

# Global Food System Challenges



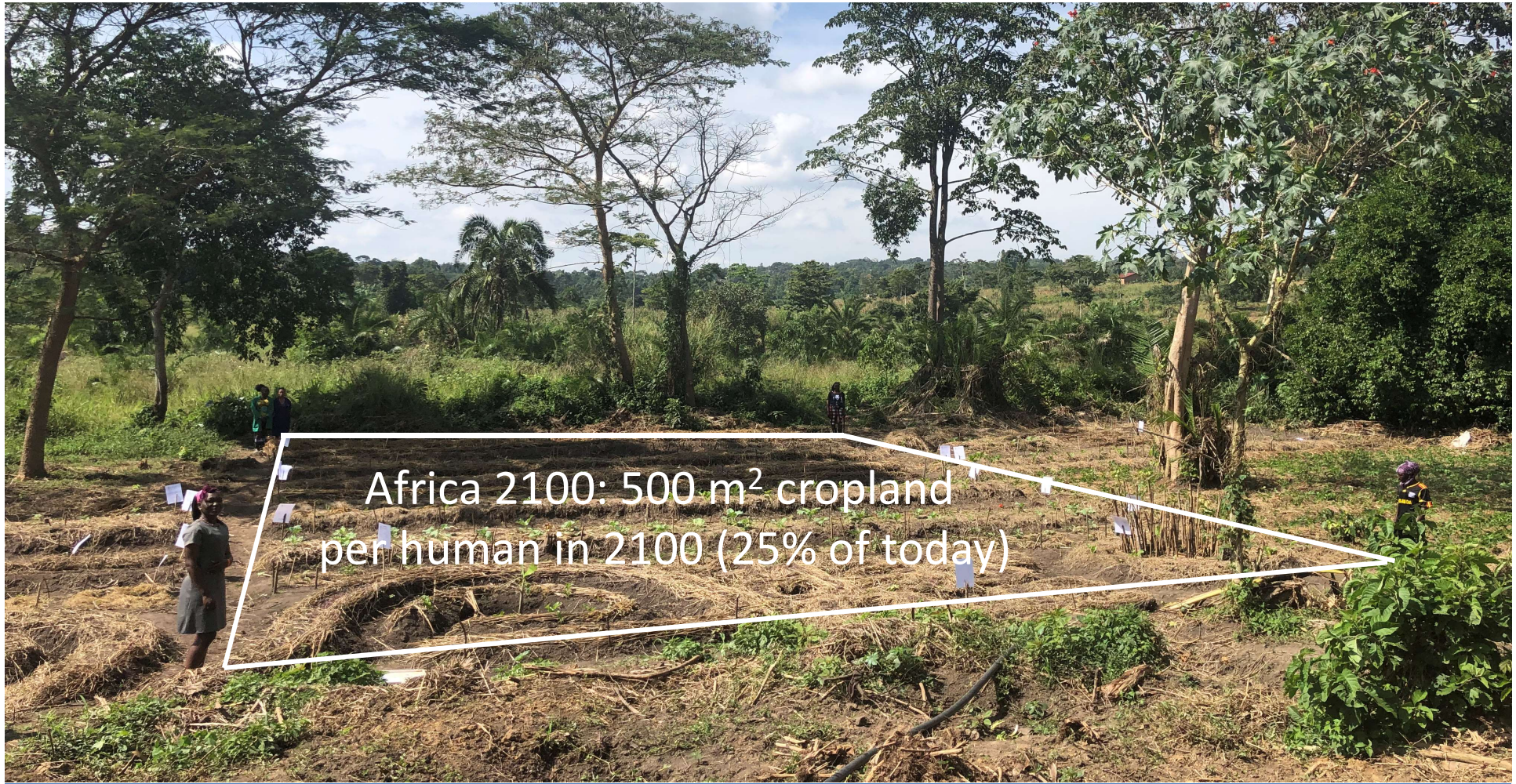
- Enough, healthy, affordable food for everyone
- Climate mitigation and adaptation
- Limitations and protection of natural resources
- Changing ethics and behaviors
- Economics, global vs. local markets

