

The Seminar is addressed to doctoral students in the fields of Architecture, Urbanism, Global Health & Humanities and Social Sciences, interested in the use of the One Health concept (OH) as a tool to tackle urban themes (the city, the territory and the ways in which we inhabit them). Scientific training in OH methods requires innovation, in order to take into account, on the one hand, the rapid evolution of the socio-spatial realities under study, and on the other, the variety of languages, techniques, and scales involved in the description and analysis.

The seminar is based on a double and reciprocal hypothesis. The OH approach contains a strong potential for “resetting” territories towards a more holistic balance, towards a greater habitability/co-habitability of their different parts and the development of symbiotic relationships (virtuous co-habitation) between urban and ecosystem functions. Symmetrically, the OH agenda could be consistently fed by a spatial approach especially within the urban domain.

The Seminar aims to deal with three particular OH objectives: the reconnection of humans to their natural past and acceptance of their place in/dependence on the planet’s ecosystems; the recognition of human dependence on ecosystem services; the recognition of human development’s impact and acceptance of responsibility toward future generations.

**Scientific Committee:**

Prof. Martina Barcelloni Corte (co-chair), Faculty of Architecture, University of Liège  
Dr. Isabelle Bolon (co-chair), Institute of Global Health, University of Geneva  
Prof. Derek Christie, School of Health Sciences Fribourg, HES-SO University of Applied Sciences and Arts Western Switzerland  
MER Elena Cogato Lanza (co-chair), Laboratory of Urbanism, EPFL  
Prof. Paola Viganò, HABITAT Research Center, EPFL

**Organized by:**

Habitat Research Center (EPFL)  
Laboratory of Urbanism (EPFL)  
Faculty of Architecture of the University of Liège (Belgium)  
Institute of Global Health (UNIGE)  
School of Health Sciences Fribourg (HES-SO)

**In the frame of:**

Swissuniversities Program  
Doctoral Program of Architecture and Sciences of the City (EDAR-EPFL)



**Habitat  
H**

**Research  
R**

**Center  
C**

**29 Nov - 1 Dec 2021  
EPFL (Archizoom SG 1212,  
AAC 108)**

**Designing cities  
in a changing world  
Towards an urban One Health  
approach**

Monday 29 November  
EPFL, Archizoom SG 1212

FILM PROJECTION  
WITH DOMINIQUE MARCHAIS

20.00 *La ligne de partage des eaux*  
(2014)

Tuesday 30 November  
EPFL, Archizoom SG 1212

14.30 OPENING WORDS. **Elena Cogato Lanza (Lab-U EPFL), Martina Barcellona Corte (URA UNI Liège)**

14.45 **Jean Simos (IGH UNIGE), Isabelle Bolon (IGH UNIGE), Derek Christie (HES-SO. HedS-Fribourg) *What is One Health?***

16.15 I. ON SPATIAL  
JUSTICE

Chair & Discussants: **Derek Christie, Elena Cogato Lanza, Thiago Herick de Sa (ECH WHO)**

**Tommaso Pietropolli (Lab-U EPFL) *Searching for equality. Horizontal relations and design ambiguities in a spatial OH approach.***  
**Marie Trossat (Lasur EPFL, Metrolab Bruxelles) *One Health for everyone? Questioning health accessibility for undocumented migrants as a political issue.***

17.30 Coffee Break

18.00 LECTURE. **Dominique Marchais** (filmmaker and scriptwriter) *L'infra-paysage*

19.15 ROUND TABLE. Keynote speaker debates with **Paola Viganò (HRC EPFL), Jean Simos (IGH UNIGE), Thiago Herick de Sa (ECH WHO)**

20.00 Dinner

Wednesday 1 December  
EPFL, AAC 108

8.45 II. MATERIAL  
AMBIANCES

Chair & Discussants: **Isabelle Bolon, Elena Cogato Lanza**

**Nuria Alvarez Coll (ENSA GRENOBLE) et Marta Miranda (ENSA NANTES) *Raw materiality to root our architecture spaces.***  
**Adam Swietek (LEURE EPFL) *What the Swiss see, quantitative analysis of urban viewscape.***  
**Patricia Guaita (JMA HEIA-Fribourg/HES-SO), Raffael Baur (JMA HEIA-Fribourg/HES-SO) *Towards a New Ecology of Construction. Transformations on Jean Prouvé.***

10.30 Coffee Break

10.45 III. RETHINKING  
CITY MODELS

Chair & Discussants: **Martina Barcellona Corte, Derek Christie, Roderick Lawrence (UNIGE)**

**Anna Karla de Almeida Santos (Lab-U EPFL) *Rethinking urban health in productive habitats: a One Health approach.***  
**Loïc Vilain (JMONS) *The compactness in answer to urban sprawl: development of a tool to help the reasoned densification of village cores in Wallonia.***  
**Luca Piddu (UNIGE) *Controversies on Density.***

