

Integrated participatory modeling using the CoOPLAaGE toolkit



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Introduction

« Citizen science »

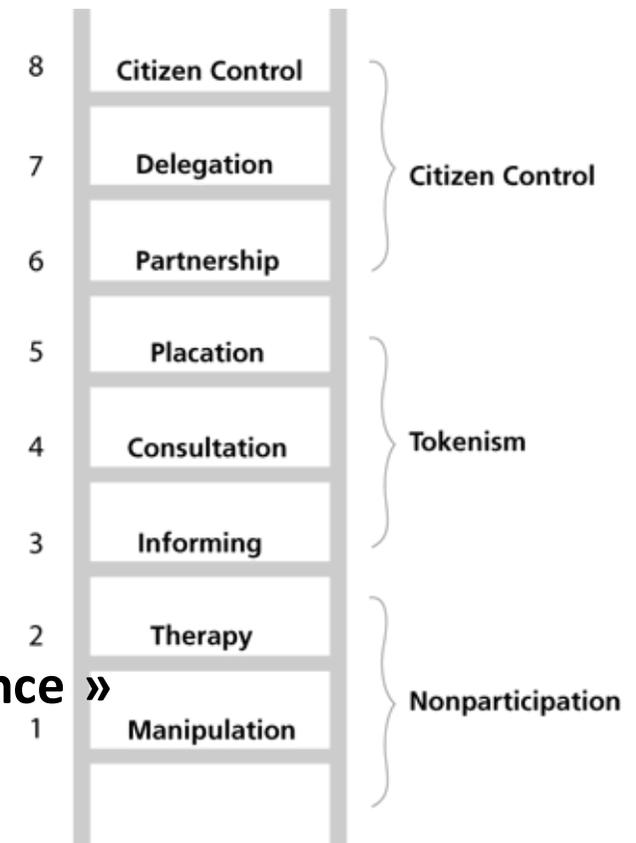
- Mainly utilitarian and extractive
- Scientific instigators (commanditaires)
- Lack of resort to « citizen's intelligence »

In order to **make public decisions in a situation of uncertainty**, we need to **resort to « citizen's intelligence »** through:

- A strong ownership
- Consistency with local realities

Two implications:

- Need to **co-engineer public policies with citizens** > **participatory planning**
- Need to restore the legitimacy of different perspectives which determine action > Major **methodological challenge** to reflect about knowledge, its production, evaluation and use > importance of research on, or **monitoring and evaluation** of these decision-action processes



Arnstein's Ladder (1969)
Degrees of Citizen Participation

3

Overview of my presentation

Co-engineering public policies

➤ The CoOPLAaGE toolkit



Reflecting about knowledge, its production, evaluation and use

➤ The M&E methods





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THE COOPLAAGE TOOLKIT

The CoOPLAaGE tools

CoOPLAaGE = an integrated set of participatory methods, tools and protocols designed to support stakeholders, from citizens to policy makers, to discuss, negotiate and engage meaningfully in change strategies in socio-environmental systems.



1

Preparing participation



2

Exploring Justice



6

Monitoring and evaluation



3

Creating a playable model



5

Testing and discussing plans



4

Elaborating an integrated action plan

6

Preparing Participation (PrePar)



OBJ = Decide the principles and rules of the emerging participation process



Stages of the process



Scale	Actor sample categories	Your actions	Initiation Phase	Procedural design / Preparation	Baseline / Diagnosis	Focusing / Framing	Options proposal	Integrated State design
YOUR ROLE	Process Leader / Initiator							
	Process manager							
	Facilitator							
	Director of the Catchment & Water Services							
	Mayor of the Heliopolis City							
	Representative of the Environmental NGO							
	Delegate of the Smallholders Farmers Association							
	Chair of the Industry & Commerce Chamber							
	The People of Gilmo - delegate							
	Others							
International	Organizations							
	NGOs							
	Corporate							
National	Government							
	NGOs							
	Unions							
Regional	Medias							
	Administrations							
	Industrial plants							
Community	Services & Utilities							

Stakeholders



Actions (leads, observes, advises, models...)

Exploring Justice (Just-A-Grid)

Just-A-Grid



OBJ = Discuss the social justice principles for sharing land and water.

