



MINISTÈRE  
DE LA TRANSITION  
ÉCOLOGIQUE,  
DE LA BIODIVERSITÉ,  
DE LA FORÊT, DE LA MER  
ET DE LA PÊCHE  
*Liberté  
Égalité  
Fraternité*



# Programme FRB-MTE-OFB

## *Pressions anthropiques et impacts sur la biodiversité terrestre*

### Restitutions Juin 2025

## Projet MOTIVER

*Développer des indicateurs agroenvironnementaux pour gérer l'impact des changements paysagers sur la biodiversité dans les agrosystèmes européens*

Axe <Synthèse>

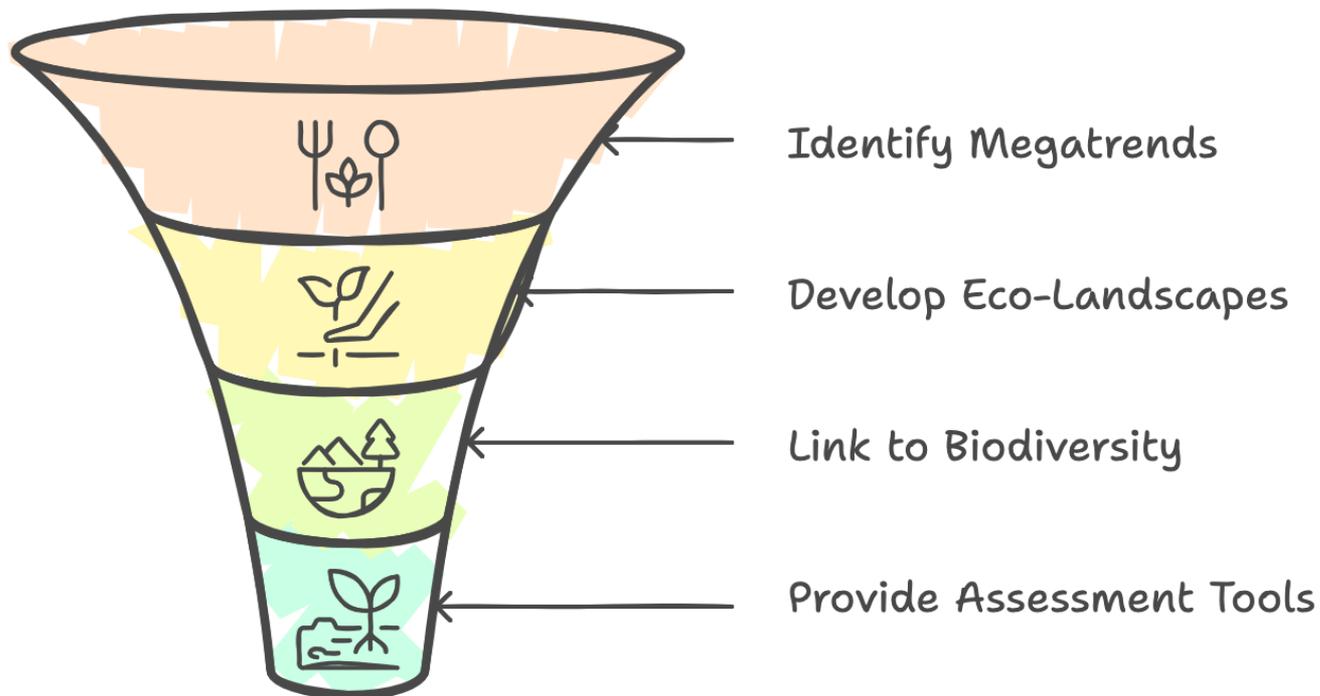
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Université Picardie Jules Verne  
EDYSAN



