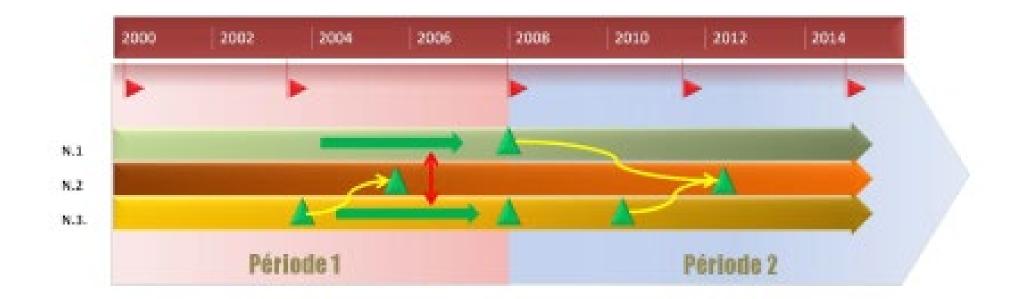


SES friese: How does it represent SES trajectories?

3rd internacional workshop 27th – 30th of May 2019 Colombia - Medellin

www.trasse-project.org



Macro-système										
Système			yse				né=è			
Eléments du système	1		Systémolyse		Bifurcation avortée		Systémogéné=è			
	2					Svsté	Systé			
	3									
Années					\longrightarrow					

Methodological guide

- 1. Problematize the trajectory or observed process (describe it in a sentence ; give a title to the frieze)
 - Only one process to avoid dispersion
 - (Mex) Diversification of livelihoods to better cope with climate change stressors
- 2. Boundary markers:
 - When does it start? Ends? Why?
 - (Col) Before the dam was built Now
- 3. Define the ingredients (lexicon)
 - Each ingredient is one horizontal axis
 - SES sub-systems and key variables (2nd and 3rd variable levels)
- 4. Time line per ingredient

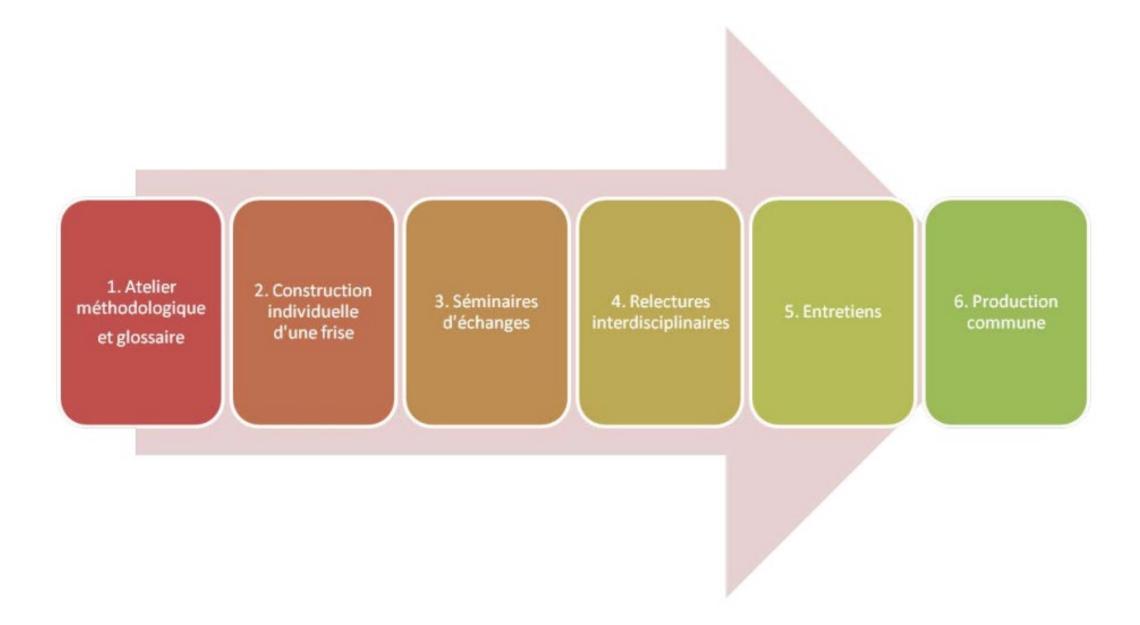
After step 4 we have....

