



# Lake Agege Farm

## sustainable agriculture and eco building

a symbiosis of architecture and farming in Ghana



**AKWAABA** Willkommen  
Ye to nsa Afrɛw  
**WELCOME**

4. - 14.11.2025 in Ghana:  
6 Workshops, Theory und Praxis, 1 excursion day,  
1 Drum Party

**Biogas** **Terra-Preta** **Biochar** **Compost-toilet**  
**Oilpressing** **Tropical naturopathic products**  
**Agroforestry/Foodforest** **Intercropping**  
**Lateritic stacking stone house** **Innovative irrigation**

4.11. Welcome, guided tour of the Lake Agege Farm site, presentation and explanation of the farm concept „sustainable agriculture and eco building“ und introduction into **agriculture**.

**Dr. Maik-Jens Springmann** co-founded the Grenzer Ökohof in Germany 30 years ago. He wanted to return the extensive funding he received back into the energy cycle. At the same time, through a crazy story, he acquired a piece of land in Ghana. Since 25 years he develops this area with support of Britta Wolff and many other friends into an open learning center. The symbiosis of cultivation and construction is his focus.  
*His fascination: experiencing the power of Ghanaian nature.*



5.11. Architecture: Lecture on houses and healthy living spaces made from **ecological building materials**, guided tour and collaborative construction of a toilet house made from stacked lateritic blocks, which are joined according to the interlocking principle.

**Britta Wolff** is interior designer with a great passion for ecological building materials, especially clay. For 20 years she has researched and taught planning, construction, and renovation using sustainable building materials and is committed to making clay even more popular at various German educational institutions. In Morocco, she has been offering practical clay building courses for many years and is helping to preserve a cultural heritage site.  
*Her fascination: the „earth“ beneath the humus layer.*



6. + 7.11. Lectures and workshops on: **biochar**-producing pyrolysis cookstoves, container-based **dry toilets** as a component of ecological sanitation and the circular economy, thermophilic composting for the sanitization of dry toilet waste and the production of a safe, nutrient- and humus-rich fertilizer.

**Dr. Katharina Prost** is an agricultural engineer. She initiated the [www.climetsan-ontheground.com](http://www.climetsan-ontheground.com) project on pyrolysis furnaces, the circular economy, and climate-smart agriculture with the Jülich Research Center and coordinated it in Ethiopia and Germany.  
*Her fascination: the potential to create an incredible impact: sanitation for all, affordable, sustainable, and clean fertilizers and cooking stoves, closed-loop systems, etc.*



8. + 9.11. Lecture and presentation on: **Biogas** production using an already functioning home biogas plant on the grounds of the Lake Agege Farm.  
On Sunday, a new biogas plant will be built in our community of Baifikrom, and it will be demonstrated how simple and healthy cooking with biogas is.

**Bright Anthony Osei-Buapim** has been selling Israeli [www.homebiogas.com](http://www.homebiogas.com) systems for years on behalf of the Ghanaian company Webber Energy Ltd., where he is also co-manager. Bright supports families and small businesses with the installation of HomeBiogas systems and manages the newly founded energy association „Baifikrom Biogas Friends“ - From Waste to Taste! for our farm. *His fascination: that cooking gas and biofertilizer can be produced from everyday organic waste. For me, this is an ingenious approach to sustainable resource use!*



10.11. Rest day with excursion towards Cape Coast to the historic slave forts and Kakum Rainforest National Park

11. + 12.11. Theory and practice on the topic: Soil-centered agriculture, permaculture, and complex **agroforestry** to promote regenerative, biodiverse, resilient, and highly productive food-producing systems in tropical climates.  
Using the 2-hectare pilot area on Lake Agege Farm, cultivation and management measures will be presented in a practical manner.

**Jens Hauck** is a permaculture and agroforestry designer. As the founder of [www.foodforest.network](http://www.foodforest.network), the Sarsarale project garden, and the PermaFoodForest farm in Senegal, he has been developing and supporting projects in various climate zones for over two decades.  
*His fascination: how powerful and rapid complex agroforestry systems can be when properly designed and managed.*



13. + 14.11. Lecture and practical demonstration on the topic: From Seed to Oil - Benefits for Smallholder Farmers. **Oil mills** used for cosmetic, medicinal, and body oils.  
The diversity of oilseeds and medicinal herbs and the possibility of creating high-quality, healthy foods and medicines from simple raw materials.  
Drying, hygiene, and quality requirements.  
Demonstration of pressing and filtration processes using various raw materials locally available in Ghana, primarily from agroforestry.

