

Transformation to sustainable smallholder agriculture

Approaches, innovations and challenges of the the model farm, run by the association «Etoile Verte» in cooperation with it's swiss partner «Glück für Togo»



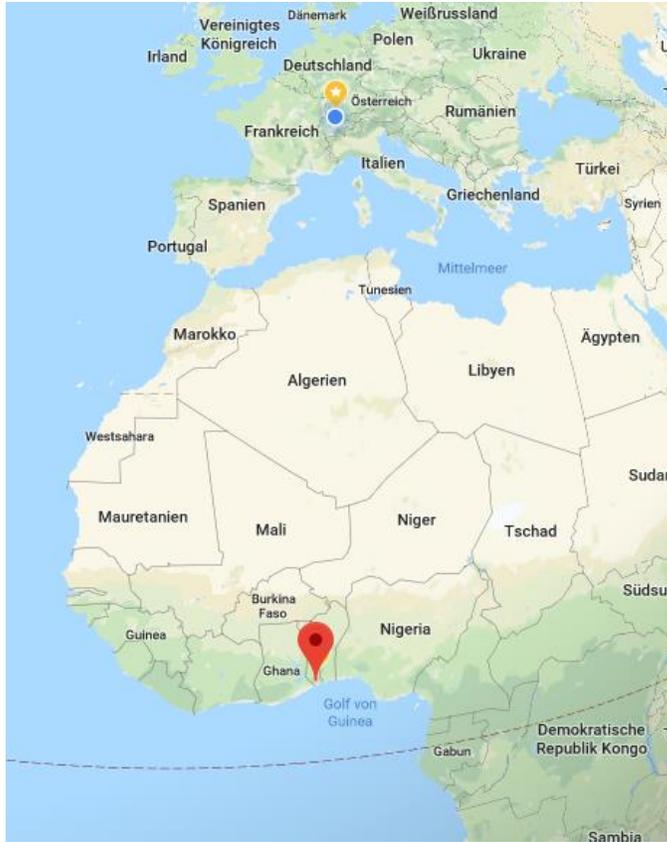
**HAPPY
TOGO**



**ÉTOILE
VERTE**



FeMoDo
Ferme modèle
de Donomadé



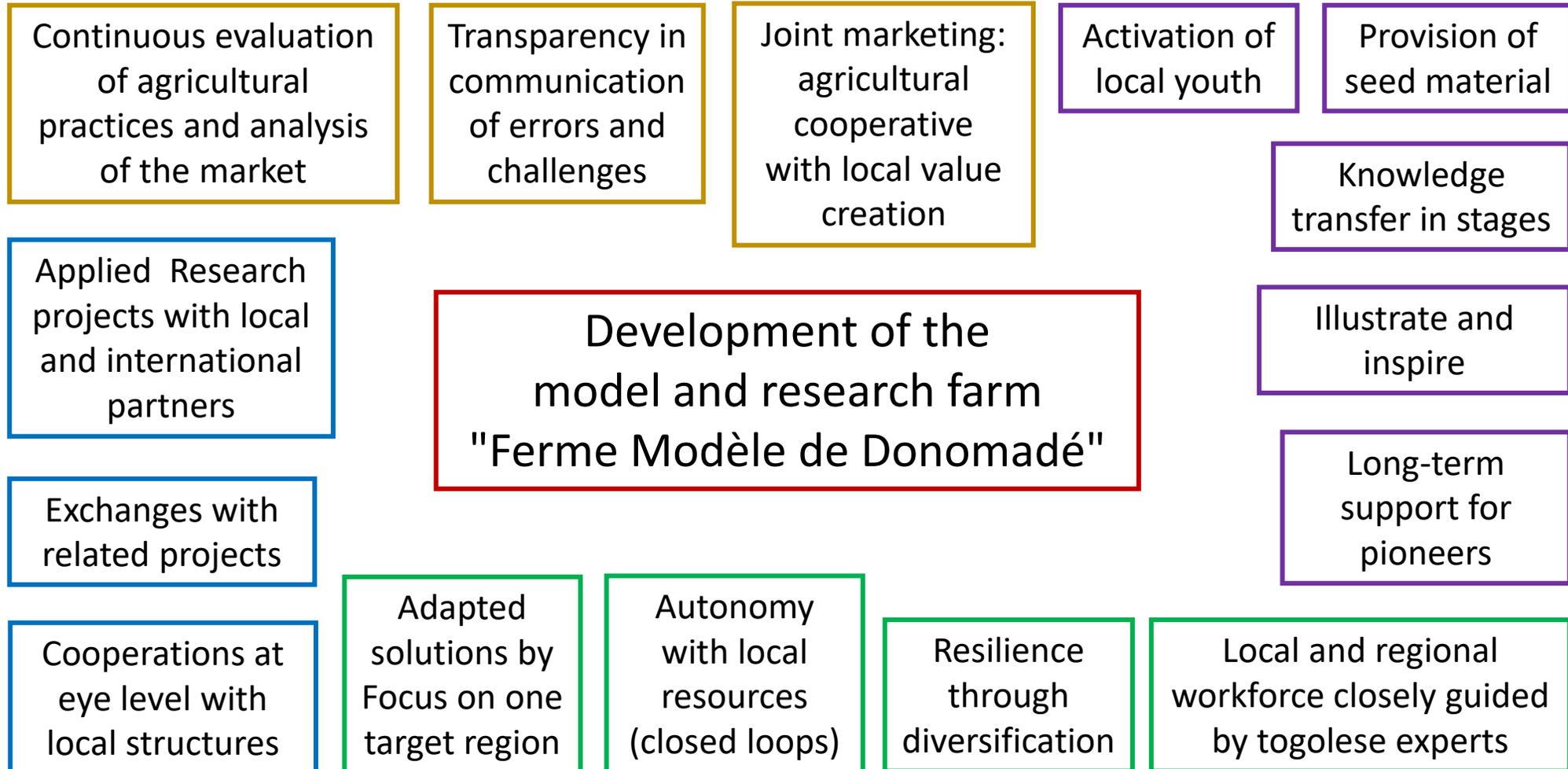
The long-term goal for the project region in Togo

