

OFF — EARTH



Workshop 1

## Seedling Biospheres in Outer Space

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The Remarkable Proliferation of Life in Bottles, Fridges, Greenhouses And Spacecrafts

Collège de France, 5 December 2022

**OFF — EARTH ATLAS** is a joint project of the University College London (UCL) and the Université Paris Sciences et Lettres (PSL), in partnership with the Collège de France and the Maison Française d'Oxford. It aims to foster a sustained dialogue between anthropology, and the social sciences/ humanities more generally, and all those who are engaged in the ongoing endeavour to explore and exploit outer space. A series of workshops will cast new light on four key aspects of that emerging dialogue: 'Forms of Life' (Paris), 'Territories' (London), 'Architectures and Infrastructures' (London), 'Images and Imaginations' (Oxford). Ultimately, these will result in an *Off Earth Atlas*, containing some fifty images and graphs accompanied by short texts.

### The Off Earth Atlas Team

Victor Buchli  
David Jeevendrampillai  
Delphine Mercier  
Perig Pitrou  
Istvan Praet  
Gerald Sim  
Elsa De Smet



Workshop 1

# Seedling Biospheres in Outer Space

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The Remarkable Proliferation of Life in Bottles, Fridges, Greenhouses And Spacecrafts

Organised by Perig Pitrou and Istvan Praet  
with the « Anthropologie de la Vie » team

Along with astrobiological research into the possibility of life elsewhere, space exploration has led contemporary researchers to extend the limits of life beyond Earth. At various scales, technical devices have enabled them to make key processes such as nutrition and respiration work in very different conditions. At the same time, they have acquired considerable expertise in sustaining non-human life (micro-organisms, plants, animals ...) in artificial environments. The objective of this workshop is to reflect on how such techno-scientific projects – which have in common that they engender veritable ‘micro-worlds’ or *seedling biospheres* – contribute to the reconfiguration of life-as-we-know-it and perhaps even humanity itself.

Registration essential: [tinyurl.com/oeaworkshop1](https://tinyurl.com/oeaworkshop1)



⌘ 5 DEC. 2022



SALLE 2

🏠 COLLÈGE DE FRANCE

11 PLACE MARCELIN BERTHELOT  
PARIS 5<sup>E</sup>



# Programme

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9.45

Introduction

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10.00

The Off Earth Atlas

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David Jeevendrampillai

Centre for Outer Space Studies, University College  
London

Perig Pitrou

Centre National de la Recherche Scientifique, Maison  
Française d'Oxford, Collège de France, Université PSL

10.15

The Atlas: Website and Curatorial Project

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Elsa De Smet

Centre Pompidou-Metz

Gerald Sim

University College London

Delphine Mercier

University College London

10.30

Life Support Systems

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Kärin Nickelsen

Ludwig Maximilian University of Munich

11.00

Short Break

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11.15

Closed Systems

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Elie Danziger

Centre National de la Recherche Scientifique,  
École Normale Supérieure, Collège de France

11.45

Future Space Aquaculture

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Cyrille Przybyla

Institut Français de Recherche pour l'Exploitation de  
la Mer (French Institute for Ocean Science)

12.30

Lunch

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Registration mandatory

[tinyurl.com/oeaworkshop1](https://tinyurl.com/oeaworkshop1)

14.00

Evolutions

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Kathleen Bryson

Oxford University

14.30

Circadian Rhythms

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Aaron Parkhurst

University College London

15.00

Ascensions

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Luis Campos

Rice University

15.30

Break

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16.00

A Cultivating Liberation

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Debbora Battaglia <sup>Zoom</sup>

Mount Holyoke College

16.30

Mars Bubble

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Jordan Bimm <sup>Zoom</sup>  
University of Chicago

17.00

Seedling Biospheres

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Istvan Praet  
Durham University

17.30

Final Comments

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Victor Buchli <sup>Zoom</sup>  
University College London

17.45

General Discussion

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18.30

End of workshop

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### **Organisation & Information**

Linda Brendlin  
Laboratoire d'anthropologie sociale

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