Recently we use our earth 1,7 times of the ecological carrying capacity

*"Organic farming can, must and want contribute to solve the problems!"*

# How can Organic Farming help to reduce hunger and malnutrition (SDG 2)?

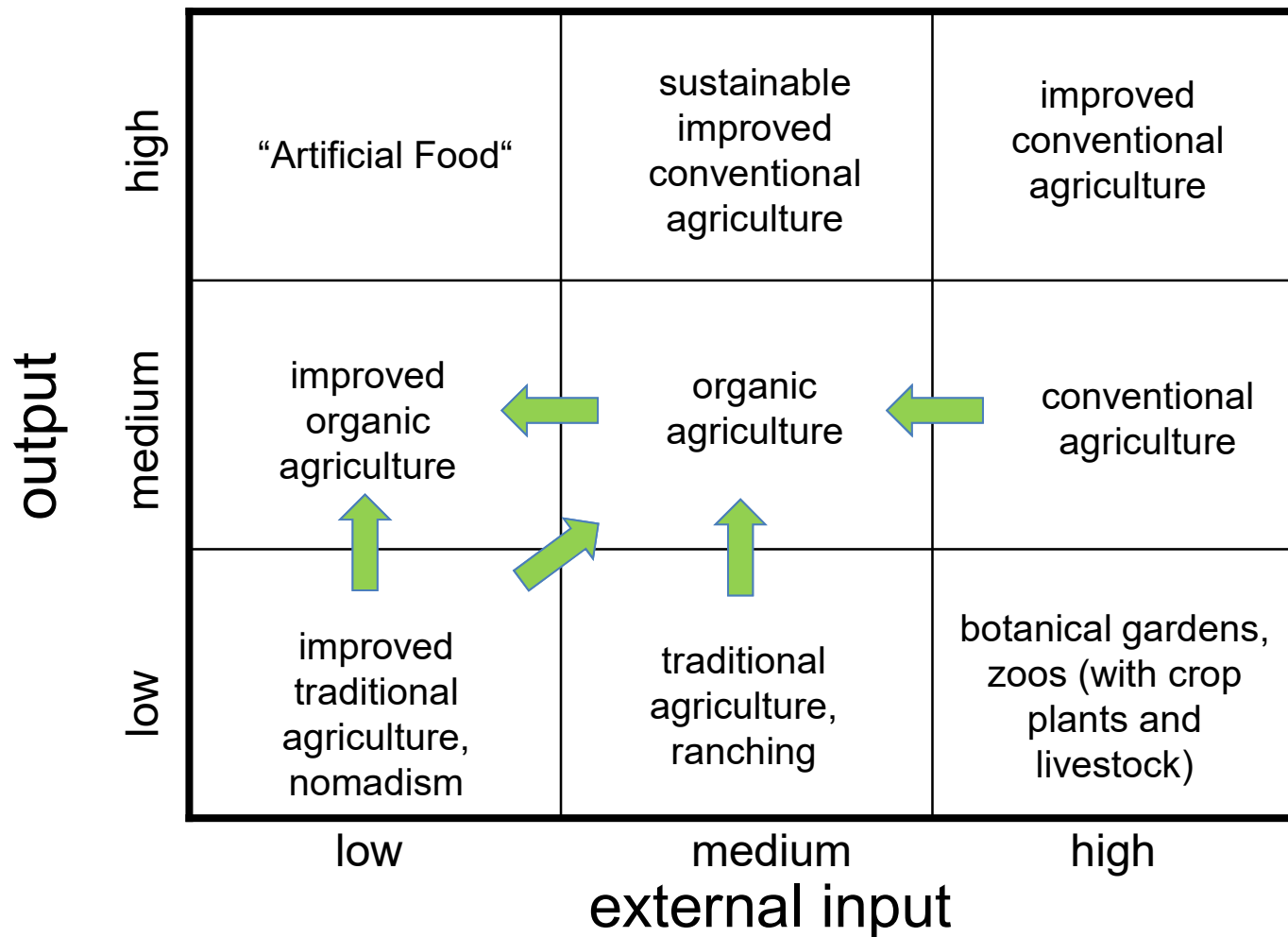
- **Hunger and malnutrition** is usually result of **poverty** and **calamities**.
- Very often found on **small scale subsistence focused farming systems** (<1ha/family) in remote and disadvantage regions.
- Such small scale farming systems **dominate in Africa, Asia and Latin America**.
- Those farming systems are **difficult and risky to elevate** from low external input -> low output systems **towards high external input -> high output systems**.
- **Organic farming** is an agroecology approach of **low/medium external input → medium output**.
- Organic Farming can **increase yields through improved knowledge and skills** (capacity development, education and training) and reduce/avoids ecological and food safety risks.