	Farmers	District government	NGO	Private company	...
Normal	••	••	•	•	
Dry	••	•	••	•	

1. Individually
2. Collectively

Stakeholders



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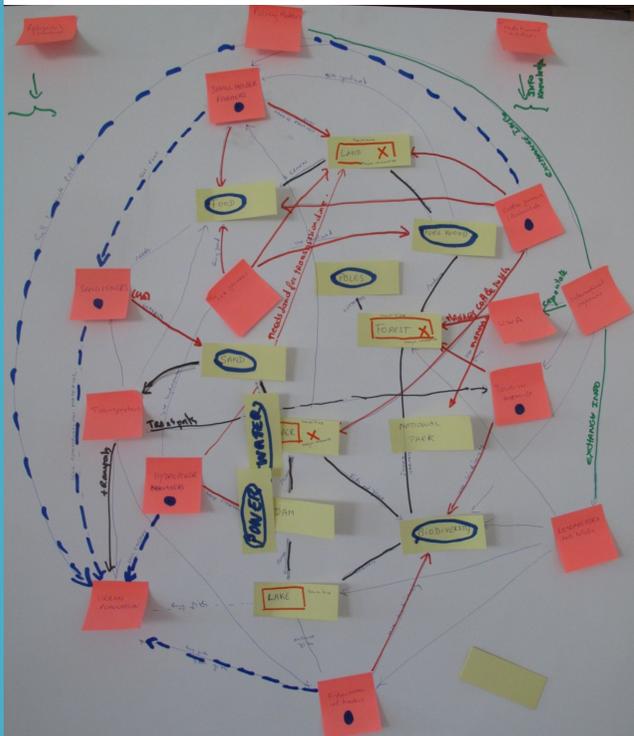
Creating a playable model

Wat-A-Game

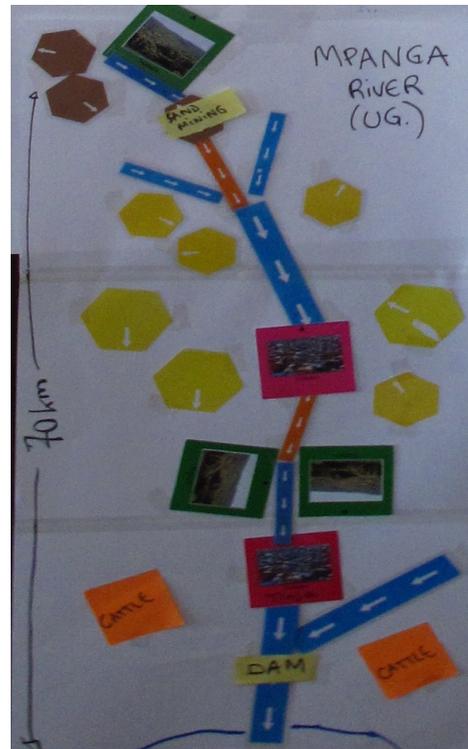


OBJ = Prepare a local model for participatory simulations of local situation and new options.

