

Fostering Multi-stakeholder Co-learning for More Sustainable Resource Use and Improved Livelihoods in Mozambique



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Introduction

Central Mozambique: Tete province is home to the world's largest coal deposit, its tasty goats travel as far as 1.600 km to Maputo butcheries. But farmers struggle to profit adequately: markets are frequently dysfunctional; El Niño and climate change render rainfall increasingly unreliable; information and inputs are scarce. In this challenging environment, we seek to facilitate capacity building and self-organization, to strengthen relations between the actors of the agricultural value chain, and to promote conversion to more sustainable use of natural resources.

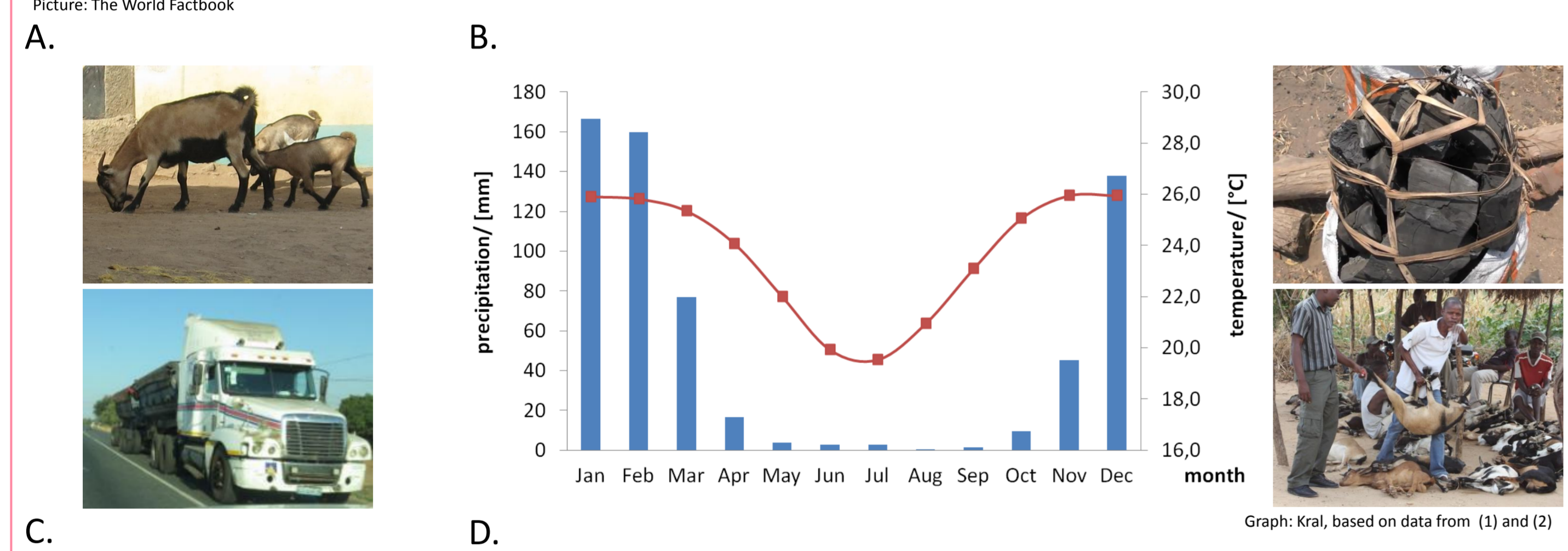
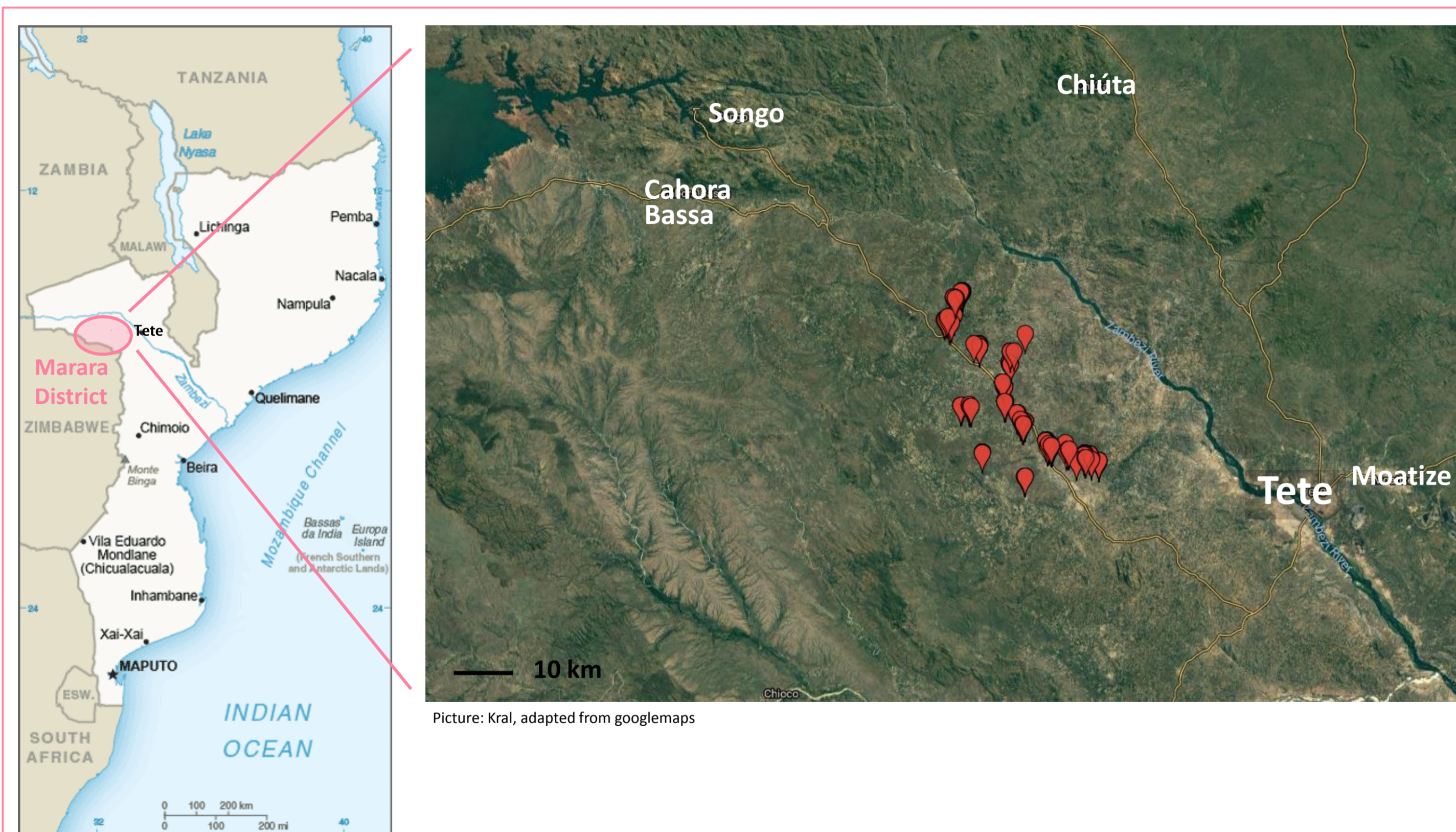


