

The passport to
future-proofing food
production for the
people & the planet



The global population is expected to increase to over 9 billion by 2050, putting an added stress on food, water, and land resources.

**FAO estimates*

Small-hold farmers are crucial stakeholders in the food production system

At the core of global food production is the small-holder farmer.

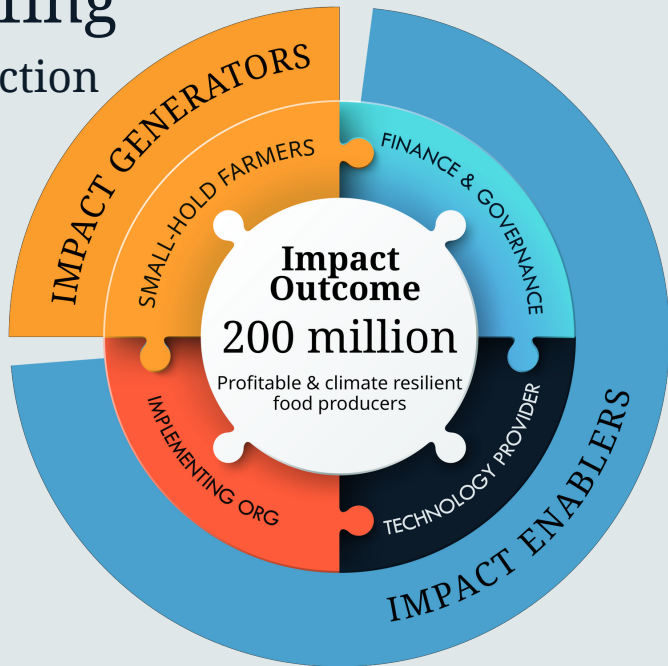
500 million small-hold farms produce one-third of our global food and employ up to two billion people, making them crucial stakeholders. But small-hold farmers lack access to resources and innovative green technologies to lower dependencies on fossil fuels, reduce water use and improve productivity.

Small-hold farmers are also among the first to be impacted by climate change and depleting water tables in food producing regions.

These factors make small-hold farming increasingly unprofitable for farming communities, thereby impacting livelihoods, leading to mass migration, turning food producers into casual labourers, and making the global food production chain more volatile.

It's time to take
bold bets to future-proof
global food production.

Future-proofing Global food production



Innovation. Validated. Awarded.



Winner of the World Economic Forum's Smarter Climate Farmers Challenge.

Innovative Technology for high impact



1. Power management box (PMB)

2. Spowdi 150-watt portable double cell solar panel

3. Water pump unit

Spowdi is a green-tech innovation company with a mission to enable millions of small-hold farmers to be self-sufficient and profitable with increased crop yields, by using significantly less water and the sun as the only power source.

Together, with our technology and the right Impact Enablers as partners, small-hold farmers can become Impact Generators and help achieve a climate resilient food production system.

Robust	Portable	Flexible & Easy to Use
<ul style="list-style-type: none">✓ No moving parts✓ Survives dirty water, not even mud and gravel will affect the system✓ Doesn't break down if goes dry✓ Comes with a three-year warranty program	<ul style="list-style-type: none">✓ Low weight (only 15 kg)✓ Doesn't need any fixed installation✓ Enables the owner to lend/rent it out✓ Lowers the financing risks since it's easy to collect	<ul style="list-style-type: none">✓ Easily hand carried and installed by one person✓ Set up in just minutes✓ No special skill or tools required to maintain the system

Enable Impact Generators
to grow more food in
significantly less water,
with power from the sun.

Smart Farming: Generating a Positive Impact for the People & the Planet

Measurable Smart Farming Impact



100% more food production



Reduced carbon emission of 740 kilos per farm every year



Up to 80% water saved in food production



Shorter time from plantation to harvest



Reduced demand of manual labour



Improved livelihoods & higher profitability with more harvest



Entrepreneurship possibilities for women in food production

Direct Impact on Multiple SDGs



Become an Impact Enabler and
empower Impact Generators to
future-proof global food
production.

Let's connect to enable 200 million Impact Generators



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Spowdi at
COP28