Functional mapping



First version of the model



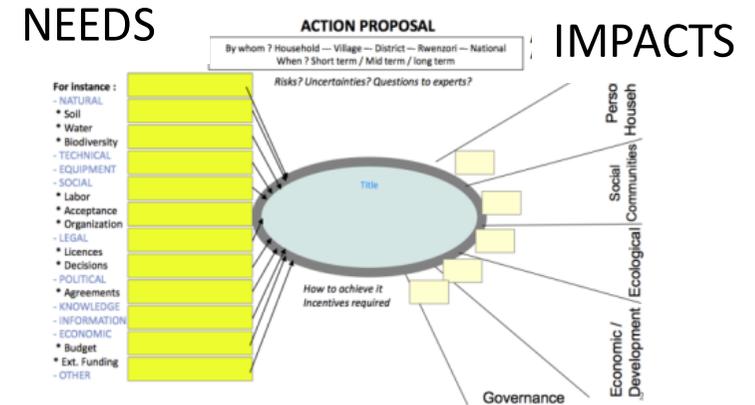
Final version of the model



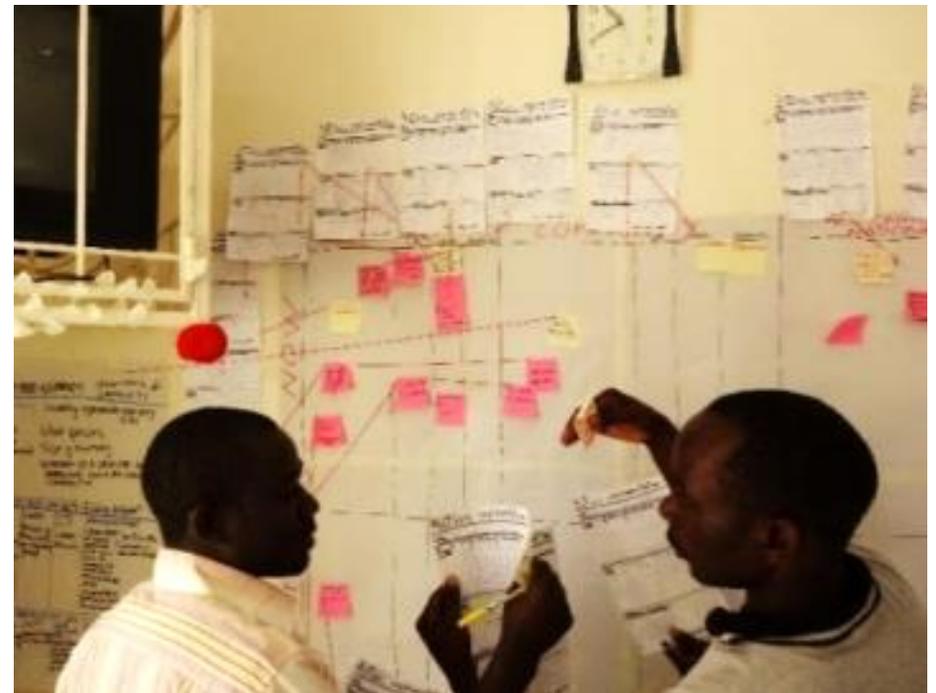
Elaborating an integrated action plan (CooPlan)



OBJ = Propose and structure actions, and then assess their coherency, feasibility and efficiency



	NEEDS	ACTIONS	IMPACTS
Short term			
Mid term			
Long term			



Testing and discussing plans (Wat-A-Game)

Wat-A-Game



OBJ = Experiment the plan with the role playing game and validate a joint adaptation strategy.



Example of the Ugandan process using the CoOPLAaGE tools

Fogera (Ethiopia)

6 phases



Preparing Participation



Focal issue



Actions identification



Planning



Modeling & Role-playing-game



Implementation plan



Rwenzori (Uganda)