### Integrating Human Pressures on Biodiversity

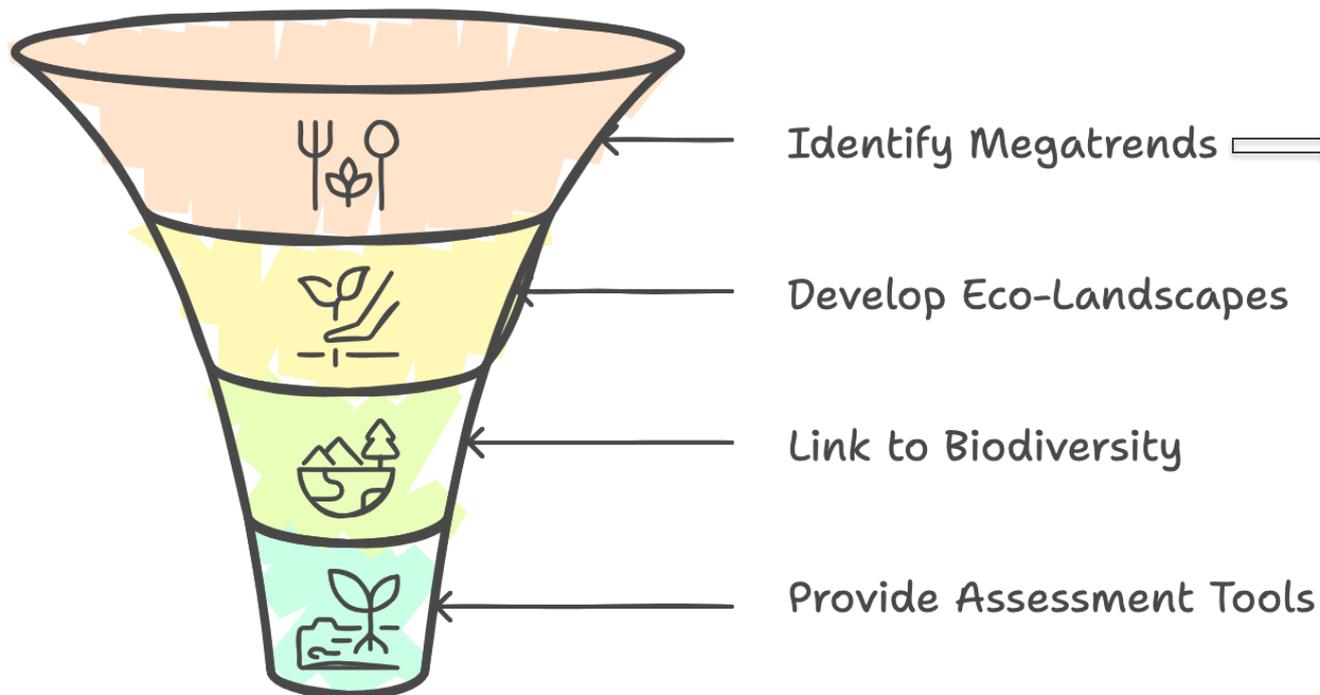
Anthropic activities in  
Agroecosystems



2 Improved Landscape  
Management

## Integrating Human Pressures on Biodiversity

Anthropic activities in  
Agroecosystems

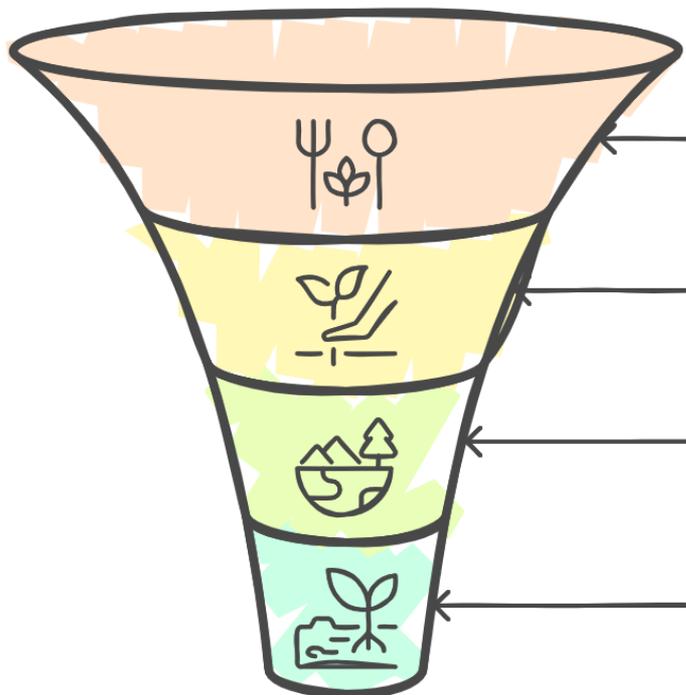


- Climate change
- Demographic trends
- Ideological shifts
- Sociological changes

