainties and shocks?</li> </ul>	<b>SCENARIOS AND THE ANTHROPOCENE: HOW TO LOOK INTO POSSIBLE FUTURES ?</b>  <b>2.1. How do the challenges of the anthropocene transform how we build transition scenarios?</b> <ul style="list-style-type: none"> <li>- Why are models used and how?</li> <li>- Multidisciplinary challenges: systemic dimension, inclusion of sudden changes</li> <li>- Transparency and comparability challenges</li> </ul>	<b>TAKING ADEQUATE ACTION IN THE ANTHROPOCENE</b>  <ul style="list-style-type: none"> <li>- Governance: what leads to action by decision makers? How are decisions made?</li> <li>- How do we change process? Can we imagine different futures?</li> <li>- Decision making timeframes</li> <li>- How to build resilience?</li> </ul>	<b>SCENARIOS AND THE ANTHROPOCENE: HOW TO LOOK INTO POSSIBLE FUTURES ?</b>  <b>2.2. How are the main transition scenarios built, by whom and why? (cont'd)</b>	
12 :30 - 13.30		<b>DÉJEUNER</b>					
13.30 - 16.00		<b>ARRIVAL</b>	<i>Posters</i> ===== Free time	<i>Posters</i> ===== Free time	<i>Posters</i> ===== Free time	<i>Posters</i> ===== Free time	
16.00 - 19.15			<b>INTERDISCIPLINARY PERSPECTIVE: ACTING IN THE ANTHROPOCENE</b>  Introductory sessions, including: <ul style="list-style-type: none"> <li>- What is a model? How are they built?</li> <li>- What are planetary limits?</li> <li>- How are decisions made?</li> <li>- What does nature tell us about resilience?</li> </ul>	<b>MODELING IN THE ANTHROPOCENE: FROM PHILOSOPHICAL TO TECHNICAL</b>  <b>1.2. What are the big technical challenges for modeling in the anthropocene?</b>  <ul style="list-style-type: none"> <li>- Inclusion of environmental feedbacks and physical dynamics</li> <li>- How are models used to explore environmental questions? What do different models tell us?</li> </ul>	<b>SCENARIOS AND THE ANTHROPOCENE: HOW TO LOOK INTO POSSIBLE FUTURES ?</b>  <b>2.2. How are the main transition scenarios built, by whom and why?</b>  <ul style="list-style-type: none"> <li>- Experiences and lessons learned from different transition scenario building exercises</li> </ul>	<b>THEMATIC WORKING GROUPS AND DECISION MAKING ACTIVITIES</b>	<b>DEPARTURE</b>
19.30 - 20.30	<b>DINNER</b>						
20.30 - 22.00		<b>EVENING SESSION</b>	Free time	<b>EVENING SESSION</b>	Free time		

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-  Introductory or conclusion sessions
-  Multidisciplinary and interactive sessions
-  Theme 1 : Modeling in the anthropocene
-  Theme 2 : Scenario building in the anthropocene
-  Theme 3 : Decision making in the anthropocene