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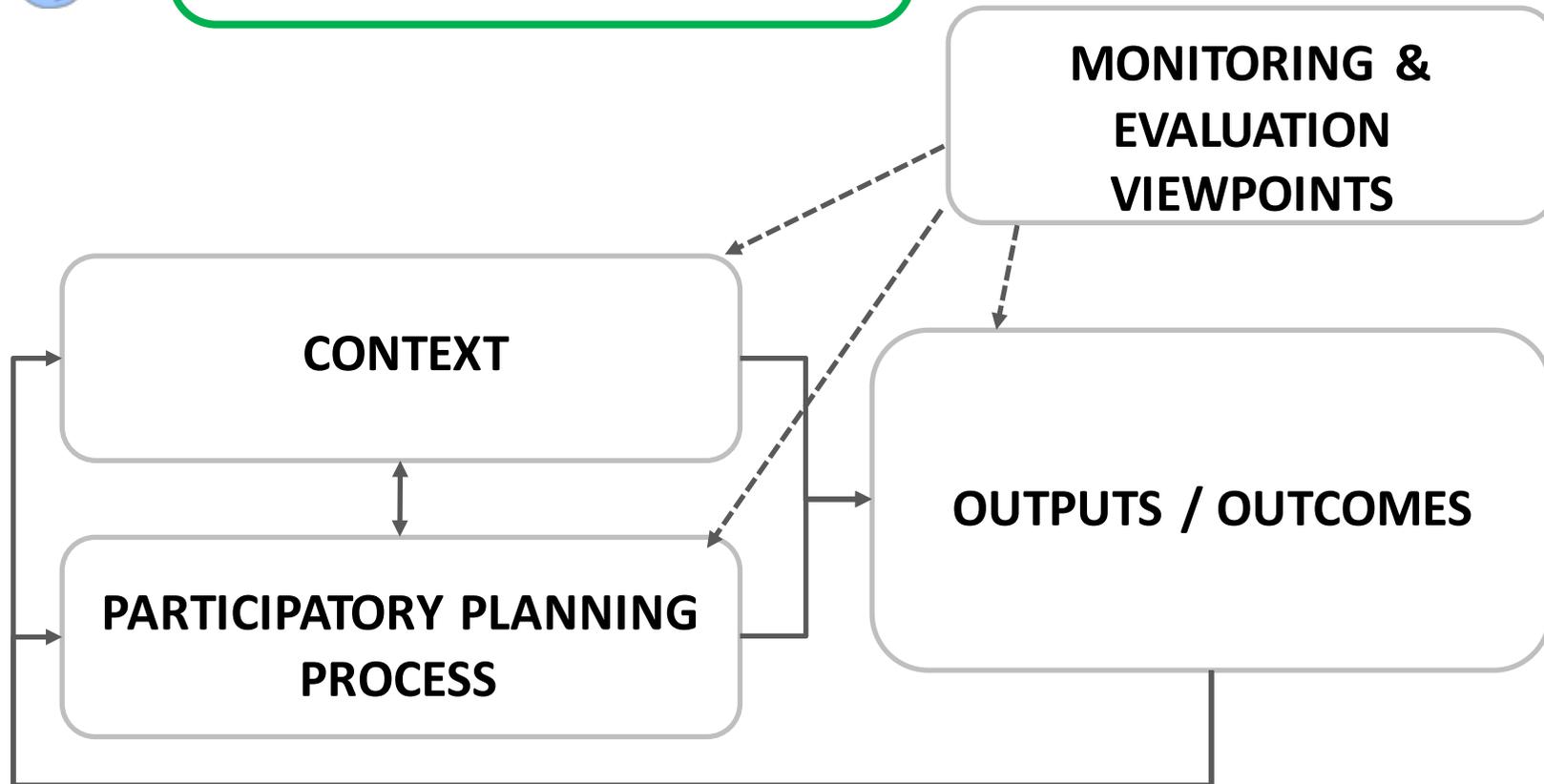
ZOOM IN ON THE M&E

Monitoring and evaluation (M&E)

