



**Climate Change:  
Challenges and issues  
for the Earth Sciences**  
Earth observations and their use

IPSL Virtual  
Spring School 2021  
Held from Paris, France  
May 4-7, 2021

## Preliminary Program

*This version remains preliminary and subjects to change*

4 May 2021

---

13:40 pm	Introduction - Hervé Le Treut
14:40 pm	Workshop on climate change observations, modelling and the consequences for humanity and biodiversity (working groups)
16:40 pm	Break
17:40 pm	Societal needs and research frontiers in the ocean - Sabrina Speich
18:30 pm	End of the day

5 May 2021

---

10:00 am	Nanosat Earth observations - Mustapha Meftah
10:50 am	The effects of climate on biodiversity – Emmanuelle Porcher
11:40 am	The Institut Pierre-Simon Laplace - Robert Vautard
12:20 pm	Break
13:20 pm	IPSL Climate Graduate School - Hervé Le Treut
14 : 00	The Doctoral School of Environmental Sciences in Ile de France (SEIF - ED 129)
14 : 30	Break
15 : 00	Online discussions from current and past master and PhD students on career opportunities and openings
16 : 30	The role of agro-ecological systems in adaptation to global change - Corine Robert and Pierre-Antoine Précigout
17 : 20	End of the day





**Climate Change:  
Challenges and issues  
for the Earth Sciences**  
Earth observations and their use

IPSL Virtual  
Spring School 2021  
Held from Paris, France  
May 4-7, 2021

---

6 May 2021

- 13:00 pm International Development of Sorbonne University - Serge Fdida
- 13:50 pm The Earth climate from the sky - Cyril Crevoisier
- 14:40 pm Online discussion on climate change observations, modelling and the consequences for humanity and biodiversity (Working groups)
- 16:00 pm Break
- 17:00 pm Unexpected land cover observations - Philippe Ciaï
- 17:50 pm New trends in climate modeling - Thomas Dubos
- 18:40 pm End of the day
- SIDE EVENT A taste of Paris

---

7 May 2021

- 11:00 am A journey in the stratosphere - Albert Hertzog
- 11:50 am The dynamical landscape of marine ecosystems - Francesco d'Ovidio
- 12:40 pm Break
- 13:40 pm Online discussions and reports from the working groups.
- 16:10 pm Break
- 16:40 pm Atmospheric composition and variability : what can we learn with the IASI spaceborne remote sensor ? – Cathy Clerbaux
- 17:30 pm Final debate : our future - Hervé Le Treut
- 18:20 pm End of the School

