



**Planning Land Use Strategies:
Meeting biodiversity, climate and
social objectives in a Changing
world (PLUS Change)**

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Overview

- Funded under Horizon Europe (cluster 5 – climate)
- Plus Swiss and British governments
- Social Sciences for Land Use Strategies
- 7 million Euro over 4 years
- 23 partners (11 practice partners)
- Launched June 1st, this year (3 weeks ago)

Today:

- The research design
- Embedding land use modeling within decision making change

Partner	Topic					Discipline												
	Biodiversity	Climate	Society	Planning	Systems	Stat. Sci	Economics	Psychology	Sociology	Geography	History	Philosophy	Arts	Geodetics	Political Sci	Ecology	Env. Sci	Modelling
CZG																		
ISOC																		
KLI																		
CNH																		
VUA																		
P4A																		
PRPL																		
BSC																		
UL																		
KE																		
CRS																		
SU																		
CPU																		
LEU																		
LUC																		
RGK																		
EMR																		
WM																		
VLM																		
PE																		
JINAG																		
IDF																		
SCC																		

Aims and Objectives

- ***PLUS Change's* aim is to create land use strategies and decision-making processes that meet climate, biodiversity and human well-being objectives of sustainability, and to develop interventions that leverage political, economic, societal, material and cultural contexts to achieve these strategies, by involving actors at multiple decision-making levels (individual, planning, policy).**
- What does sustainable land use look like?
- How do we achieve that by changing decisions at individual, and policy and planning levels?
- What do land use decision making processes look like to achieve sustainability?