Encore-Me

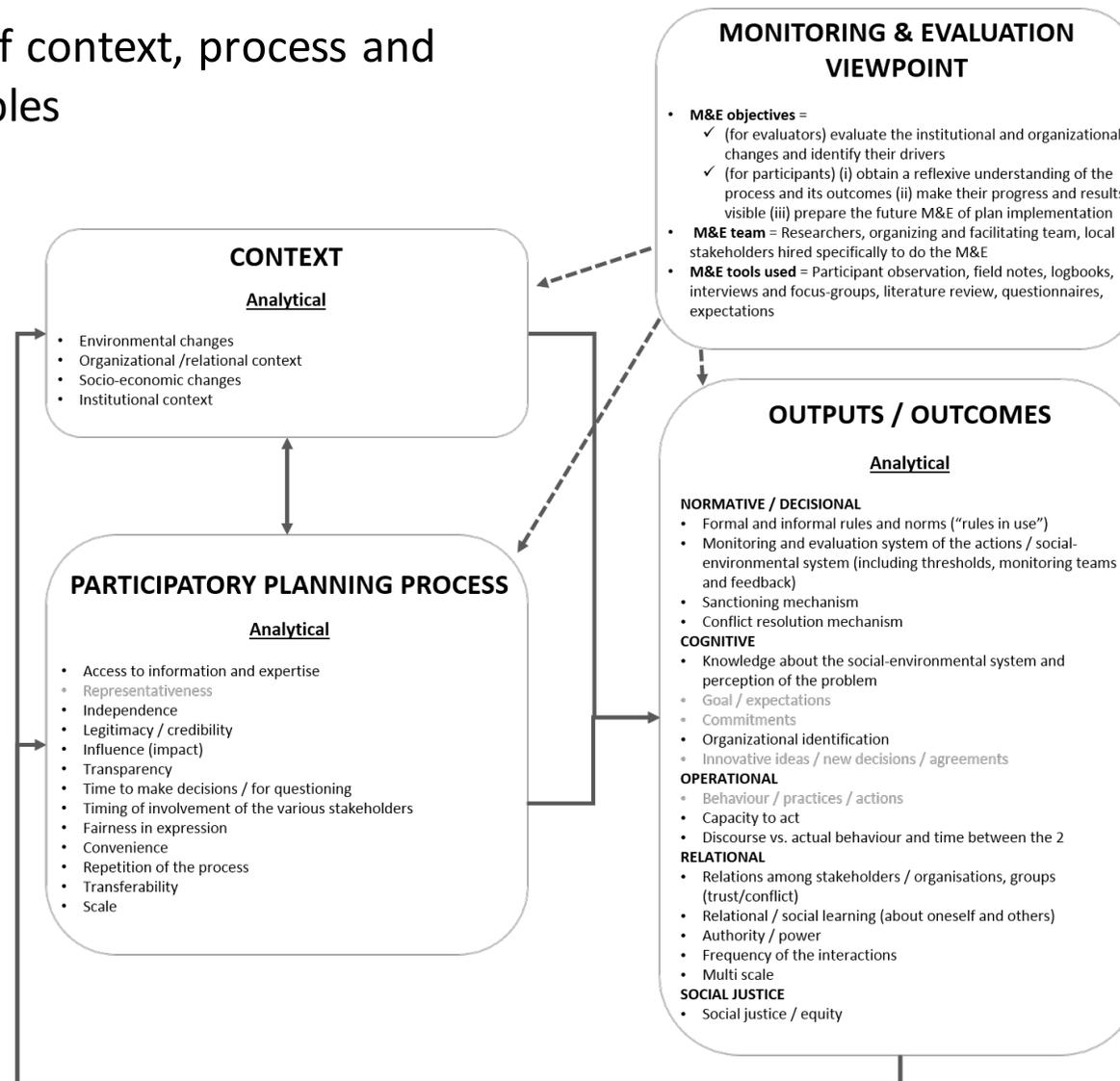


OBJ = Learn about the changes in knowledge, preferences, actions and relations

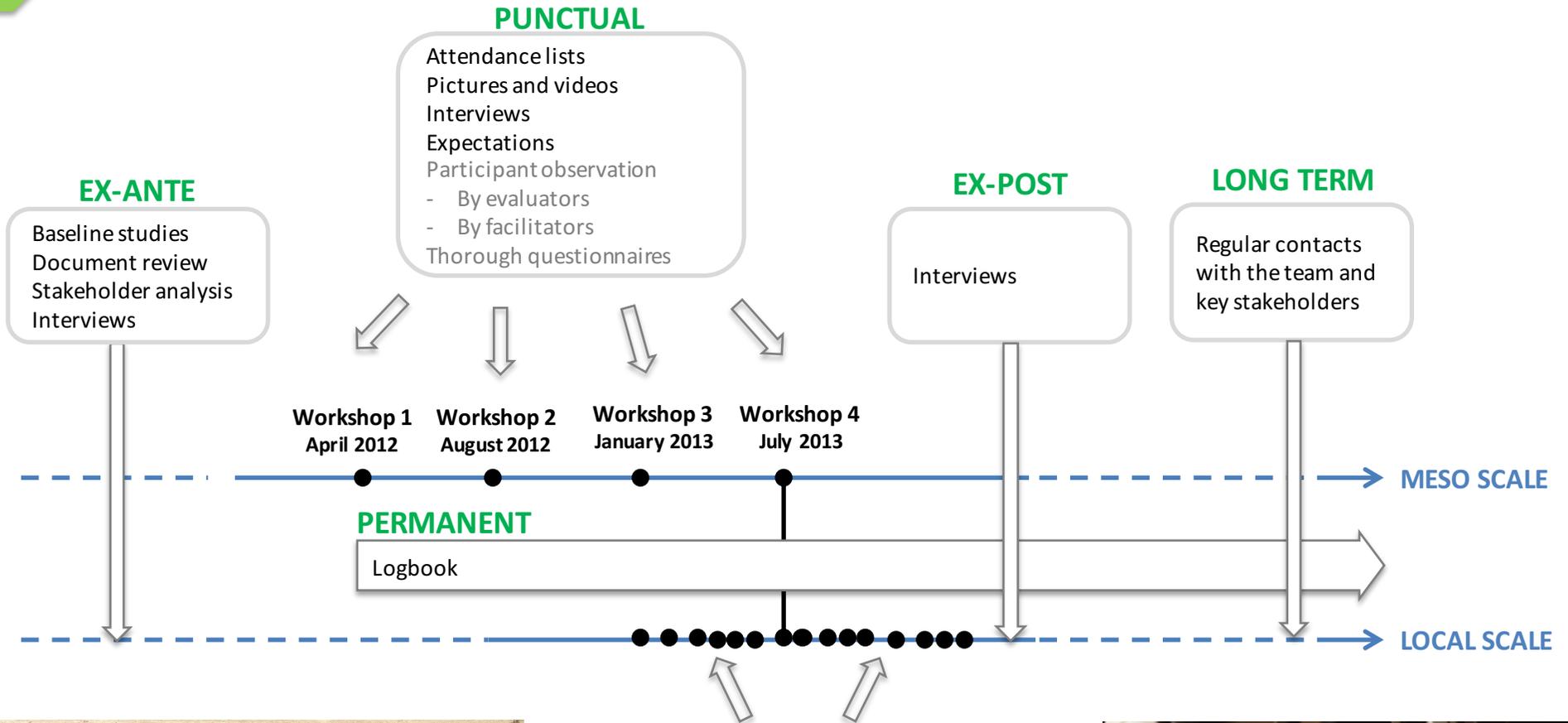


Monitoring and evaluation (M&E)

Identification of context, process and outcome variables

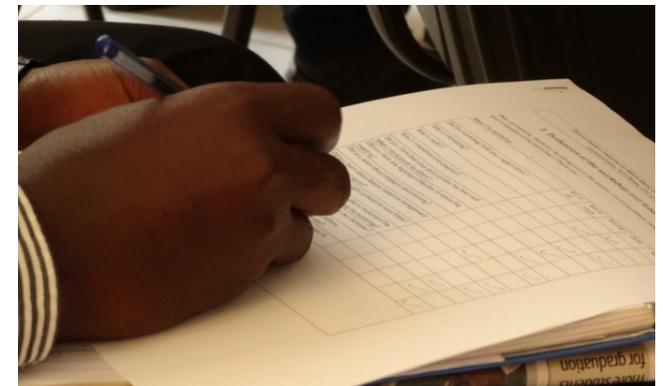


Monitoring and evaluation (M&E)



PUNCTUAL

- Attendance lists
- Pictures and videos
- Interviews
- Expectations
- Participant observation (using debriefing sheets)
 - By rapporteurs
 - By facilitators
- Simple questionnaires



PERMANENT (every day)

Logbook

Events' form

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Events' file

ID	Type	Start Date	End Date	Project	Start	End	Participants	Language	Location	Support	Observation / Description	Outcomes	Source
1	Workshop	2010-01-15	2010-01-16	AFRO	10:00	12:00	10	English	AFRO	AFRO	Workshop on the importance of the role of the community in the development of the country.	Participants were able to identify the role of the community in the development of the country.	AFRO
2	Workshop	2010-01-15	2010-01-16	AFRO	10:00	12:00	10	English	AFRO	AFRO	Workshop on the importance of the role of the community in the development of the country.	Participants were able to identify the role of the community in the development of the country.	AFRO
3	Workshop	2010-01-15	2010-01-16	AFRO	10:00	12:00	10	English	AFRO	AFRO	Workshop on the importance of the role of the community in the development of the country.	Participants were able to identify the role of the community in the development of the country.	AFRO