# German National strategy for 30% Organic Farming and food economy by 2030

## Action Number 30:

- **Food sovereignty:** Develop and offer *Good Organic Farming Practices* as a way of **securing and increasing crop yields and reducing post harvest losses** in the absence of harmful chemical farm inputs for smallholder farms in disadvantage regions (**without certification** according to the EU Organic Farming Regulation).
- **Empowerment of women (young mothers) and families:** Establish organic farming methods for **backyard farming** of vegetable, fruits and small animal husbandry for **self-sufficiency** on smallholder farms, combined with nutrition education (reduction of malnutrition, strengthening the role of women through knowledge transfer and appreciation).
- **Value creation and off-farming jobs:** Supporting Organic Farming **certification and value chains** for smallholder farms in disadvantaged regions that want to sell surplus production on the (international) Organic market at premium prices.



# Example: Organic Knowledge Hubs for Africa (giz)

**WHERE WE WORK**

Knowledge Hub North Africa, based in Egypt  
Implementing partner: SEKEM

Knowledge Hub West Africa, based in Senegal  
Implementing partners: ENDA Pronat, FENAB & AGRECOL Afrique

Future Knowledge Hub in Central Africa, based in Cameroon

Knowledge Hub East Africa, based in Uganda  
Implementing partner: Biovision Africa Trust

Knowledge Hub Southern Africa, based in Zambia  
Implementing partner: Sustainability Institute

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**DID YOU KNOW THAT ORGANIC AGRICULTURE...**

- ... preserves natural resources, such as soil and water, in the long term?
- ... mainly relies on renewable resources?
- ... is safer for farmers because no chemical synthetic pesticides are used?
- ... strengthens the resilience of agriculture to climate change?
- ... significantly boosts productivity and yield stability, especially for those farmers that do not use external inputs at the moment?



## AT A GLANCE

The implementing partners create technical and methodological **knowledge products** in English, French, Arabic and selected local languages in the countries involved in the project.



The project develops an online platform to disseminate **knowledge about organic farming** in Africa.

The implementing partners are selected **non-governmental organisations** in the five knowledge hubs.