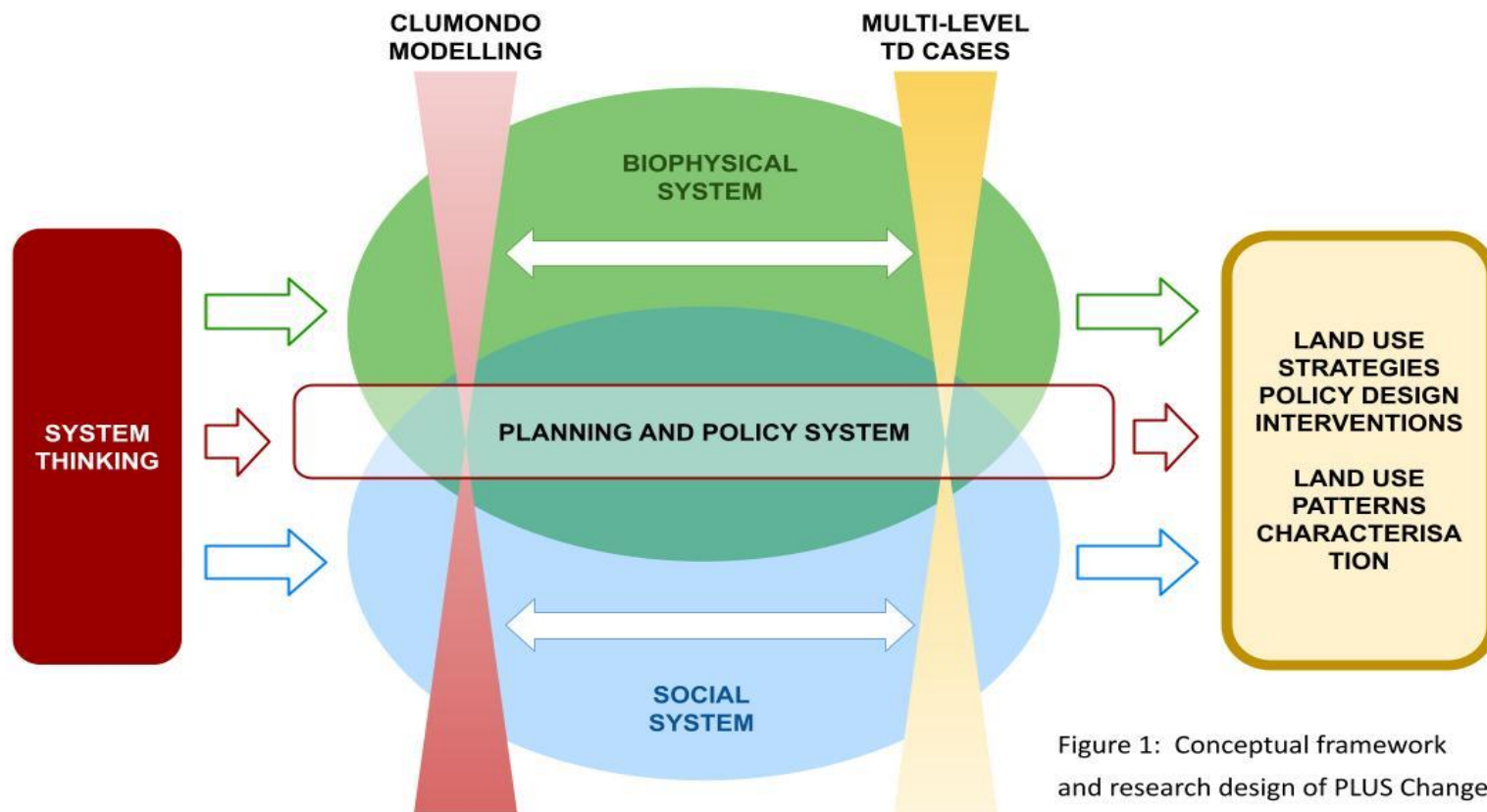
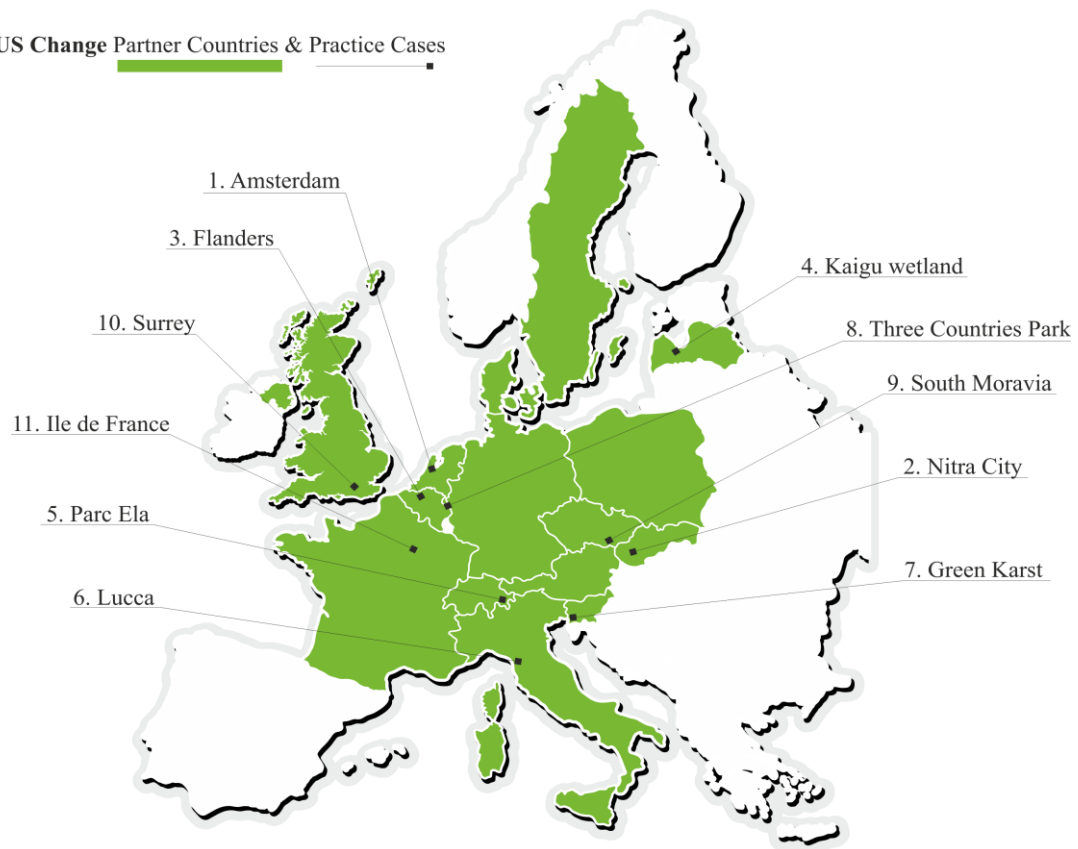
