# SIMBIOSE: Designing alternative regional Scenarios for land-use and agricultural Innovative Management and BIOdiverSity consErvation

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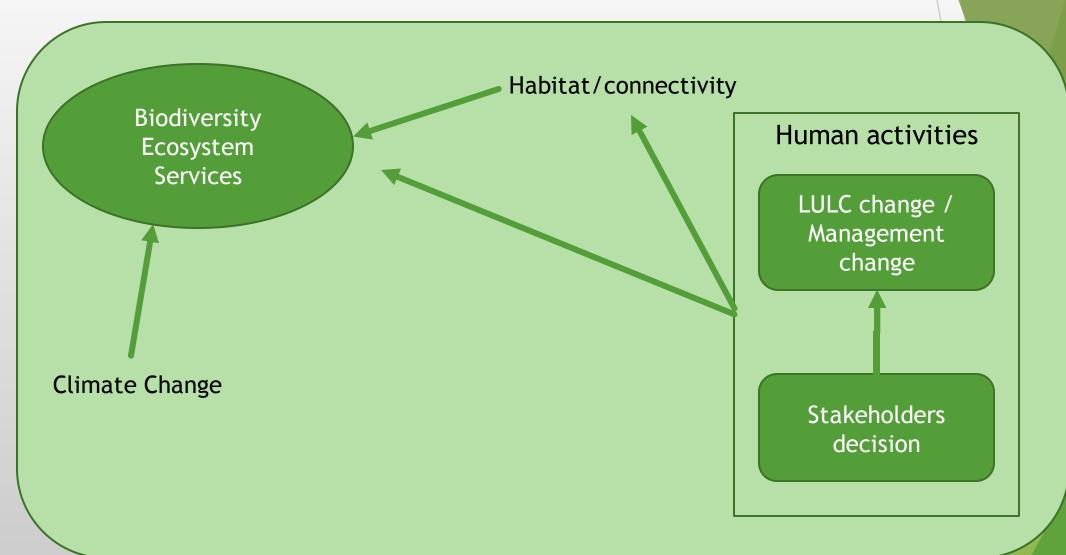