Figure 1. A. Map of Mozambique. B. Study site with sites of soil sampling (yellow pins). C. Goat husbandry and expanding local markets are opportunities. D. Average temperatures and rainfall make farming challenging. Charcoal production as side business. Difficult relations between market actors.

Our Approach

An open Innovation Platform (IP) provides stakeholders with room for exchange, co-learning and co-development of sustainable, local solutions to local challenges.

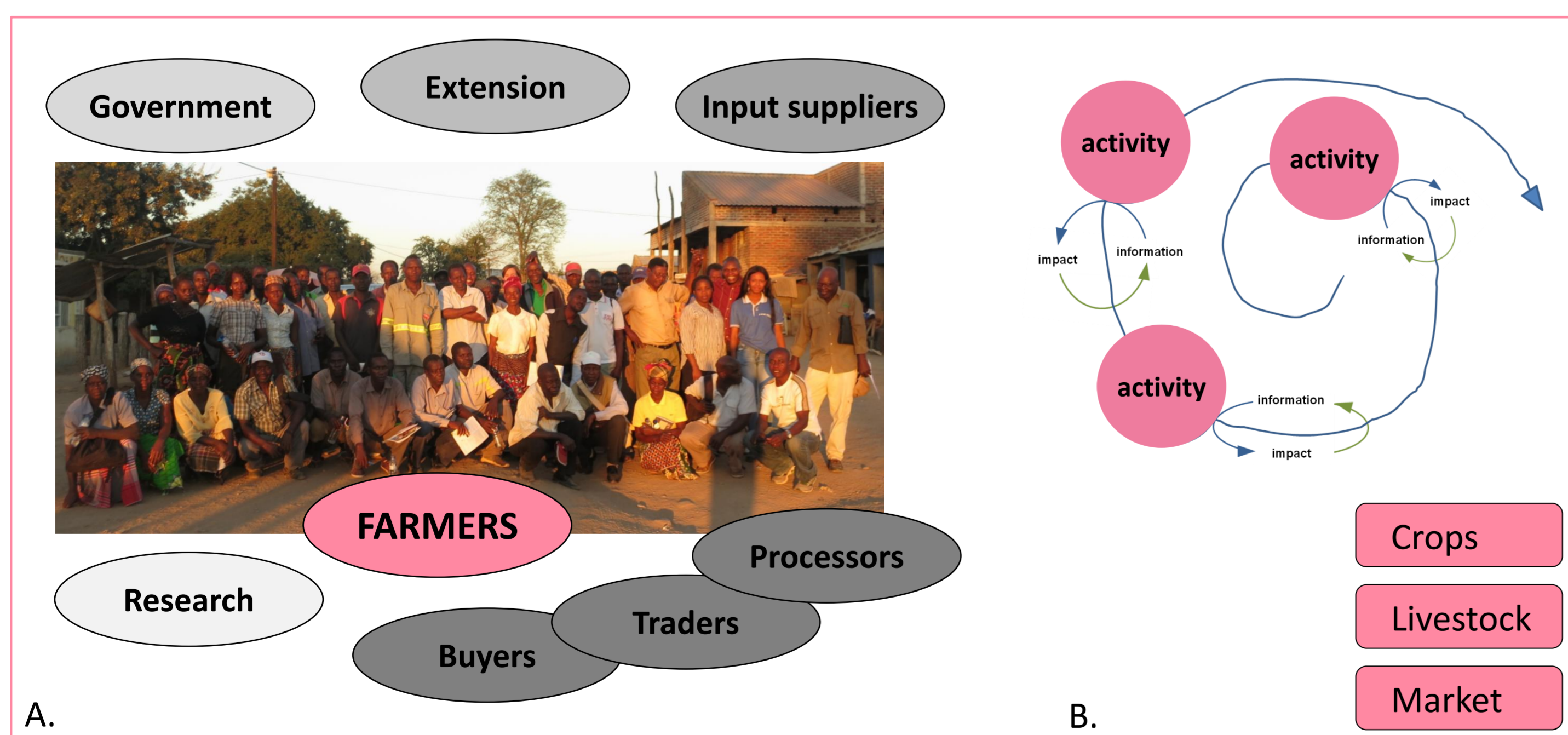


Figure 2. A. Different actors in the open IP. Via joint activities, stakeholders experience each other as sources of knowledge and as partners. B. Learning is an iterative process and works in spirals: Feedback from activities informs the next steps. Activity clusters exist for crops, livestock and markets.

Can the IP help to address barriers that keep farmers from using their full potential? How can the IP facilitate this?

