

Pilar Andrés (Spain)



Breakout Session II
'Applying to Horizon Europe Work Programme'
EIP-AGRI brokerage event
'Get involved in the EU Mission: A Soil Deal for Europe'

Knowledge co-construction in an uncertain world

Lessons learned from landscapes in crisis





Some preliminary observations

Dealing with the current global crisis, demands going beyond the current **land management** practices at all scales

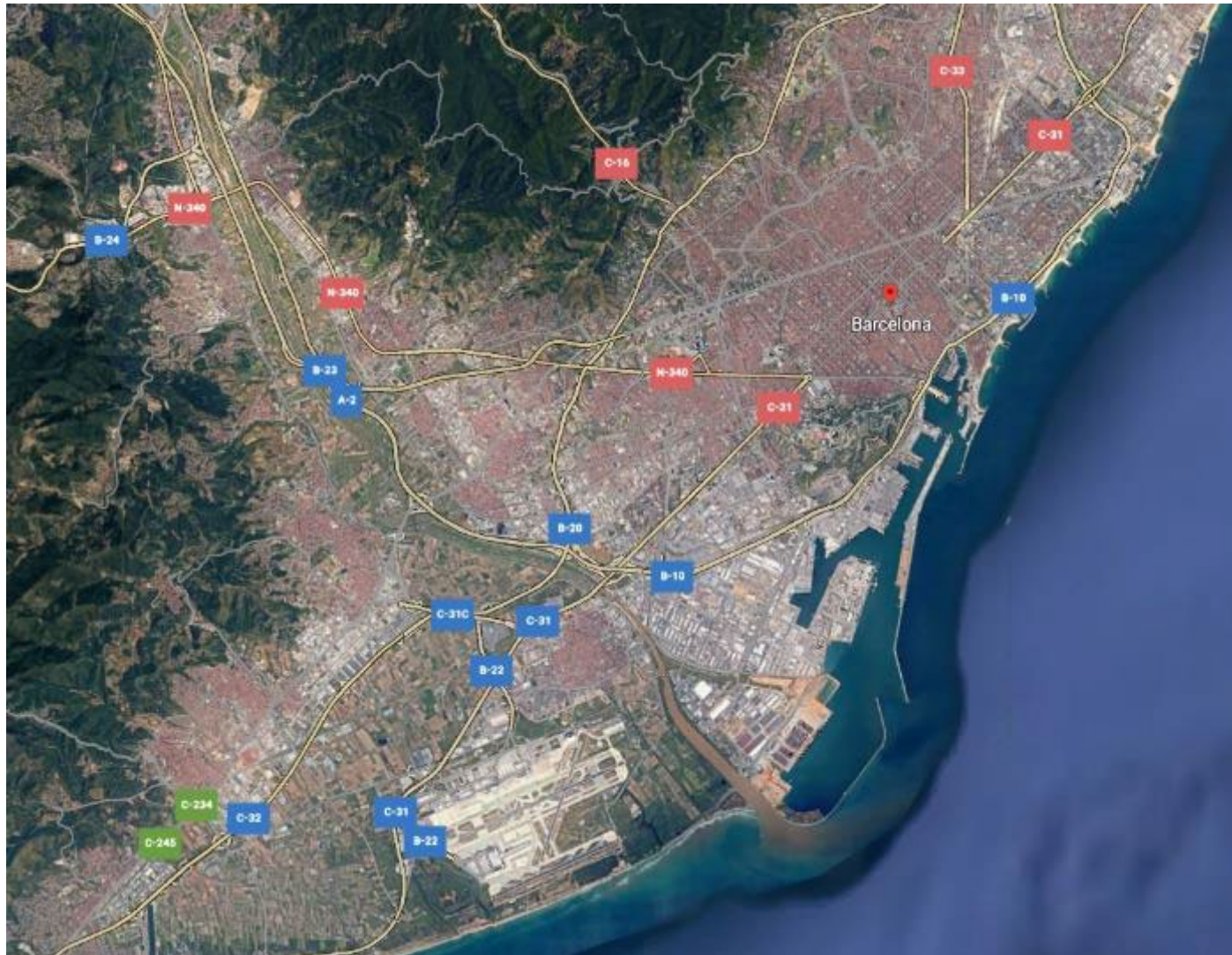
Feeding an increasing population while limiting land uptake means shifting from intensive agriculture to the **ecological intensification** of the agriculture

In a densely interconnected world, with substantial proportions of urbanites, guaranteeing access to healthy food while contributing to ecosystem protection is no longer a farmers' affaire but a **multistakeholder issue**