- 3 forms/files:
- Events
 - Participants
 - Participants/Events



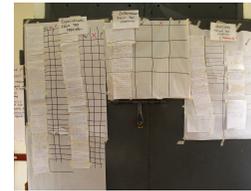
PUNCTUAL MESO & LOCAL scales

Attendance lists

Pictures and videos



Expectations



Interviews



PUNCTUAL MESO scale

By external evaluators



Participant observation

By facilitators



Thorough Questionnaires



PUNCTUAL LOCAL scale

By rapporteurs (local observers)

Rapporteur debriefing sheet



Participant observation

By Facilitators

Facilitator debriefing sheet



Pictures and videos of the documents



Simple Questionnaires



Transfer to M&E team via online database

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Monitoring and evaluation (M&E)

The « rapporteurs » (local observers): citizens monitoring the participatory process

Participant observation

Rapporteur debriefing sheet

OBJECTIVE	TO DO	DATE
What content do the participants raise about the process?	What are the main issues raised by the participants?	
For general use for processing data		
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For general use for processing data		
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For general use for processing data		
What content do the participants raise about the process?	What are the main issues raised by the participants?	
For general use for processing data		

Did each participant have the opportunity to speak? (Yes/No) (If No, who did not speak?)

Were there any participants who spoke more than once or for a longer time? (Yes/No) (Who, about what and for how long?)

DOES SOMEBODY ELSE DO ANYTHING AFTER THE MEETING?

Discussions, meetings, activities:

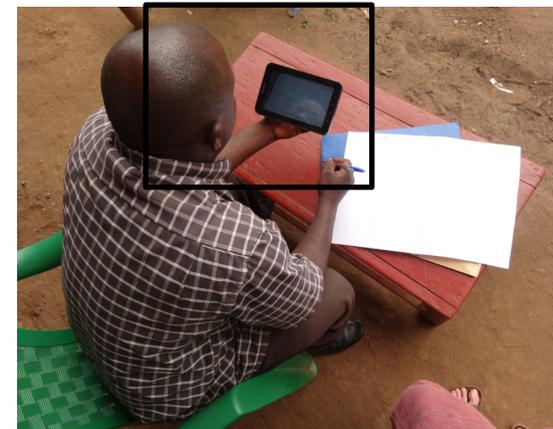
Has anyone organized, changed or stopped the activities?

Changes in the material (for example, maps, photos, ...)

Interaction with external stakeholders:

About their opinion on external stakeholders and organizations:

Other:



Pictures and videos of the documents & the process



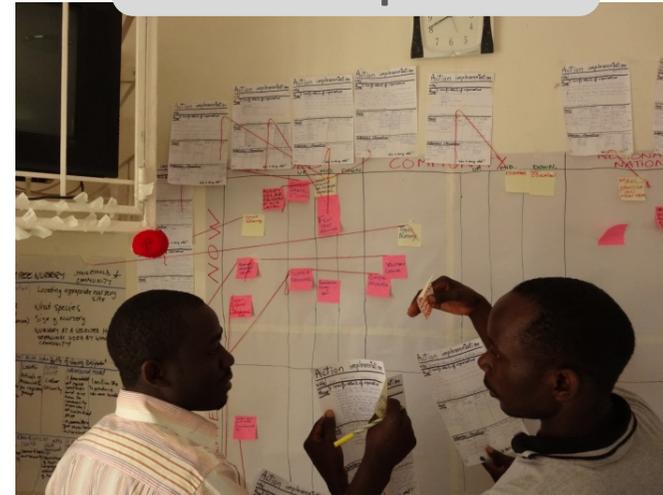
Transfer to M&E team via online database

Main outputs and outcomes

Individual and collective actions



Rwenzori region INRM plan



Institutional dynamics

Capacity-building, learning, collaboration and trust



Conclusion

Perspectives regarding citizen science and decision-making:

1. Reintegrate an information part within CoOPLAaGE
2. Coengineer collective strategies to produce knowledge and arbitrate on the « true »
3. Experimenting protocols to test the benefits of « real » participation in a management system
4. Strong autonomisation on the ground

Main stake =

go beyond the implication of citizens to produce scientific knowledge:
towards the **co-engineering of public policies**

THANK YOU!



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