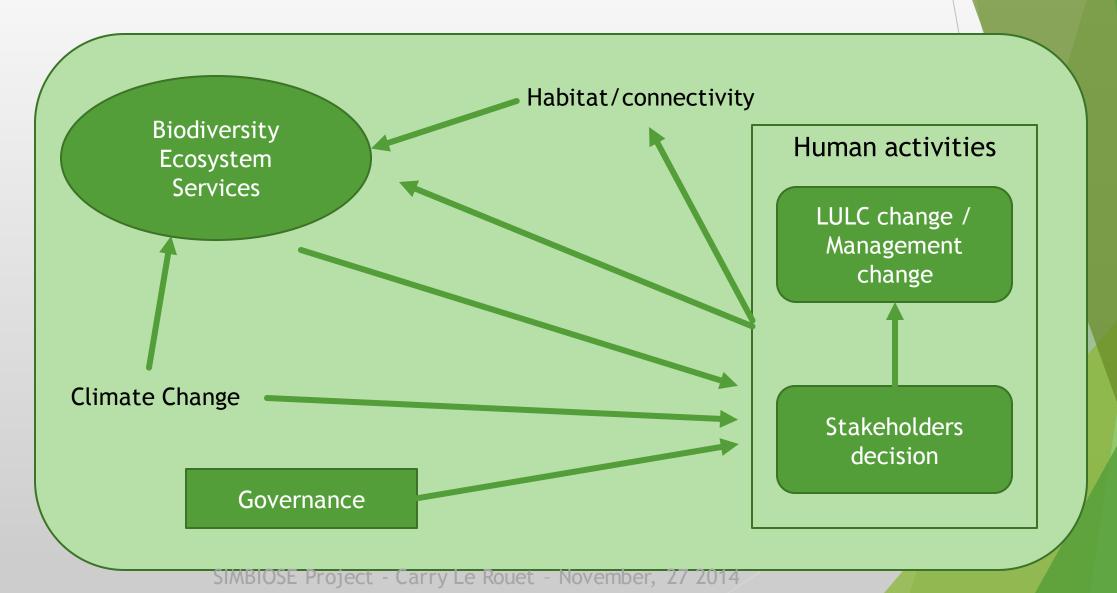
## A complex and dynamic system

Biodiversity Ecosystem Services

## A complex and dynamic system



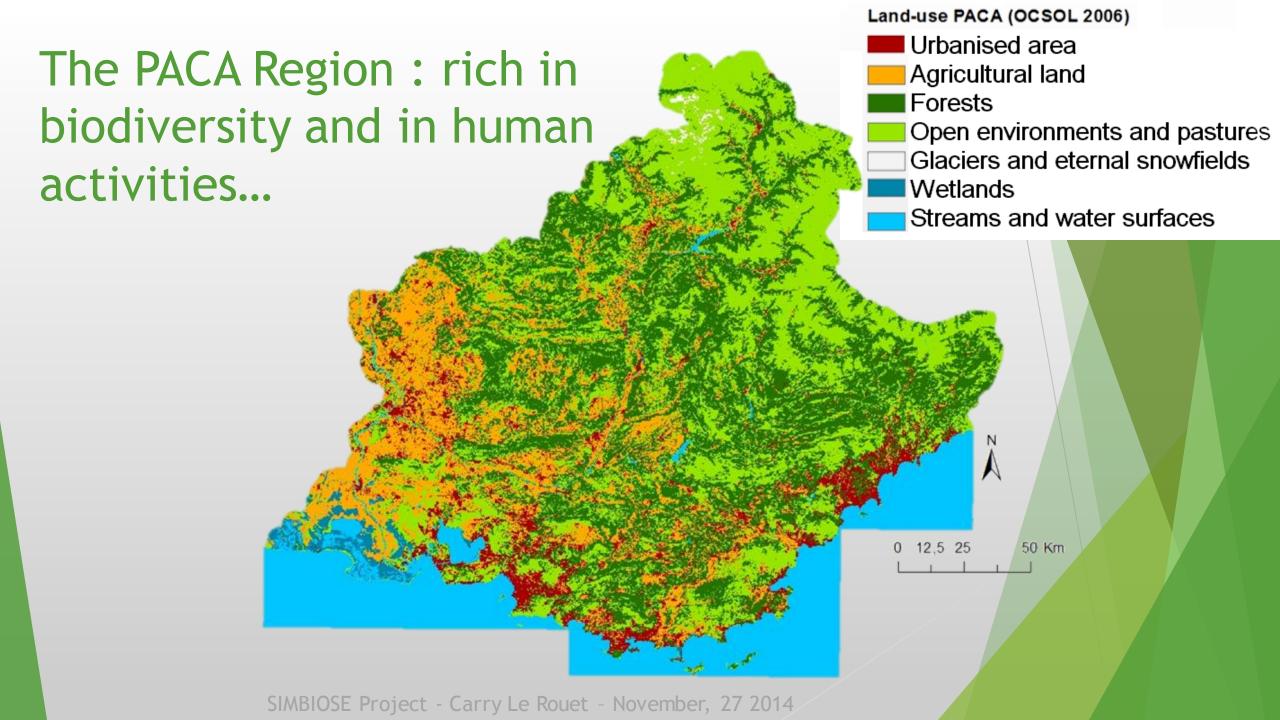
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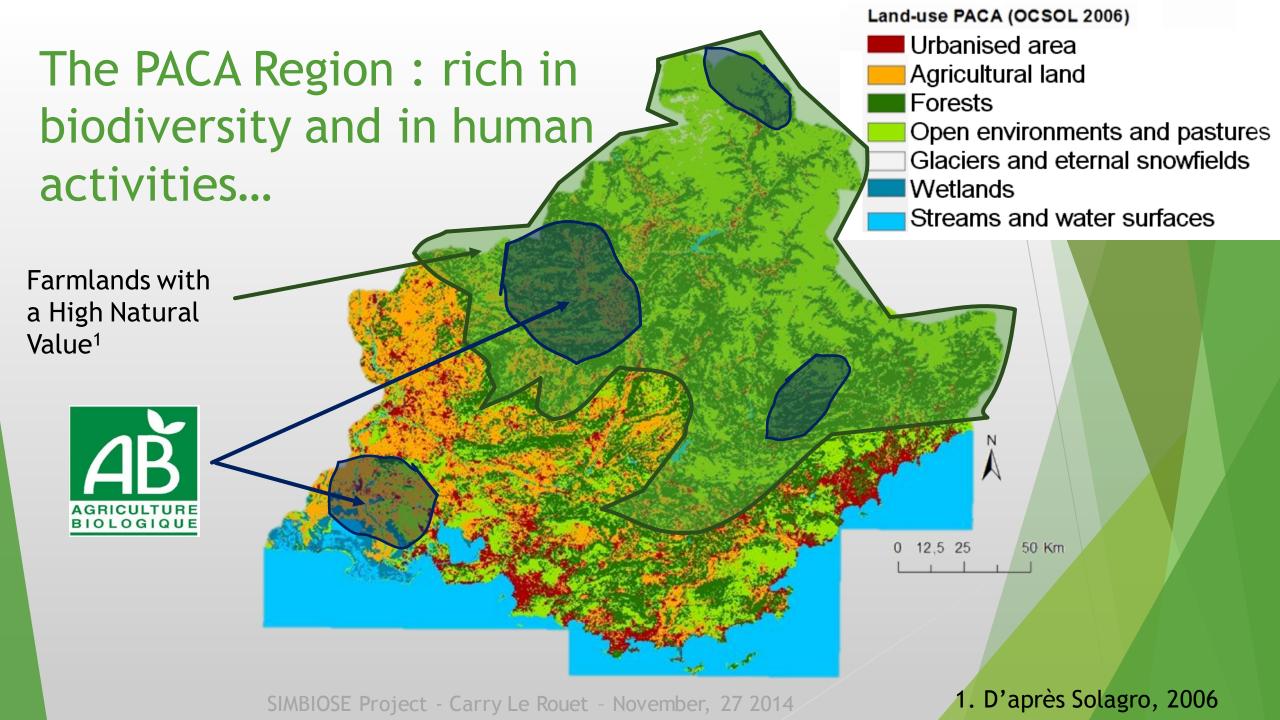