**Berthold Dreher**'s grandfathers have operated mills for many generations. This tradition has shaped him. He is a trained farmer and forester, industrial mechanic and merchant and founder of the well-known [www.dreher.bio](http://www.dreher.bio) oil mill.  
*His fascination: the entire value chain – from cultivation and processing in the mill to the finished product and its marketing.*



Guest contribution: An experienced herbalist will provide insights into the use of plant-based raw materials in healthcare and practical tips for oil extraction using simple means and as an opportunity for income generation for small-scale farmers.

**Dr. Edu Kwaku Mohammed** is an award-winning healer and founder of the now very prosperous Edu Herbal Clinic in neighboring Baifikrom. He relies on traditional herbs and medicinal plants.  
*His fascination: the possibility of being able to help in hopeless treatment situations using traditional healing methods of his ancestors from northern Ghana.*



*Afternoon: Farewell and closing party with live music, snacks, drinks and all of us at the farm.*

*The workshops will be filmed for the production of a 45-minute documentary film.*



Tina Schulze  
Organizing Team

Graduate in African Studies and Media Studies with a deep passion for travel and a strong interest in topics related to sustainability, development, and intercultural exchange.



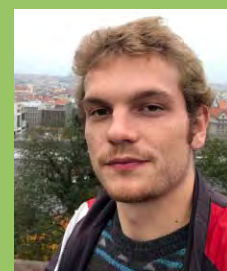
Isaac Dadzie ala Kofi  
Farm Technician

Kofi has been working with us on the farm for 10 years now. As a small-scale farmer, he has acquired many additional qualifications.



Andreas Duerst  
Studio 301 Rostock

Andreas and his team are accompanying us to Ghana this time to visually document the farm, the workshop program, and all DIVAGRI technologies in 4K.



Leopold Teich  
Organizational Support

Leo is a Media Studies student and, like Tina, has a big heart for the sub-Saharan continent and for sustainable environmental issues.



Michael Darko  
Farm Manager

Michael has been supporting the Lake Agege Farm for six months and is committed to, among other things, the market-based areas and the newly established agroforestry areas.



### information & contact



Participation in these workshops is free of charge!  
The program runs daily from 9 a.m. to 4 p.m. and includes lunch and soft drinks.

We appreciate advance registration via our email address or WhatsApp number!

We will issue a certificate of participation upon request.

We greatly appreciate donations for our next training room!

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Dr. Maik-Jens Springmann (scientific contact)  
Tina Schulze (registration and organisation)

When asked about the intentions of this year's workshop at the Lake Agege Farm (LAF), Dr. Maik-Jens Springmann, workshop organizer, director of the Institute for Organic Farming and Earthbuilding, and founder of the NGO LAF in Baifikrom, said:

„To put it figuratively: For us Germans, development work in agriculture and eco-building at the LAF in Ghana means to understand due to workshops, how the red thread of Ghana's *Ariadne* was once wound up in the labyrinth of the artificial national construct of Ghanas agriculture during the colonial era, and why it became tangled in the undergrowth of post-colonial development. And where Ariadne's thread can no longer be followed and has broken, we do not want to tie a new strand with a Gordian knot, at best paid for by German development aid, but rather continue the centuries-old bond of a life with nature with a traditional, country-specific knot. In this respect, we are not concerned with a purely economically and thus European-oriented agriculture, in Germany named as „Landwirtschaft“ (land economy), but rather with agri-culture in the best sense, in which people are part of the process of understanding.

In Ghana, this is a process determined by traditions and not an abstract scientific one, as in Europe.

In this year's autumn workshops, we want to learn from each other rather than just teach. We will do so using a holistic approach based on our LAF philosophy, which is equally focused on building (clay house architecture) and cultivation (ecological agriculture). It aims to revitalize the subsistence economy that once existed in the rainforests for centuries, using a new, modern approach within a circular value chain.

This will be taught to us by proven, internationally renowned experts from Ghana and Germany, many of whom have decades of development experience.

We will explore the soil and the principles of the Terra Preta principle, all the way up to the treetops of agroforestry and food forest systems.

These agricultural concepts will be integrated into utilization systems such as biogas, oil, and biochar production, in conjunction with composting. This will also include teaching the construction of a small sanitary house using lateritic clay blocks by our friends from MAGGLO enterprise, Ghana.“

Revenue DIVERSification Pathways in  
Africa through Bio-based and Circular  
AGRIcultural Innovations



The goal of the DIVAGRI project is to provide African subsistence and smallholder farmers with tools to sustainably improve farm productivity, profitability resilience through improved management of farming resources, output diversification and creation of high-value circular bioproducts.

These workshops are funded by EU means.  
Our Lake Agege Farm (LAF) acts as a demo site for the presentation of the technologies.



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Coordinated by  
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EUROPÄISCHE  
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European School for Earth-  
building in Wangelin,  
Germany

in cooperation and with  
friendly support of



Interlocking Clay Bricks  
from Gomaa Akoti Junction,  
Ghana