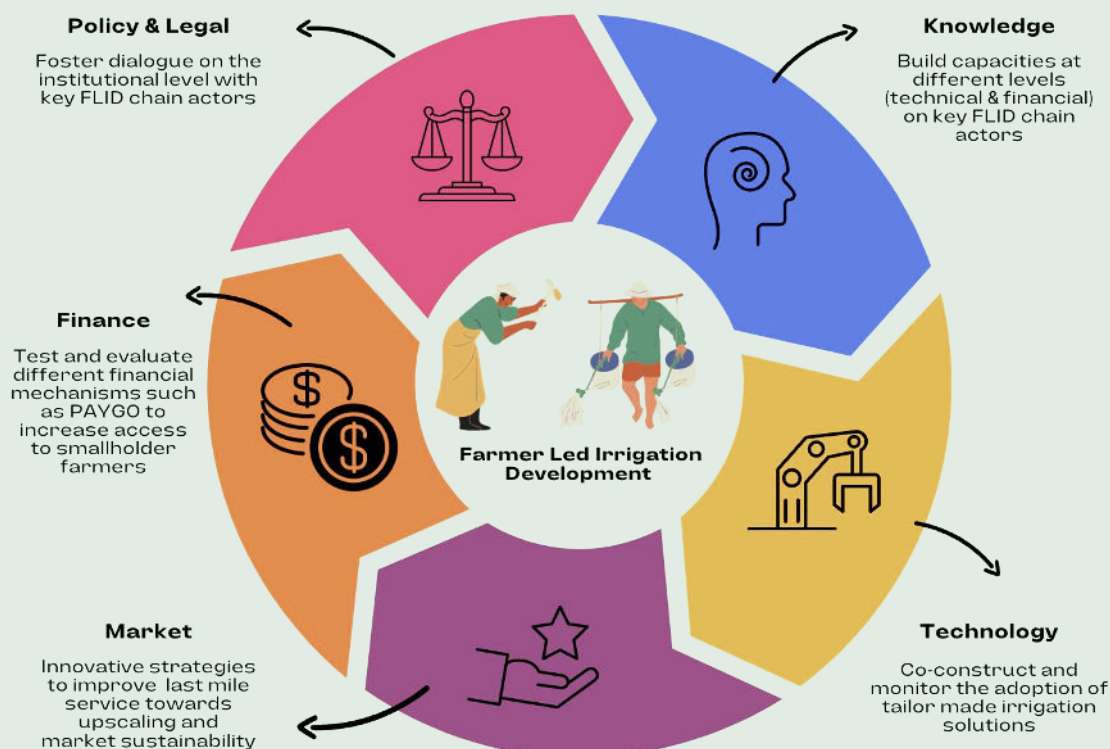




## Accelerating Farmer-Led Irrigation Development Climate Smart (Solar) Irrigation

The gap between (solar) irrigation technologies and smallholders is reducing in Africa and Asia. However, a lack of know-how and practical skills in technical, commercial, and financial aspects, or misconceptions about the benefits of tailor-made irrigation solutions, becomes an obstacle to the sector's development. Practica's approach aims to lead the development of climate-smart and solar-powered irrigation in the most sustainable direction.



Find out more about our irrigation portfolio





# Our experience



For more than 20 years, we have specialized in accelerating the climate-smart and solar-powered irrigation systems (SPIS) in Africa by supporting **locally-led scalable solutions** that successfully assist smallholders to optimize or enter small-scale irrigation practices to boost food security and essential family income. We have developed and delivered tailored **training materials**, organized **high-level discussions** around the topic and dissemination materials for different actors in the FLID sector, **co-constructed solutions** adapted to local contexts, conducted **market analyses**, and **piloted innovative financial mechanisms** for closing the gap between smallholders and other actors in the FLID chain.

# Our innovative approach

We specialize in undertaking **capacity-building activities** for the dissemination of climate-smart and solar-powered irrigation, developing context-oriented **technical and financial tools** for decision-making, and **facilitating the scaling of knowledge and lessons learned to the policy level** to facilitate the appropriation of climate-smart irrigation technologies in national policies.

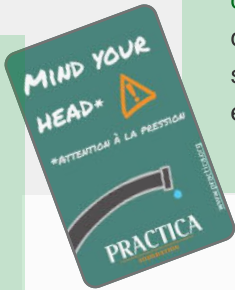
## Calao Agri - financial tool



Next to many years of experience of SPIS training to technicians, vocational teachers, extensionists, and NGO employees, we have also trained up government agents, **finance advisors and credit officers**, and have a dedicated **SPIS finance curriculum** for this. With Aliénor Consulting SAS, we developed a **decision-making tool for finance institutes** to support them to select capable small-scale agri-entrepreneurs for their irrigation investment portfolios.

## IRRIS concept - design tool

IRRIS concept is the **decision-making tool** that makes **irrigation design easy** for suppliers, promoters, and project implementers. Are you wondering about the surface you can irrigate with your water source, the equipment to invest in, or the system's costs? IRRIS concept streamlines processes and accelerates project implementation.



IRRIS				
Centre des services de l'irrigation				
1. Equipement de pompage				
Capacité (m³/h)	SPIS	SPIS	SPIS	SPIS
100	100	100	100	100
200	200	200	200	200
300	300	300	300	300
400	400	400	400	400
500	500	500	500	500
600	600	600	600	600
700	700	700	700	700
800	800	800	800	800
900	900	900	900	900
1000	1000	1000	1000	1000
Total				



## Our training methods

Our training specifically focuses on **practice in the field**. Depending on the target group, the approach is adapted to make a connection with their field of expertise. We keep training as **dynamic and varied** as possible by using different sorts of training materials. We invite participants to engage, **share their experience**, and use their senses and hands as much as possible.

- Training booklet
- Field and paper exercises
- Field demonstrations
- Decision-making tools
- Serious games
- Presentations
- Energizers

# Our ambitions

Supporting local entrepreneurship is at the foundation of our activities. We realize this by promoting a **supply chain approach** towards **establishing local networks** between smallholders, operators and linkages with supporting organizations and financing institutions.

We are looking for partners that aim to accelerate and professionalize the climate (solar) irrigation sector by **building capacities at all levels** to enable a local technology market, including the necessary **maintenance and quality control systems** and dissemination packages.



**Practica** - Innovative technologies managed by local entrepreneurs

Contact us:  
Phone: +31 78 615 01 25

Email: [info@practica.org](mailto:info@practica.org)  
Website : [www.practica.org](http://www.practica.org)

Discover all our innovations:

