

# The role of the environment for human health

Mon, 20.10.2025, 09.00-17.30 / WSL, 8903 Birmensdorf



ENRICH Health: Fall Conference

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aquatic research

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Materials Science and Technology

WSL

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## Aims

- to make research on the environment's role for health with focus on **prevention** (understood in a very broad sense) of the 4RI more visible
- to gain an overview of actual activities in science with contributions of the 4RI
- to enable networking amongst key players within the field of environment's role in prevention
- to identify possible topics for joint proposals

## Participants

- Open to all scientists of the 4RI, ETH and EPFL

## Organizing Committee

- WSL: Nicole Bauer, Maria Garcia Martin, Anna Hersperger
- PSI: Gregor Cicchetti
- Empa: Peter Wick
- Eawag: João Paulo Leitão
- Conference Office: Dieter Schmid

## Program (provisional)

**09.00 Welcome**

**09.15 Topic block 1 "Environmental stressors"**

*(keynote, project presentations of 4RI-researchers)*

**11:10 Topic block 2 "Monitoring / Long-term observations"**

*(keynote, project presentations of 4RI-researchers)*

12.30 Lunch (incl. poster presentations and networking)

**13.45 Topic block 3 "Healthy cities and landscapes"**

*(keynote, project presentations of 4RI-researchers)*

**15.40 Topic block 4 "Health-related human behavior and interventions"**

*(keynote, project presentations of 4RI-researchers)*

**17.00 Outlook and Closing**

**17.15 Apéro**



Register here until Fri, 05.07.2025:

***The role of the environment for human health 20.10.2025 Registration***

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## Topic blocks

### 1 Environmental stressors

In this block we address the topic of environmental stressors and their impact on human health. Examples for environmental stressors are air and water pollution, light pollution, noise pollution, persistent organic pollutants (POPs) as well as heat and other climate extremes. Contributions may address one or several of these or other environmental stressors and link them to human health.

### 2 Monitoring / Long-term observation

In this block we welcome contributions on the monitoring of landscape qualities and functions and different kinds of environmental stressors and their link to human health. This might also include contributions focusing on the development of monitoring tools and instruments and on the implications of the monitoring results for policy and practice.

### 3 Healthy cities and landscapes

This block focusses on how to plan and realize healthy environments. Contributions can address e.g. the question how to deal with environmental stressors when creating healthy environments, how to design and implement blue green infrastructure, how to increase the walkability and cyclability of cities, how to develop settlements that foster social interactions...

### 4 Health-related behavior and interventions

In this block we focus on different kinds of health-related decisions and human behavior (e.g. concerning nutrition, physical exercise, other health-related behavior) and on interventions to foster a better health.



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## Presentations

Title	Speaker
<b>Block 1: Environmental stressors</b>	
<b>Keynote 1:</b> The Exposome: The role of the environment for human health.	Martin Röösli, Universität Basel
RESTORE project: noise polluted environments Air pollution Analytical capabilities and monitoring activities PFAS: Environmental and human health issues	S. Tobias, WSL/B. Schäffer, Empa Immad El Haddad, PSI Ralf Kägi, Eawag/Tim Börner, Empa A. Kroll, Eawag/D. Hegemann, Empa
<b>Block 2: Monitoring / Long term observation</b>	
<b>Keynote 2:</b> RECOVER study: The effects of environmental factors on cardiovascular risk and disease.	David Niederseer, Höhenklinik Davos
Waste water epidemiology People's relationship to landscape/forest in CH Environmental sensing Air quality data for modelling exposure	Tim Julian, Eawag Marcel Hunziker, WSL Martin Gysel, PSI Kaspar Daellenbach, PSI

Title	Speaker
<b>Block 3: Healthy cities and landscapes</b>	
<b>Keynote 3:</b> An environment conducive to physical activity and social interaction – an interdisciplinary task!	Maria-Pia Gennaio, ARE Florian Koch, Stiftung Gesundheitsförderung
Planning for urban green to foster equity and health The role of water/greenery on outdoor thermal comfort Manikins for physical reaction to thermal influences Impacts of urban form, climate and mobility on health	Simona Gradinaru, WSL João P. Leitão, Eawag Agnes Psikuta, Empa Gabriele Manoli, EPFL
<b>Block 4: Health-related human behavior and interventions</b>	
<b>Keynote 4:</b> Improving food supply chains and sustainable nutrition for human health.	Thijs Defraeye, Empa
Exposure to micro- and nano plastics Virtual nature as medicine? Human behavior and human health Cortisol responses to different colors of artificial light	Tina Bürki Thurnherr, Empa Laura Schalbetter, ETHZ Nadja Contzen, Eawag Solène Guenat, WSL



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