3 Improved Landscape  
Management

### Integrating Human Pressures on Biodiversity

Anthropic activities in Agroecosystems



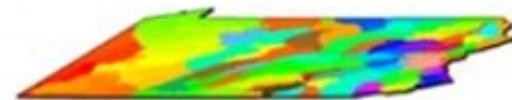
Identify Megatrends

Develop Eco-Landscapes

Link to Biodiversity

Provide Assessment Tools

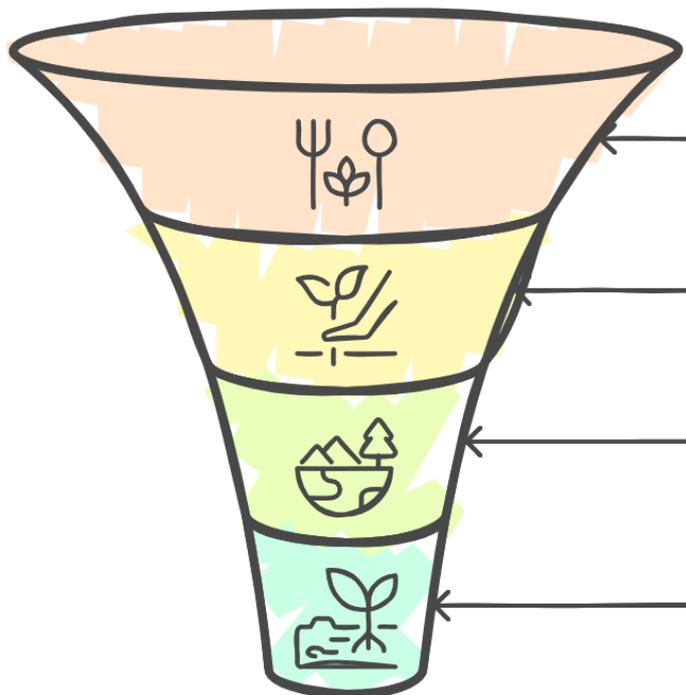
Integrating together, in one-dimensional, land-cover metrics an/or multifactorial metrics related to human pressures



(3) project classified pixels in an **eco-landscape map**

## Integrating Human Pressures on Biodiversity

Anthropic activities in Agroecosystems

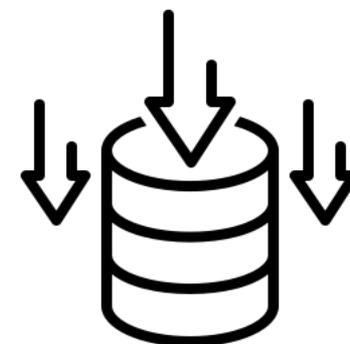


Identify Megatrends

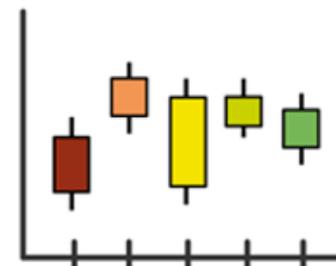
Develop Eco-Landscapes

Link to Biodiversity

Provide Assessment Tools



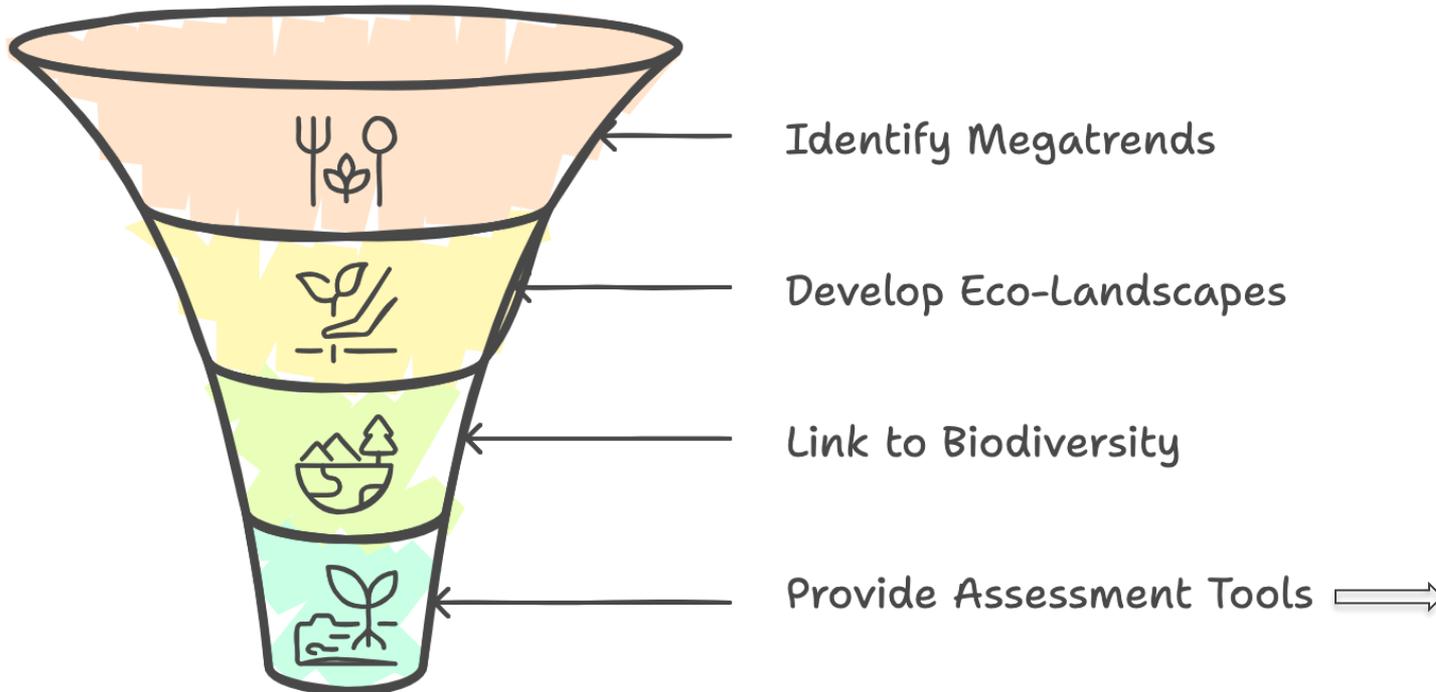
Merging several macroinvertebrate databases