The development of an ecological, high-yield and resilient agriculture that enables smallholder farmers to enjoy an attractive quality of life.



Pioneers of future
Village Cooperative
of Donomadé

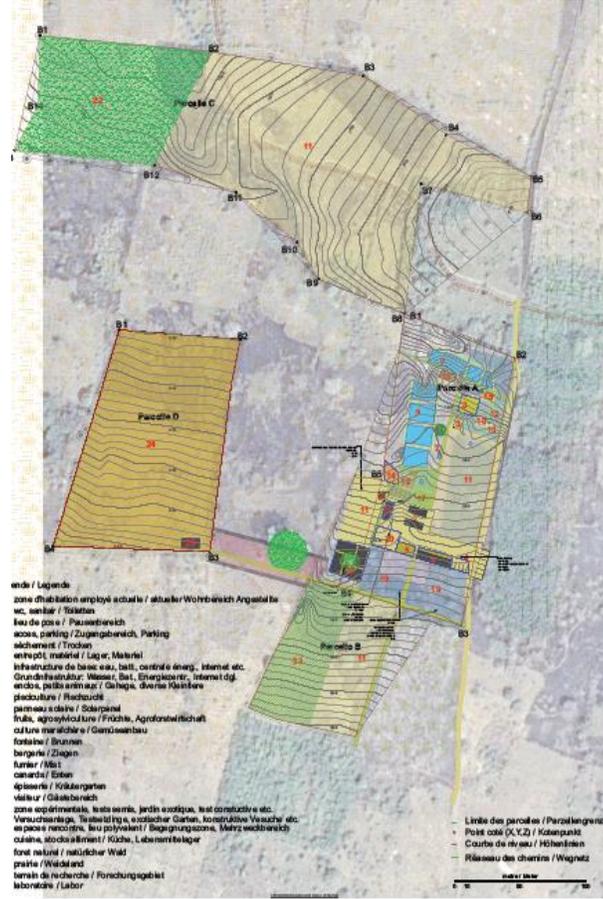
How do we approach a sustainable transformation ?