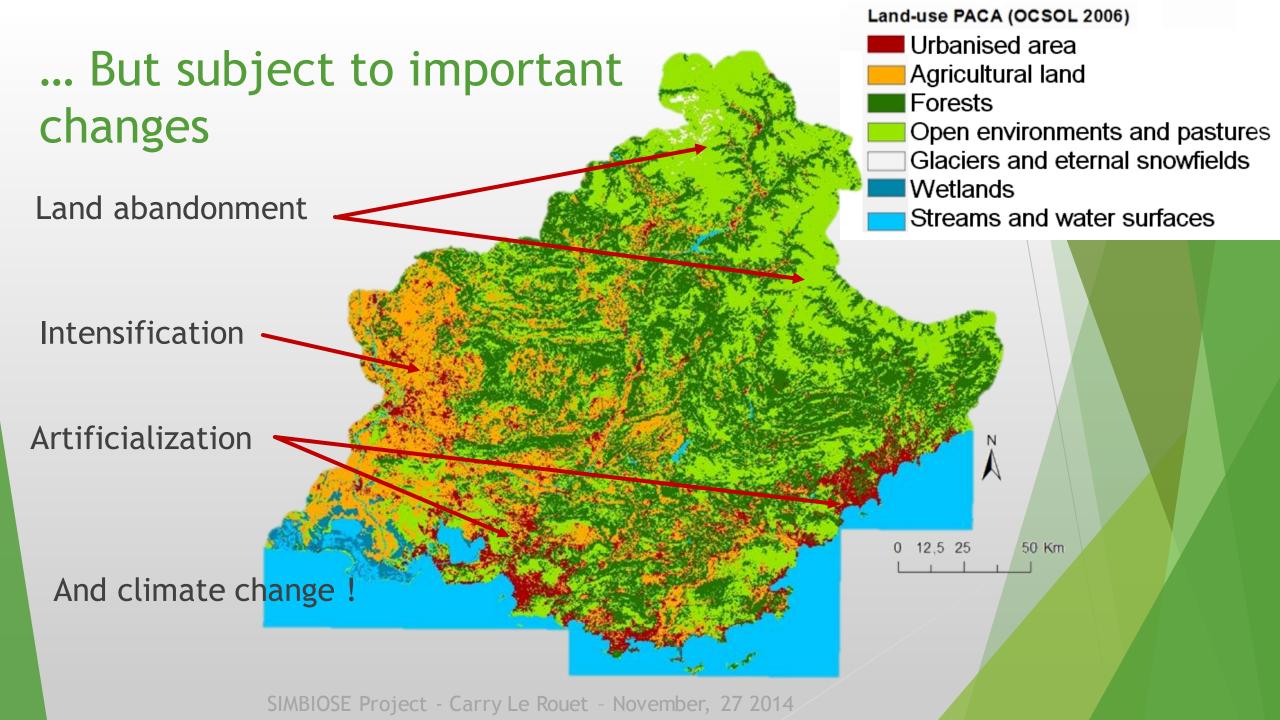
# Contrasted impact of farming practices on biodiversity