There are as many deals as there are farm types
at each soil and climate region



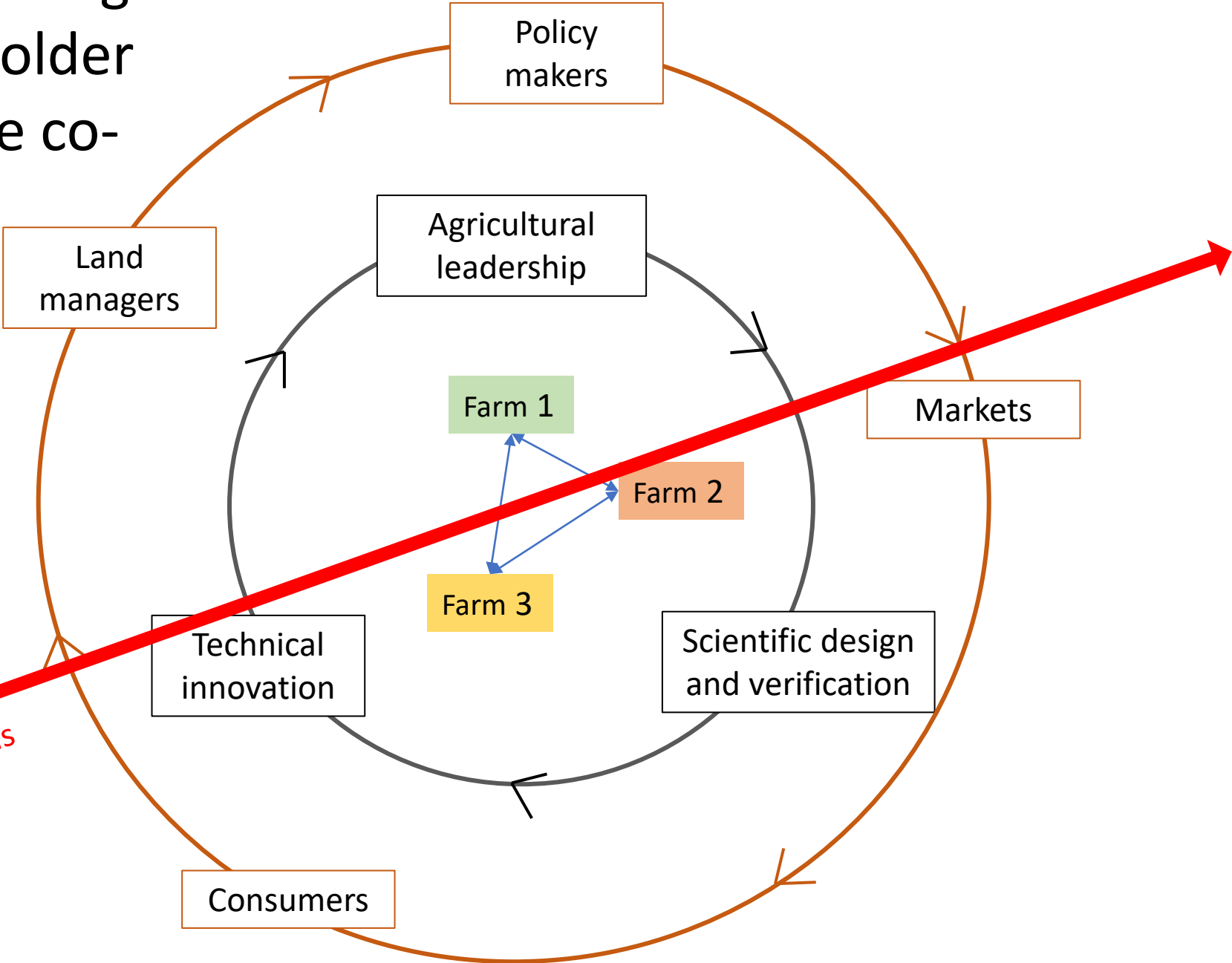
And there are as many conflict as there are landscape configurations



Living labs are very promising and creative multistakeholder structures for knowledge co-construction

Combining living labs with demonstrator farms is an exciting prospect!

Facilitators
Students/Citizens



Hands-on learning



Farmers don't follow scientists... they follow farmers!

Farmers' association is crucial to minimize efforts

Experts in communication are very valuable to facilitate cross-sectoral understanding

There are many “sustainable” practices, but their real effects are seldom measured: farmers need scientists to act as notaries

Agricultural companies need affordable carbon certification methods to participate in carbon markets

Analysis facilities must be included in networks to facilitate affordable monitoring



Important knowledge gaps

How to simulate and measure C sequestration in soil

- proximal sensing and lab sensors
- a dense net LTRs on soil response to management

How to evaluate effects of management on soil biodiversity

- to prepare sets of biological indicators sensitive to specific practices or schemes under different soil and climate conditions

How to optimize nutrients and water provision

- what about “soil-plant-microbe” relationships for growing healthy plants?
- And about water monitoring systems?

How to close cycles

- the effect of recycling diverse types of biomass to soil must be clarified



Sustainable metropolitan agricultural landscapes

How to transform rural landscapes embedded in metropolitan regions into climate robust, sustainable food production areas

- Dealing with soil pollution
- Discussing land planning
- Optimizing agro-logistics
- Reinforcing internal and external markets
- Closing cycles inside the metropolitan region
- Rethinking the food producing and processing chain



How to survive and thrive in the H2020



- Do not adopt YOUR PROJECT to the call: find a CALL that fits your project
 - The European Union's designs are unfathomable! Try to discover who wrote the topic of your interest and take him/her to dinner-
 - Stay up-to-date of the EU info days and policy debates relevant to the topic
 - You will need a solid consortium covering all required knowledge fields. You need friends!
 - Consult previous research projects funded in this area. Do not repeat...
ADD UP!
-
- Make your work desirable: unfold your charm and show how your results can have an impact on EU policies and how it will make managers' life easy



SO MUCH TO BE DONE ... !

p.andres@creaf.uab.cat

JUST PUT YOUR BRAIN INTO THE SOIL !!!

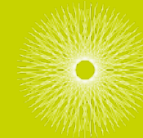


EIP-AGRI brokerage event **'Get involved in the EU Mission:** **A Soil Deal Europe** **8-9 June 2022, Brussels, Belgium**

All information on the brokerage event is available on
www.eip-agri.eu

on the event webpage:
<https://ec.europa.eu/eip/agriculture/en/event/eip-agri-brokerage-event-%E2%80%99get-involved-eu-mission>

funded by  European
Commission



eip-agri
AGRICULTURE & INNOVATION