Continuous planning of the 6ha of farmland



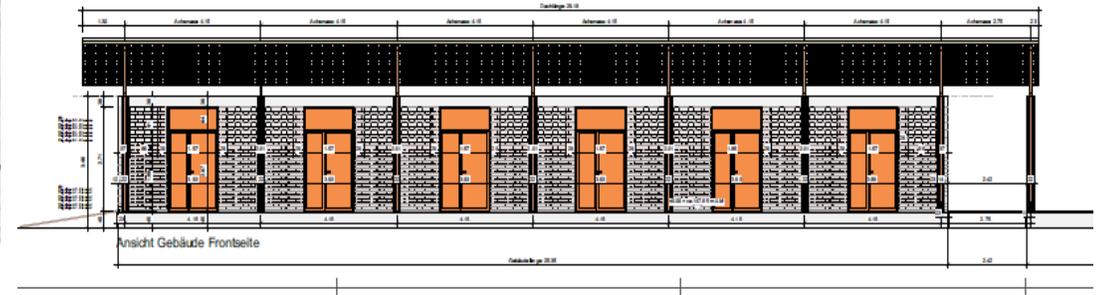
Ortophoto from the farm
Taken by Wingtra drone
Full interactive map: [here](#)



Masterplan of the farm
Full plan: [here](#)



Physical model of the farm, designed by Carmen Blättler



Architectural plan of the storage hall made from earthbricks, drawn by the architect Daniel Baumann

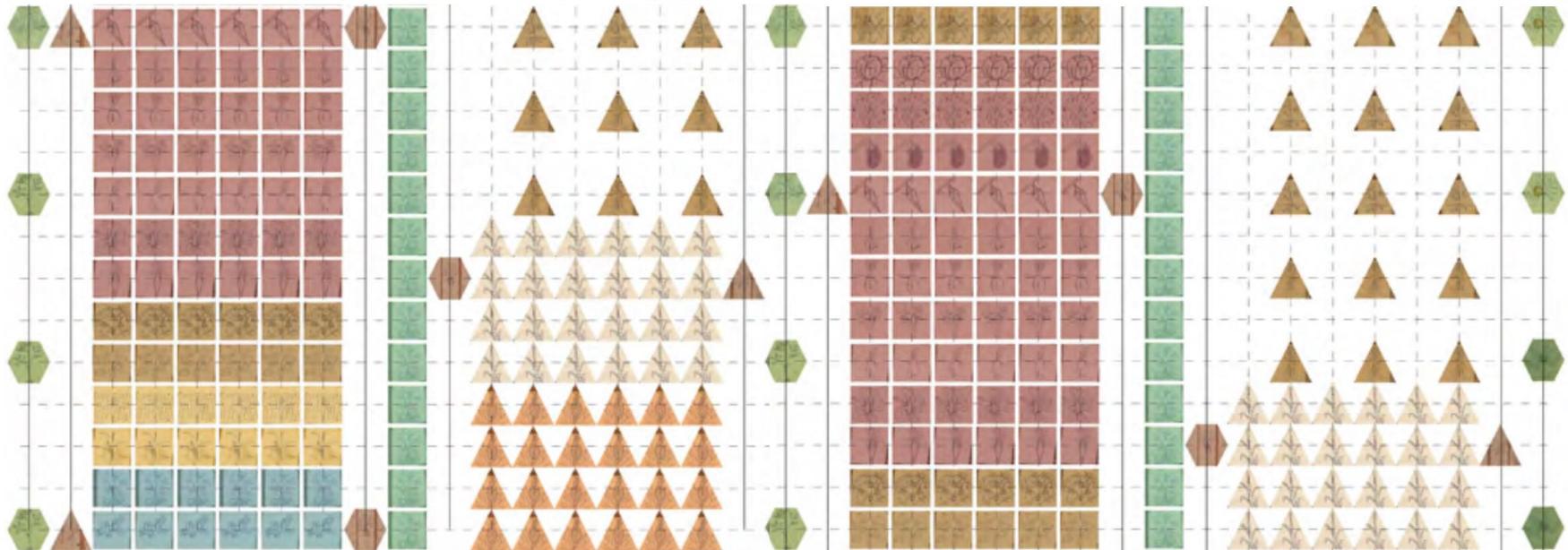
Diverse agricultural activities of the FeMoDo