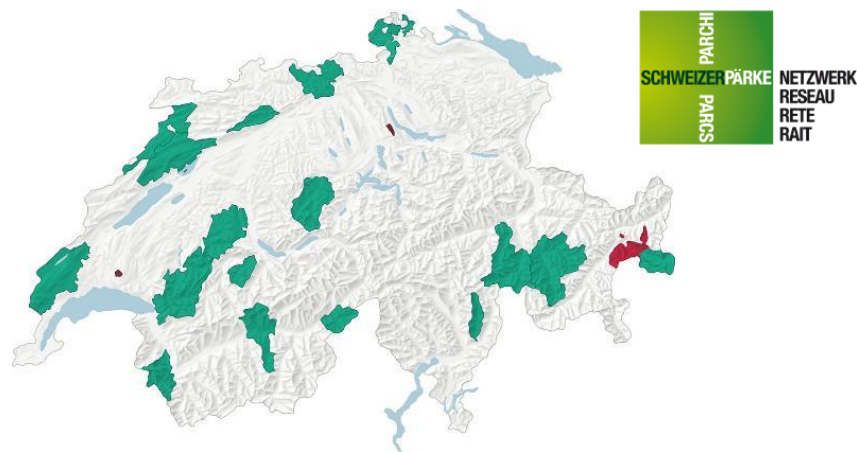
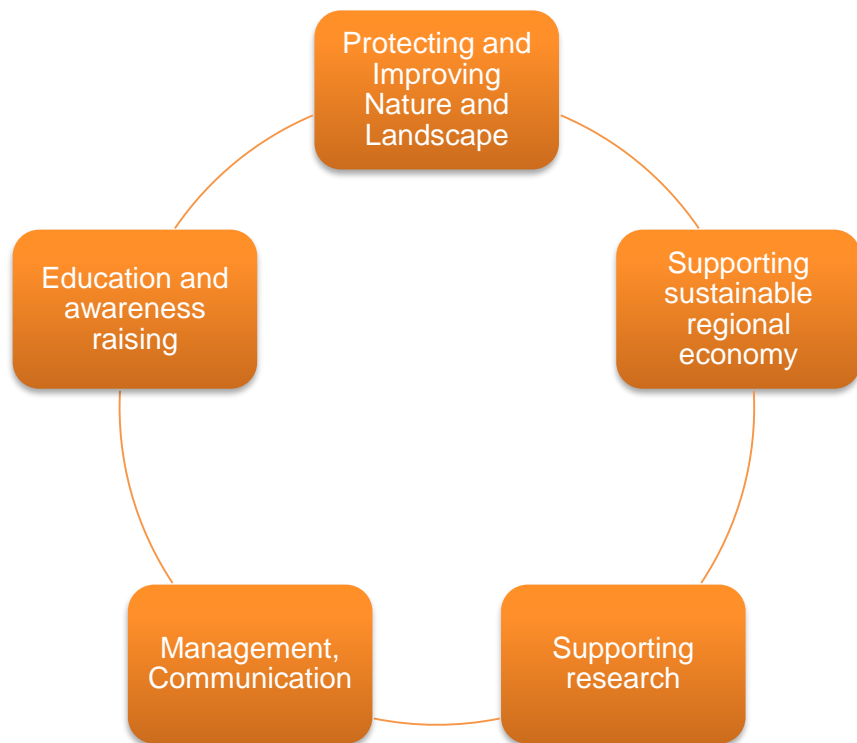