analyze statistically the correlations btw biodiversity patterns vs. eco-landscapes

### Integrating Human Pressures on Biodiversity

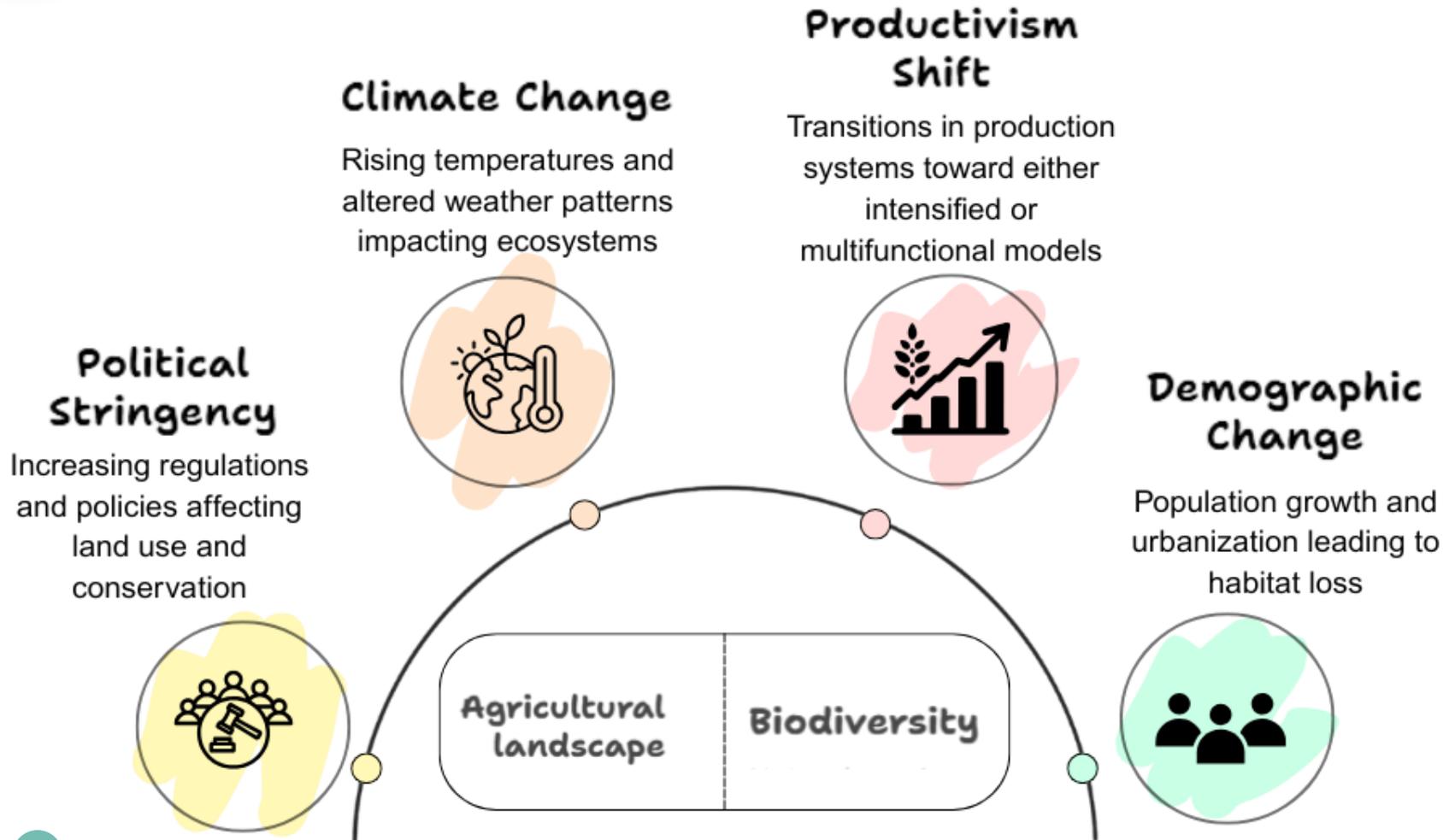
Anthropic activities in  
Agroecosystems