The infrastructure of the model farm works with local resources

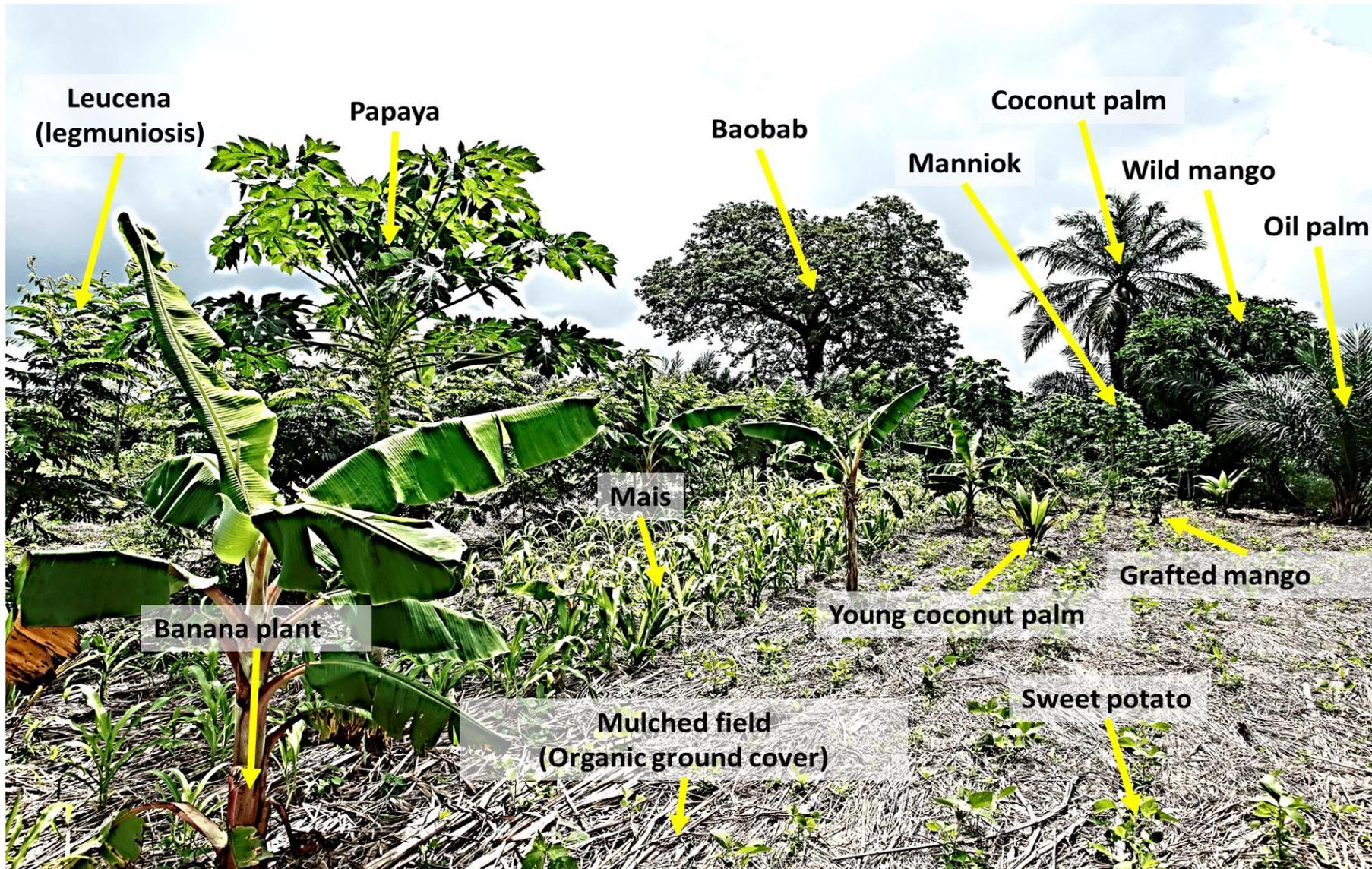
The agroecological approach on the plan



*Visualisation By
Carmen Blättler a
Design Student who
did her Master thesis
on the FeMoDo farm*

Visualization: Section and ground plan of the Attisso cultivation system, proposal developed on the basis of local experience.

The agroecological approach on the field



Some challenges we face in the target region

| Agronomic / Technical | Sociocultural | Economic |
|--|--|--|
| Access to adapted quality seed and mulch material | Habits change only slowly: integration of youth is crucial | Lack of reserves for crises and investments |
| Biodiversity a challenge | Lack of education & skilled labour | High transportation costs |
| Nutrient losses through bush fire, erosion, mismanagement etc. | Fatalism, Extrinsic versus Intrinsic Motivation | Low purchasing power -> Small margins |
| Access to adapted technical aids | Lack of positive role models | Difficult marketing |
| Safe storage & processing | Rural exodus, lack of prospects | Strict export guidelines |
| Measuring success: conventional versus agroecological - holistic approaches are needed | Lack of state support, marginalization of rural regions | Competition with subsidized agricultural goods from abroad |

Poverty, population growth, climate change, geopolitics, globalization

A man in a dark long-sleeved shirt and light-colored pants is walking through a field of tall green plants. He is carrying a large, heavy bundle of similar green plants on his back, secured with a strap. He is smiling and looking towards the camera. In his right hand, he holds a large, flat, light-colored object, possibly a piece of wood or a fan. The background is filled with more of the same green plants, creating a dense, natural setting.