Duration: 2019 to **2024**

Budget: approx. **€23 million**

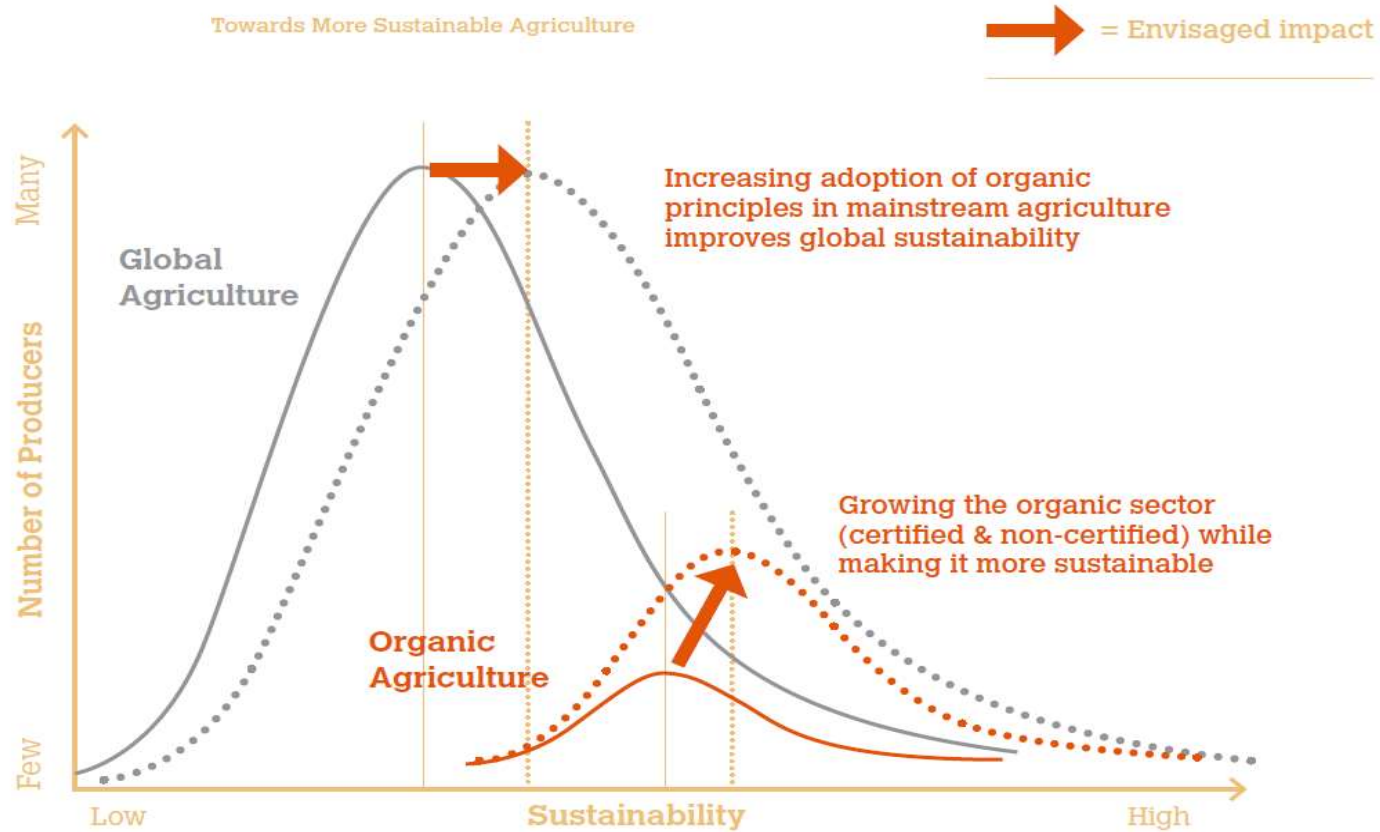




- These organisations manage the five knowledge hubs and operate in three fields of action:
  1. They expand access to **knowledge on organic agriculture and agroecology** by collecting, validating and converting it into suitable formats and languages, as well as making it available on a centralised database.
  2. They boost the **technical and professional skills of multipliers** in the areas of organic agriculture and agroecology. To this end, they train master trainers and multipliers on how to disseminate the knowledge in a manner adapted to target groups.
  3. For the purposes of **networking across the continent**, they strengthen the working relationships between representatives from the value chains, civil society, private sector and state organisations. Furthermore, they promote **cost-effective and participatory certification alternatives**.



# Organic 3.0





Organic  
can be  
**ONE**  
option  
to solve  
future  
problems!

And we  
can not  
ignore any  
option.