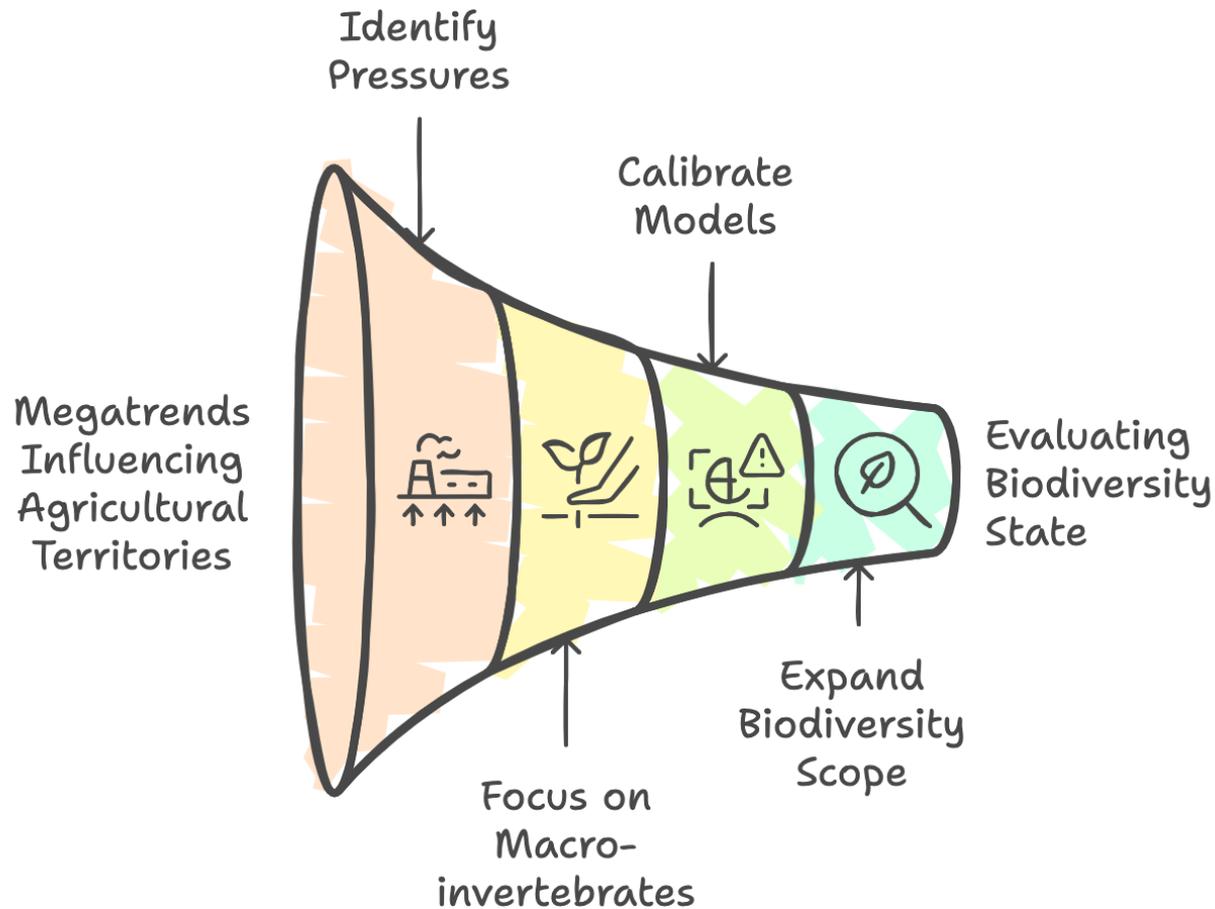
Workshop with a  
group of local  
stakeholders

6

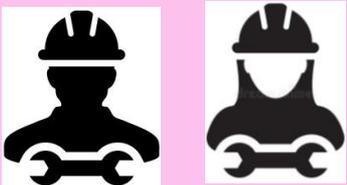
Improved Landscape  
Management



## Biodiversity Assessment Process



## Project Organisation

Characteristic	WP1	WP2	WP3
 <b>Objective</b>	Identify and map major metrics	Compute one-dimensional indicators	Predict biodiversity impact
 <b>Methodology</b>	Literature review, derive maps	Calculate pixel values, classify pixels	Multivariate modelling using B.I. values
 <b>Data Usage</b>	Public and free data	Coarse and fine data	Biodiversity and environmental data
 <b>Expected outcome</b>	Model to identify metrics	Eco-landscape map	Risk assessment of using coarse environmental data
	Socio-economics Geograph Geo-statisitican	Geograph Geo-statisitican	Socio-economics Geograph Geo-statisitican Ecologists