Concept

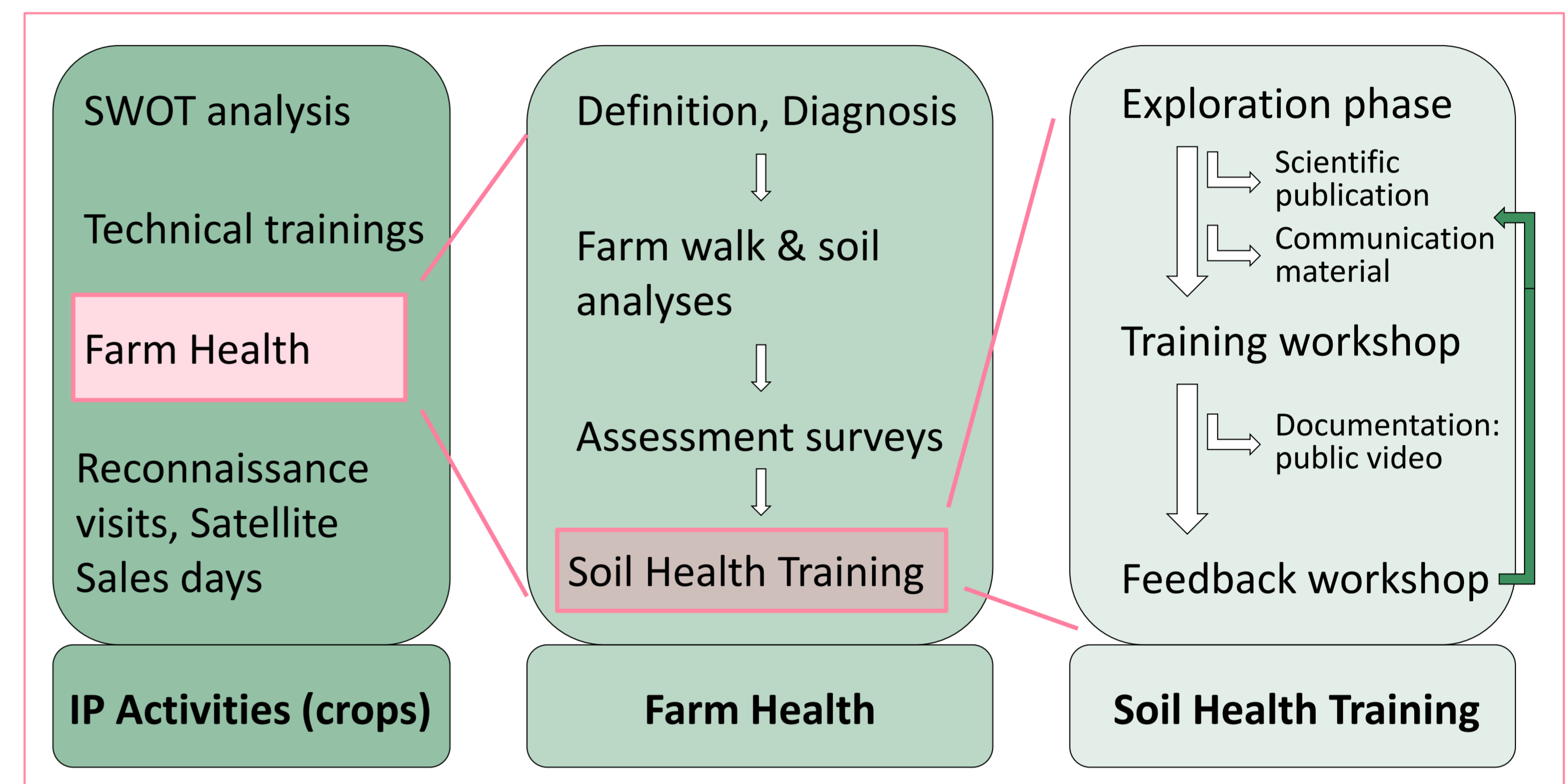


Figure 3. Concept of the Farm Health (FH) activities within the IP approach and zoom in on the Soil Health Training (SHT).

Farm Health Assessment



Figure 4. A. The IP Farmers' definition of a healthy farm. B. Farmers evaluated how FH activities influenced their agricultural management and social networks.