12.30 Lunch

14.00 IV. TOWARDS  
NEW ECOLOGIES

Chair & Discussants: **Isabelle Bolon, Martina Barcellona Corte, Jakob Zinsstag (Swiss TPH)**

**Nicole de Lalouvière (ETHZ) *Urban Landscape Transformations and the***

***Malaria Control Scheme in Mauritius, 1948– 51.***  
**Vu Thi Phuong Linh (KU LEUVEN) *Tonle Sap flooded section and local practices: coexistence and contestation.***  
**Sylvie Nguyen Tram (Lab-U EPFL) *Towards a New Social Ecological Ecosystem in the Vietnam Mekong Delta.***  
**Dolorès Bertrais (UNIGE) *Penser la Green City à Phnom Penh (Cambodge) et l'habitabilité de la ville en devenir.***

16.30 Coffee Break

Archizoom SG 1212

17.00 POSITIONS & DEBATE.  
***One Health Today*, with Jakob Zinsstag (Swiss TPH) and Jean-Philippe Pierron (LIR3S UNI Burgundy)**

19.00 ENDING WORDS

20.00 Dinner

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**Martina Barcellona Corte**, PhD in Urbanism, is Professor of Landscape Urbanism at the Faculty of Architecture, University of Liège. Her work focuses on intersecting human-natural networks and their interaction patterns with a particular interest to the representation of the landscape as a multilayered space. She is currently carrying out a research on urban-rural soils.

**Isabelle Bolon**, veterinarian, leads the One Health Unit at the Institute of Global Health (UNIGE). Her research deals with Global Health challenges at the human-animal-ecosystem interface and uses the One Health approach. More specifically, she is interested in emerging zoonotic diseases, the inter-linkages between biodiversity and human health, human-animal interactions in the context of urban socio-ecosystems, and the global fight against snakebite.

**Derek Christie**, MPH, is a public health biologist who obtained his PhD in 2018 from EPFL on the topic of urban walking. Since 2020 he is at the School of Applied Sciences and Arts Western Switzerland (HES-SO), as Dean of applied research and development at the School of Health Sciences in Fribourg/Freiburg. He is also an active member of the Institute of Global Health (UNIGE) and of the Habitat Research Center (EPFL).

**Elena Cogato Lanza**, architect, is Senior Scientist at the Laboratory of Urbanism (EPFL) and Director ad interim of the doctoral programme Architecture and Sciences of the City. Her research interests lie at the crossroads between the history and the theory of urbanism. Her publications deal with the theoretical and material legacy of the XXth century city, namely with the function and status of nature.

**Thiago Hérick de Sá** holds a PhD in Public Health from the University of São Paulo. He is a public health professional working on healthy urban environment and sustainable mobility related issues at the Department of Environment, Climate Change and Health (ECH), at the World Health Organization headquarters.

**Roderick Lawrence**. Nominated Professor in the Faculty of Economic and Social Sciences at the University of Geneva in 1999, he is Honorary Professor since 2015. He was Visiting Professor at the Institute for Global Health at the United Nations University (UNU-IIGH) from 2014 to 2016. Among others, his research tackles with the residential context of health, well-being and quality of life in a rapidly changing world.

**Dominique Marchais** is a filmmaker and scriptwriter. After studying philosophy at Sorbonne Paris 4, he was film critic at Les Inrockuptibles. Since *Lenz échappé* (2003) his movies develop a reflection on Landscape, dealing with contemporary rural landscape (*Le Temps des grâces*, 2010), sectorial rationales and stakeholders (*La ligne de partage des eaux*, 2014), and contemporary places of "Good Government" (*Nul homme n'est une île*, 2018).

**Jean-Philippe Pierron**, PhD in philosophy, is Professor of moral philosophy and applied ethics at the University of Burgundy. Influenced by hermeneutics and the philosophy of existence, his work focuses on the moral of imagery within medical and environmental ethics. He is the author of *Prendre soin de la nature et des humains*.

**Jean Simos**, Doctor of Science at EPFL, is currently the Director of the Environment and Health Research Group (GRES), in the Institute of Environmental Sciences and the Faculty of Medicine, University of Geneva. He has 30 years of experience in the development and management of public health programmes at the local level, and an increasing engagement with Healthy Cities and Health Impact Assessments.

**Paola Viganò**, PhD in Architecture, is Professor in Urban Theory and Urban Design at the EPFL (Lausanne) and Head of Habitat Research Center. The first woman to receive the Grand Prix de l'Urbanisme in France in 2013, she was awarded the title of Doctor Honoris Causa by the Catholic University of Louvain in 2016. Her recent research has focused on territorial and landscape design in the frame of a larger biopolitical project that concerns living entities and bodies within space.

**Jakob Zinsstag**, veterinarian, is Professor of Epidemiology at the University of Basel and deputy head of department of Epidemiology and Public Health at the Swiss TPH, where he leads a research group on the interface of human and animal health with a focus on health of nomadic people and control of zoonoses in developing countries under the paradigm of "one health".