## Multivariate Modeling

Multivariate modelling using  
B.I values



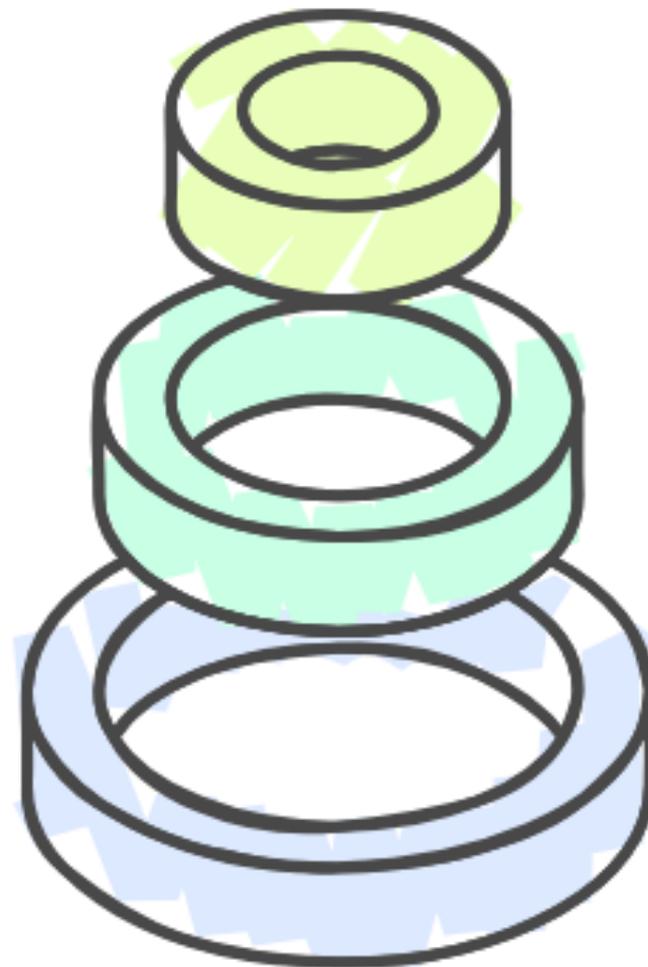
## Ecolandscapes

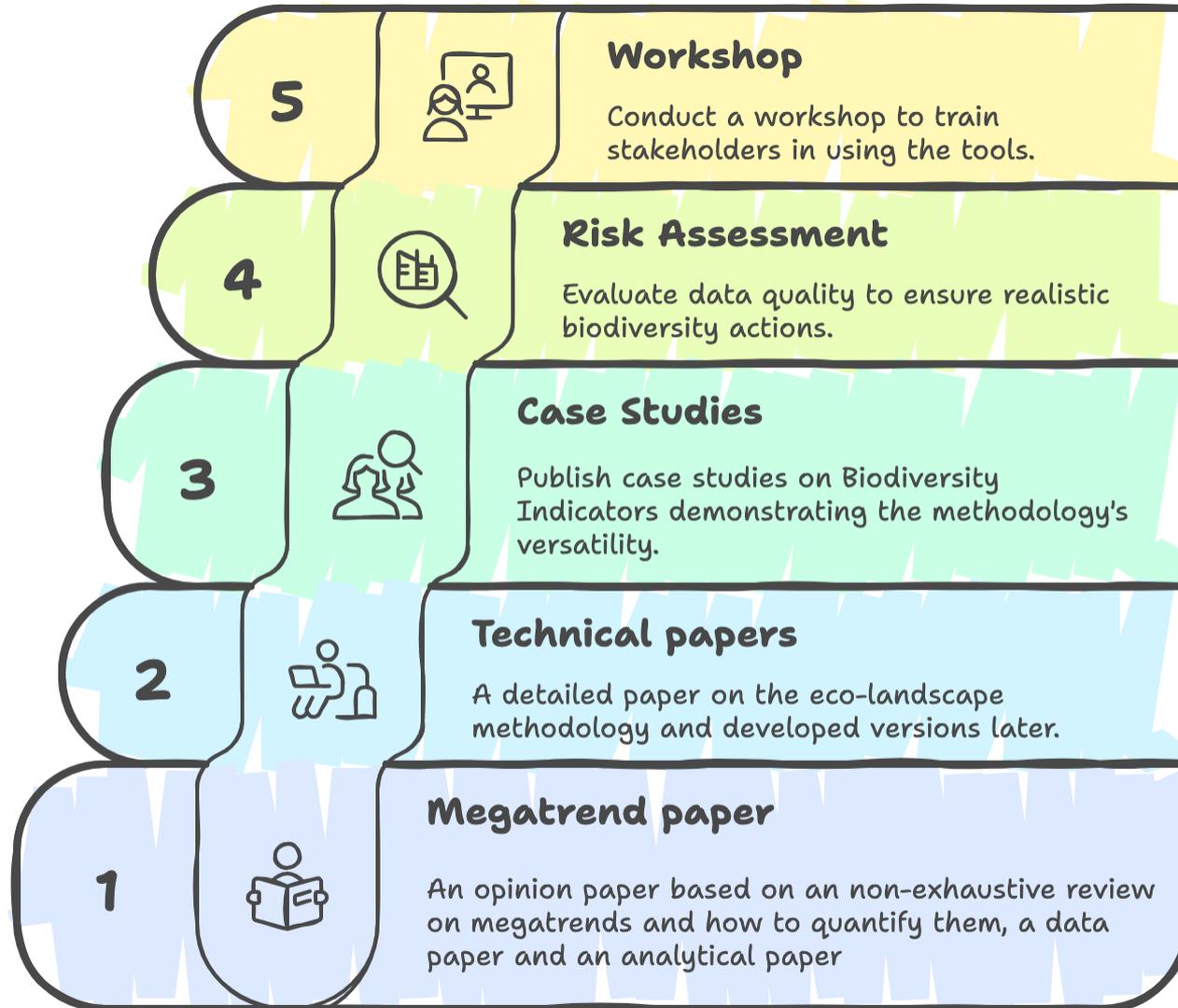
Characterizes landscapes