Soil Health Training

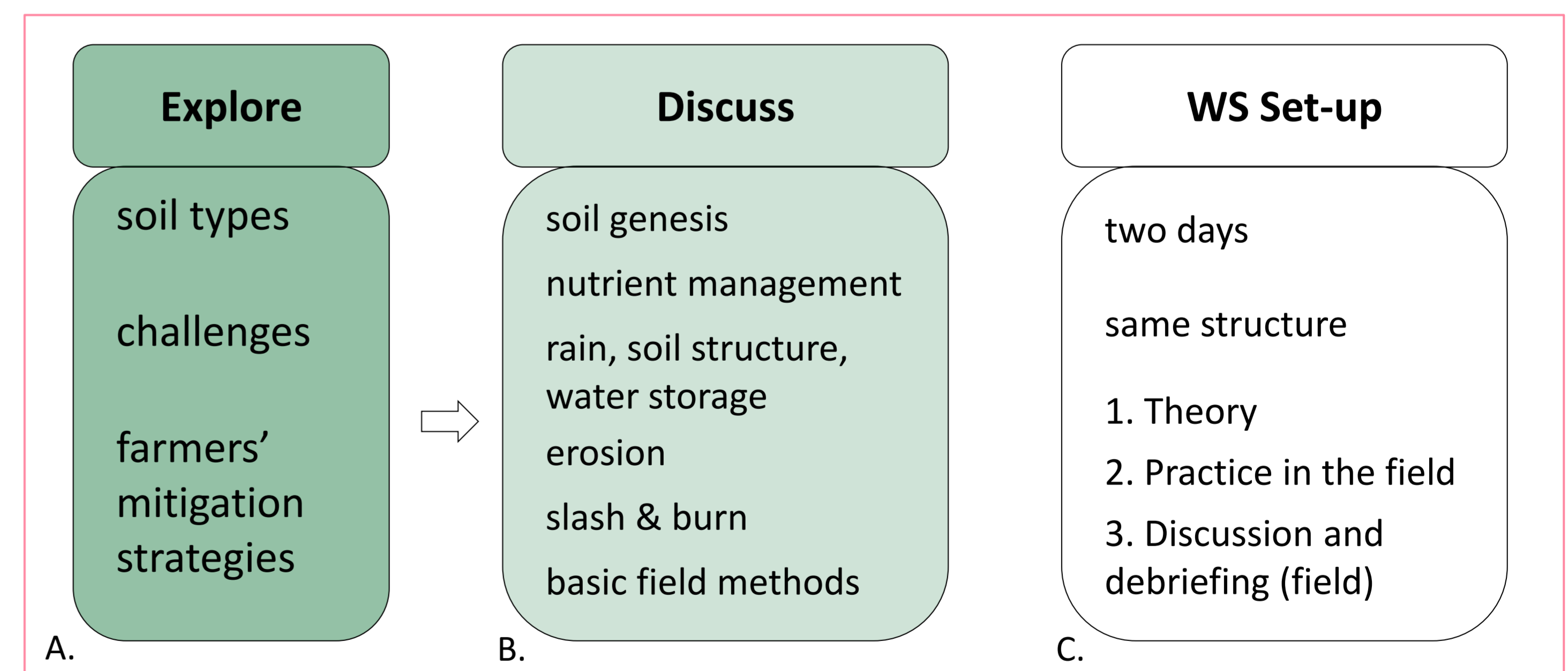


Figure 5. Topics and steps in each phase. A. Exploration. B. Workshop (WS). C. Workshop set-up. Feedback loops: during SHT, in separate WS, 1 focus group discussion, 2 key information interviews.

Feedback and Conclusion

„My whole life, I have used fire to open up new fields, but it's crazy. And I could only use them for a couple of years, then I had to shift to new ones. Now that I know what happens in the soil, I would never do it again.“ (farmer)
 „Don't worry, if I hadn't thought yesterday was useful, I wouldn't have returned today!“ (farmer)
 „This is how we should do it, just go out to the fields.“ (extension)

Link

https://youtu.be/QyTxiEY_VK4

IT'S SCIENCE

Research that makes a difference



References

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