Farming practices	Number of publications	Global effect	% of results according with global effect (n=116)
Organic farming	36	+	69
Intensification	27	-	58
Heterogeneity	27	+	74
Edge	22	+	68
Temporal crops	19	+	66
Hedge	17	+	69
Semi-natural habitats (%)	16	+	75
Woody elements	16	+	58
Pastures	15	+	84
Chemical inputs	14	-	69

► Some practices can enhance biodiversity and may be promoted by policies and incentives.









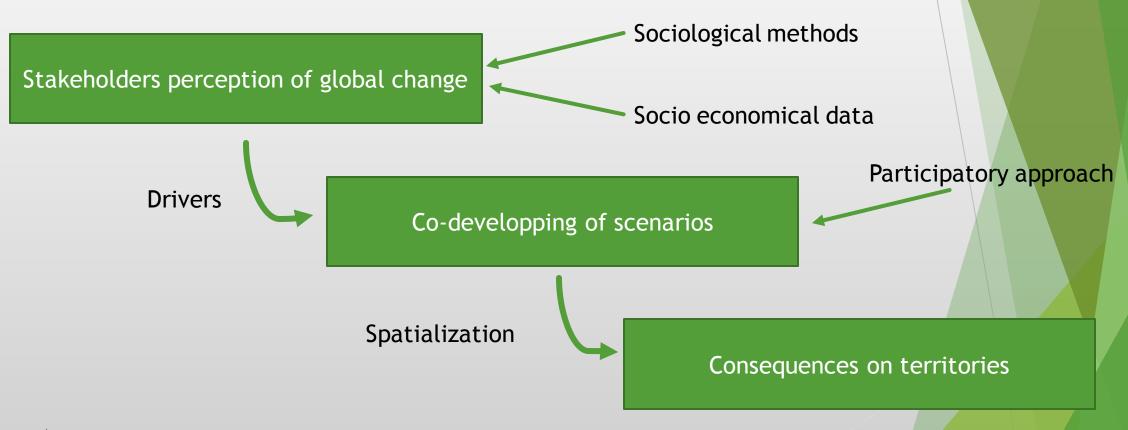
## 3 main research steps to answer

How to protect biodiversity and ES in a changing world?



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Tool for decision makers on policy proposition

### Adequacy with OT Med Objectives

- ► WP3:
  - ▶ Perceptions of local stakeholders
  - ▶ their ability to adapt their practices to global change
  - ► Adaptations in governance
- ► TWP 2:
  - ▶ Integrated modelling of agro-ecosystems
- ➤ Strong links with ADAMS (Agricultural Dynamics And their drivers in the Mediterranean basin across Scales) project, submitted to ARIMNET (project leader: C. Napoleone / M. Debolini (INRA): → Upscaling to Mediterranean basin

