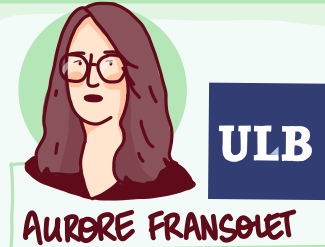


ECOLOGIES OF EXPOSURE: HEALTH, JUSTICE, AND POLLUTION IN THE ANTHROPOCENE



BUILDING SOCIAL - ECOLOGICAL PROTECTION FOR A JUST TRANSITION

JUST TRANSITION

requires **EXPANDING SOCIAL PROTECTION** to mitigate social-ecological risks

our PRODUCTION and CONSUMPTION patterns DESTABILIZE the BIOSPHERE



2 TYPES of RISKS

BIOPHYSICAL linked to the intensification of events due to planetary boundaries transgression

TRANSITION resulting from ecological transition policies

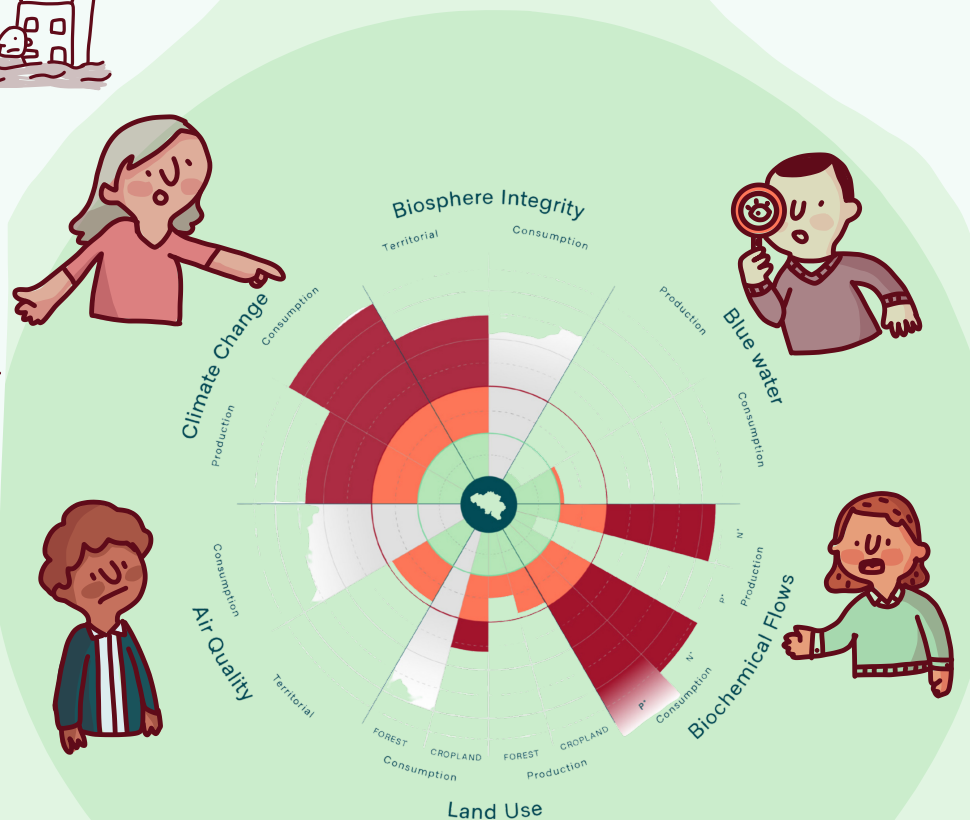
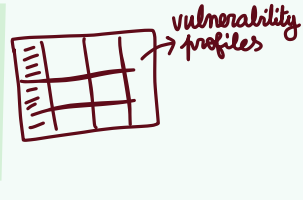
It introduces **KEY RISKS DETERMINANTS**



Based on this framework, the **MATRIX of SOCIAL-ECOLOGICAL RISKS** is proposed as A TOOL to DESIGN BETTER PROTECTION POLICIES

the Matrix can be used to multiple applications

- Zero Emissions in Mobility
- heat waves
- (un)healthy food
- ...



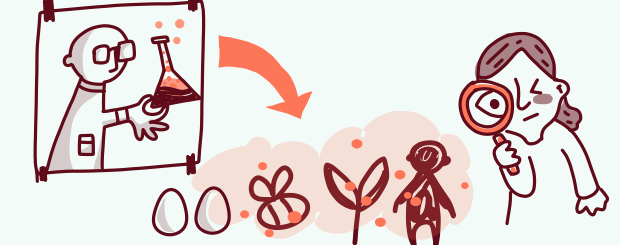
WHAT'S IN A TRACE ?

EARTH IS NO LONGER **STABLE**

ECOSYSTEMS react **UNPREDICTABLY** to warming and pollution

"GLOBAL WEIRDING"

REAL TIME PROCESSES are now **CHALLENGING** LABORATORY STUDIES



but what about **REPRESENTATIVITY** and **CAUSATION**?



these **EXPOSURE DATA** provide an **OPPORTUNITY** to **QUESTION** what our **KNOWLEDGE** is BASED UPON

CHEMICAL TRACES indicate **REAL** and **LOCALISED PRESENCES**

CHEMICALS CONNECT and **TRANSFORM** human-animal **METABOLISM** connecting and altering spaces and times

a **TOPOLOGICAL VIEW** **REFRAMES** **CHEMICAL POLLUTION** in **HISTORICAL, GEOGRAPHICAL, BIOLOGICAL** and **POLITICAL TERMS**

beyond the question when and whether we have evidence enough to prove the **HARMFUL EFFECTS** of **EXPOSURE**



PLANETARY LIMITS AND COMPLEX RISKS : DEVELOPING INTERDISCIPLINARY PERSPECTIVES

PANEL 3

DECEMBER 2ND OF 2025 BRUSSELS

cerac

ULB