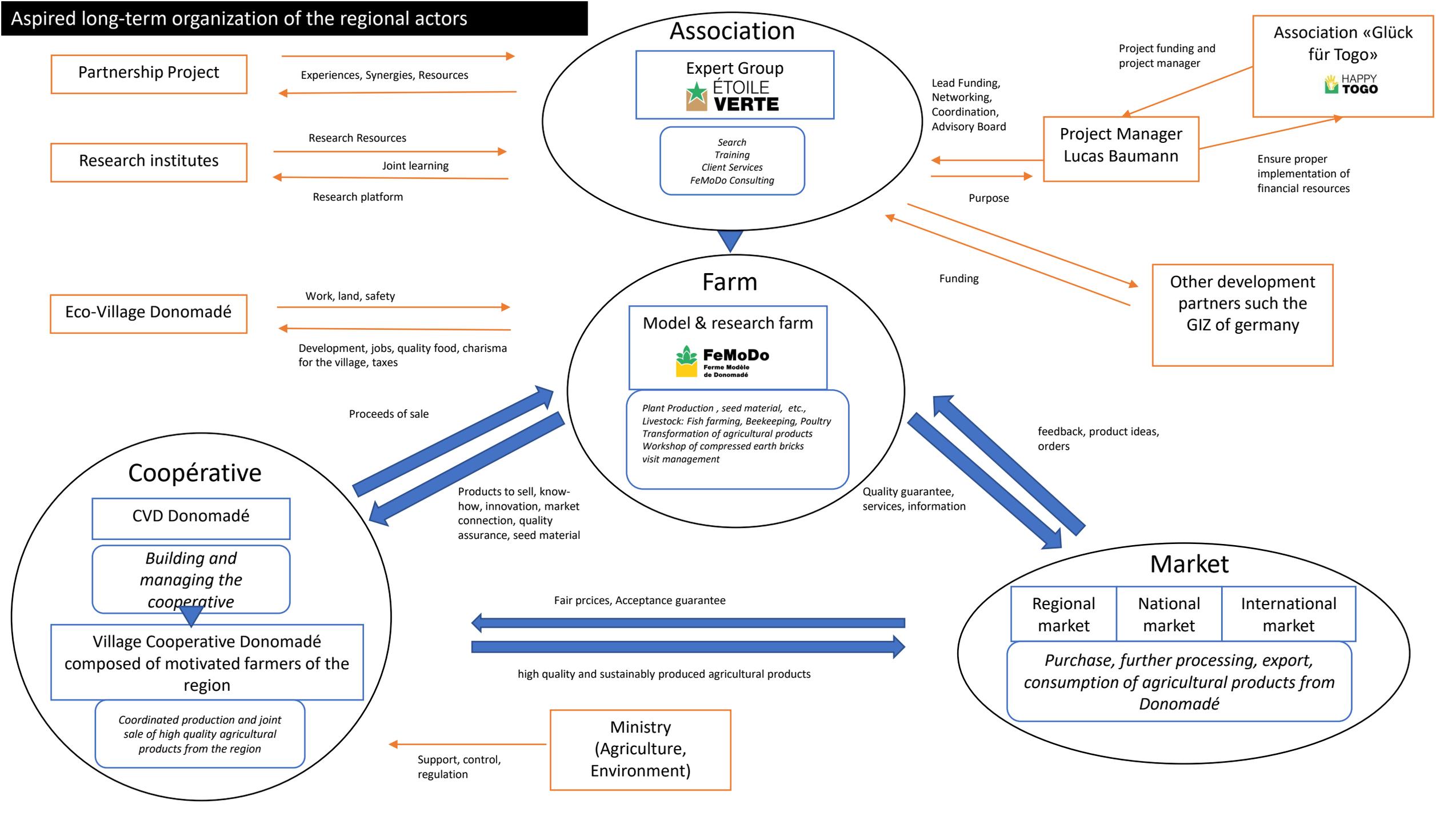
Positive change takes time!
we remain on the job and look forward to
fruitful cooperation
Thank you