Figure 1: Conceptual framework and research design of PLUS Change

PLUS Change Partner Countries & Practice Cases



Facts & Figures of Parc Ela



- 660 km² / 5700 inhabitants / 6 municipalities

•Land use

- 1% settlement area
- 31% agricultural area (incl. alpine pastures)
- ~120 farms/4000ha UAA (80% organic); 97% grassland
- 27% forest area
- 39% uncultivated area
- 57% protected areas
- 80km ski slopes

Organised as Association

Members: 6 municipalities; 550 individuals; honorary board
12 staff (9 FTE) plus freelancers

Ile-de-France Region's key figures



31%
of France's
GDP



12,3 million
Inhabitants

1,019
inhabitants
per km²

18,3 %
of the French
population

+ 52 000
additional
inhabitants
each
year

Paris Region

Greater Paris Metropolis

Paris

8 « départements »,
1270 communes

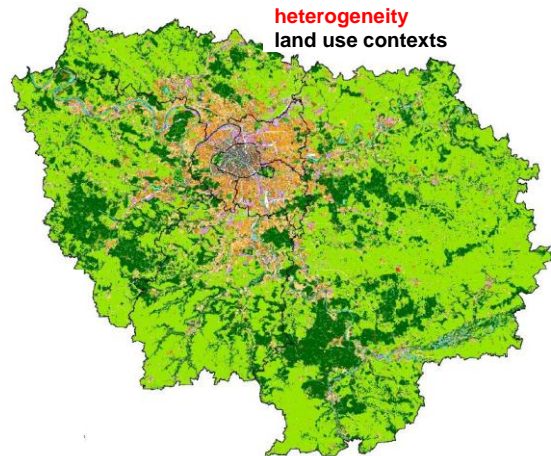
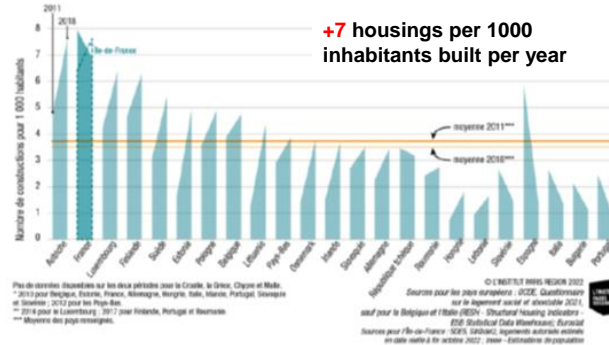


41%
of France's
researchers



23%
of France's
workforce

Housing number's built evolution in EU countries per 1000 inhabitants between 2011-2018



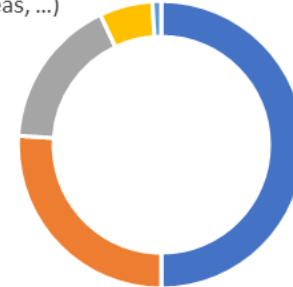
6%
green spaces open to the public
(community gardens, parks and gardens, recreational areas, ...)

17%
urban space
(habitat, activities, transport infrastructure)