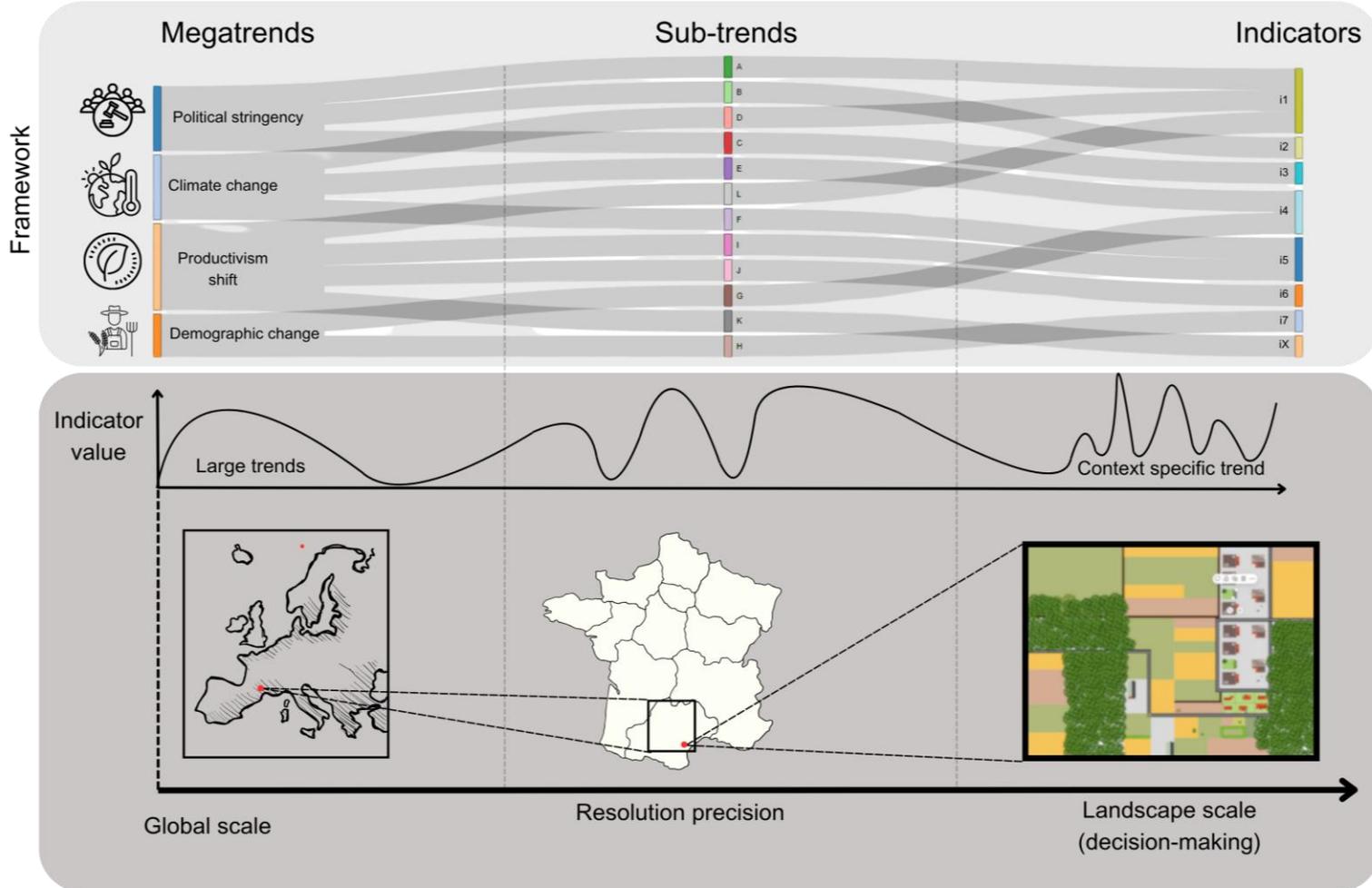


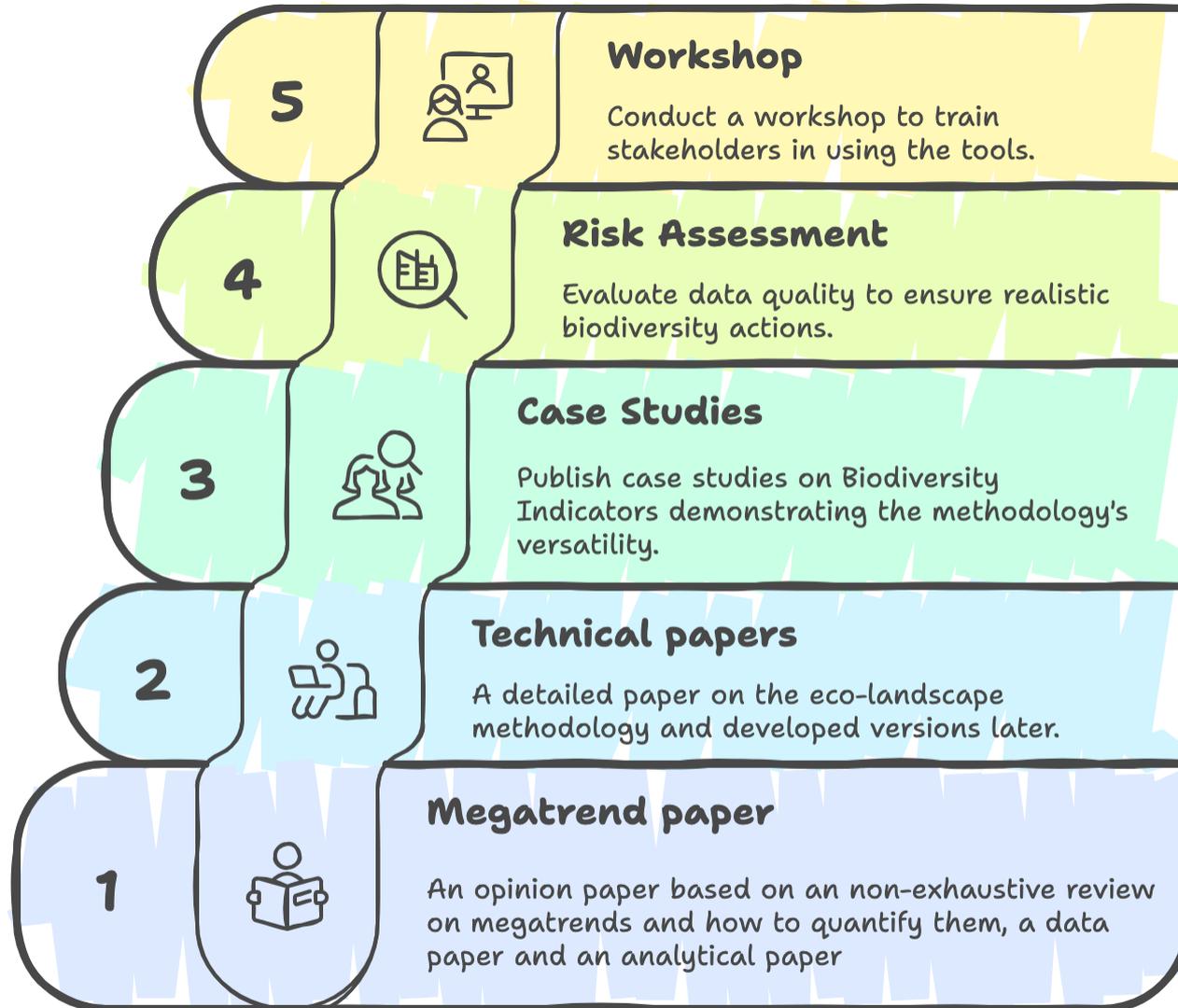
## Literature Review

Characterizes megatrends and maps  
their indicators

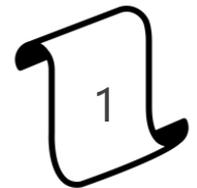








Papers submitted in 2025





## Advance Case Studies

Demonstrate method effectiveness

## Risk Assessments

Biodiversity risks are being assessed with coarse data

## Organize Training Workshops

Training for sustainable land management