More Information at happytogo.ch

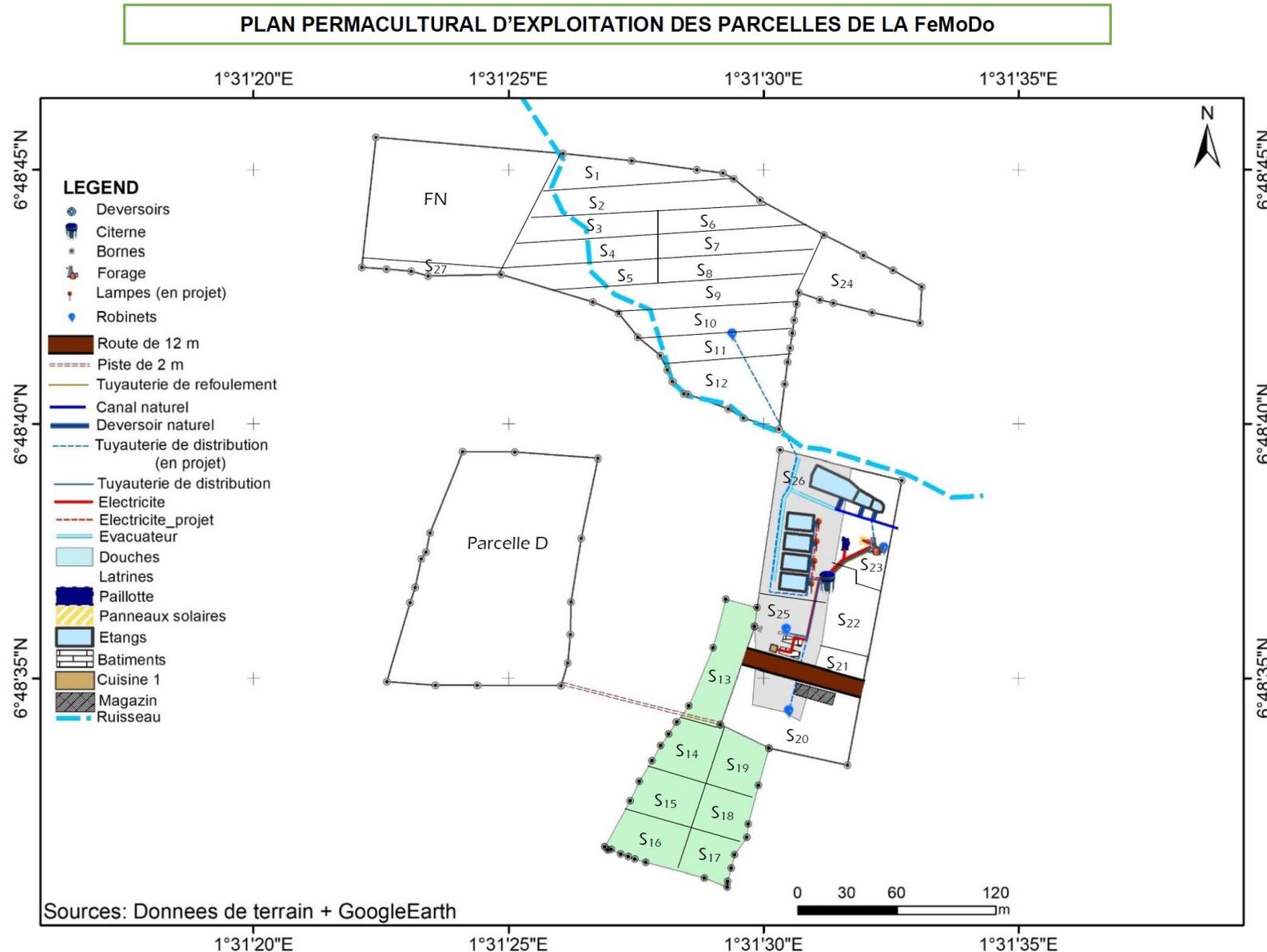
Appendix

- Organigramm
- Parcellation
- Images of the village Donomadé and surroundings

Aspired long-term organization of the regional actors



Parcellation of the farm in different 29 different plots



Attisso the main agronom did divide the 6 ha of the farm in 29 different plots where he applies different agroforestry association in rotation.

How does one live in Donomadé ?



Vicious cycle

- Isolation: difficult access to markets & sanitary infrastructure