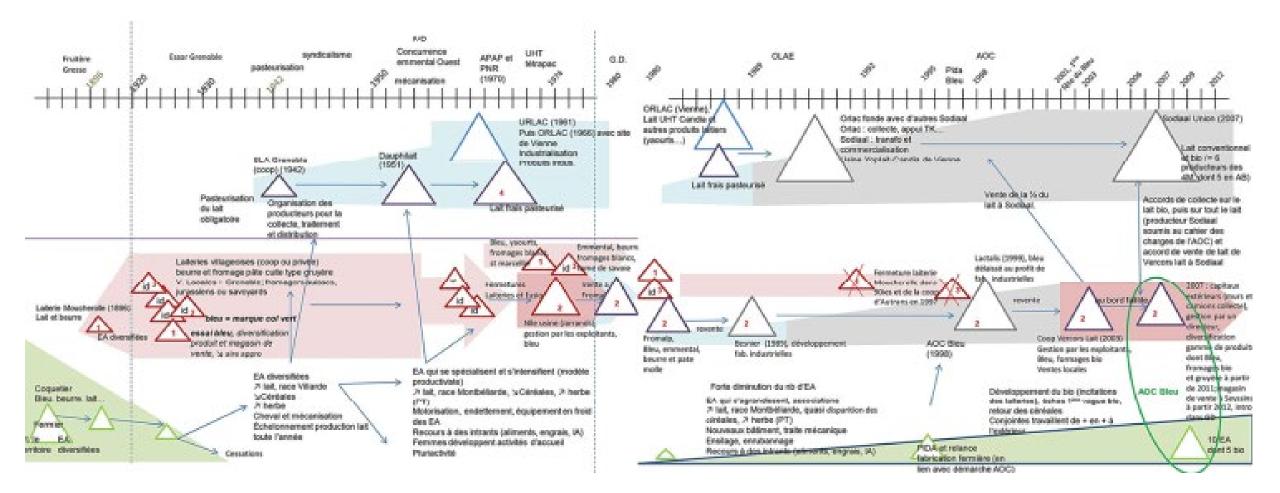
	Borne initiale	← échelle temporelle →	Borne finale
Processus de changement	Etat initial		Etat final
Ingrédient 1		\leftarrow marquage temporel propre \rightarrow	
Ingrédient 2		\leftarrow marquage temporel propre $ ightarrow$	
Ingrédient 3		\leftarrow marquage temporel propre $ ightarrow$	
ingreatent 5			

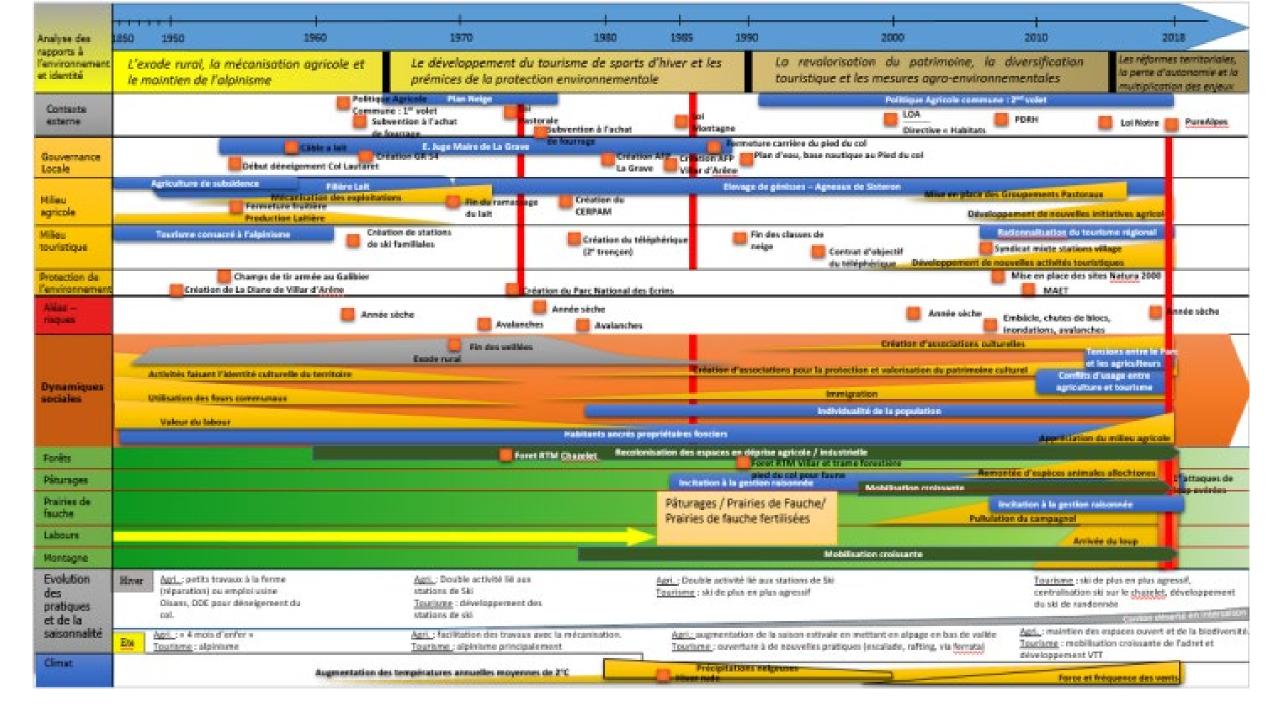
- 5. Milestones per ingredient:
 - Historic evolution and transformation per ingredient (systematic research // social-ecological history)
 - Events / trends and movements / configurations

	Borne initiale		← échelle temporelle→		Borne finale
Processus de changement	Etat initial				Etat final
Ingrédient 1			←échelle temporelle→		
		Ev 1.1	Ev 1.2		
Ingrédient 2			←échelle temporelle→		
		Ev 2.1		Ev 2.2	
Ingrédient 3			←échelle temporelle→		
			Ev 3.1	Ev. 3.2	

- 5. Configurations
 - A state after an event
- 6. Dynamic relations (7 types)
 - Linear and non-linear interactions within and between ingredients
 - Succession // Direct cause // Synergie // Feedback // Time-lag // Conflict // Resistant // Others? ...
- 7. Sequence (periods of a process)







To conclude:

- Has been used as an object for interdisciplinarity but not as an end in itself
- How to improve vision of interactions? (Ref. of Sophie)
- Goes along a narrative and argumentative analysis
- Disadvantages:
 - Visioning can be messy
 - Causal mechanisms are qualitative for the most part
- Advantages:
 - Integration of research per sub-subsystem/specific question
 - Compact visioning
 - Retrospective approach (input for scenarios)
 - Cross-researcher review