26%
wooded areas, natural world

1%
water

**Land use's
Ile-de-France
Region**
Institut Paris Region
(MOS 2021)



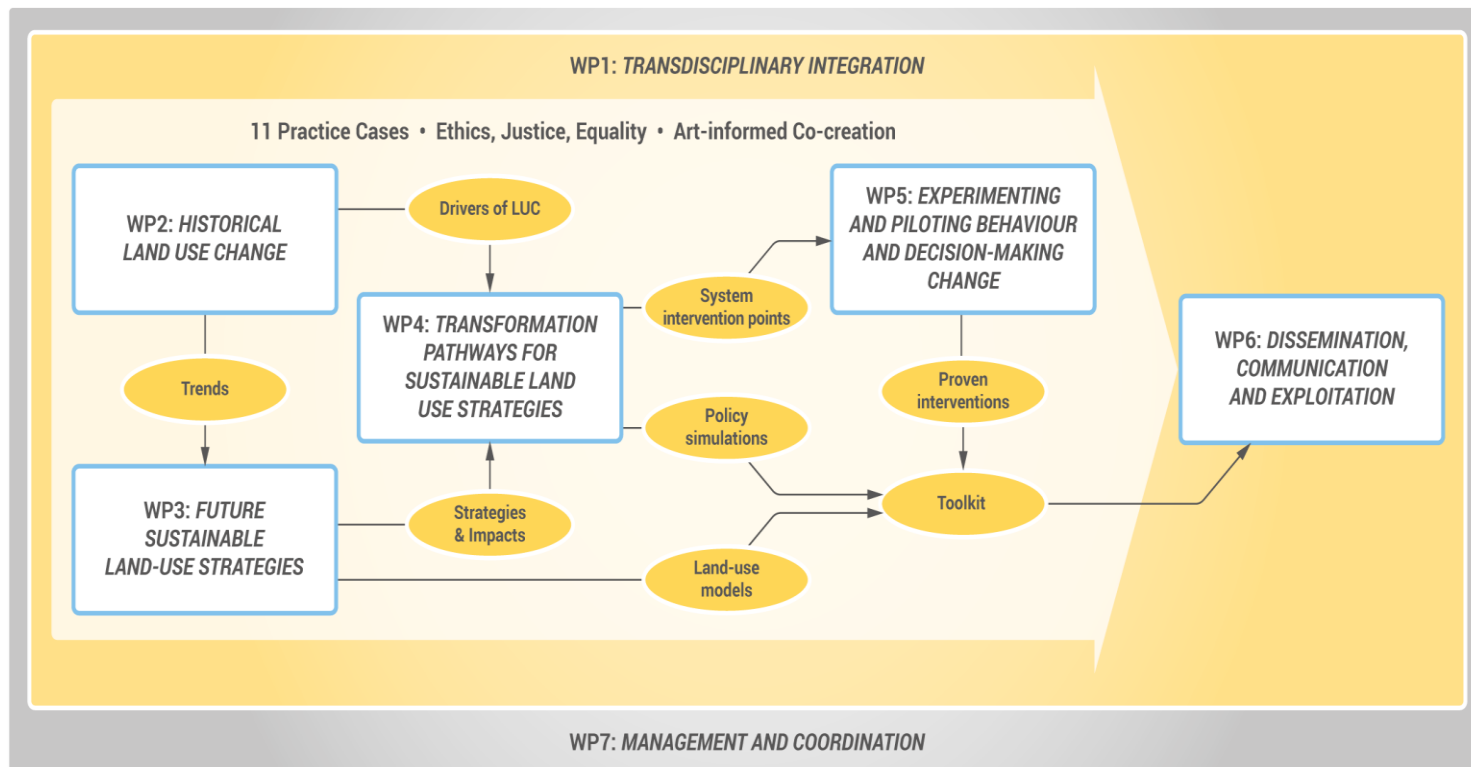
50%
**agriculture
space**

Evolution of the climate linked to climate change

(at Institut Paris Region)

		Current trends 1950-2020	Future trends 2020-2050	
Île-de-France Region	Mean temperature	+2°C since 1950	+0.5 to 1°C	
	Freeze rate during plant growth	Decreasing	Decreasing	
	Heat waves	Increasing	Increasing	
	Extreme climate	Cold spells	Decreasing	Decreasing
		Droughts	Increasing	Increasing
		Extreme rainfall	Increasing	Intensity + 20% by 2100

Infographic source : Institut Paris Region



Questions or future discussions

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