



## Global Food Security

On behalf of the German Federal Ministry of Food and Agriculture, Thünen Institute advises policymakers in Germany and Europe regarding trade relations, market development and food security issues. Together with partners in Africa the **Thünen Institutes of Market Analysis and Farm Economics** analyse the impact of poultry meat and milk product exports from Germany and the EU to Ghana and Senegal. They use a comprehensive approach investigating the farm-level, the value chain, the consumer expectations and perspectives as well as the agricultural and trade policy options and implications.



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## Thünen Institute´s Engagement in and for Africa

Cooperations and support



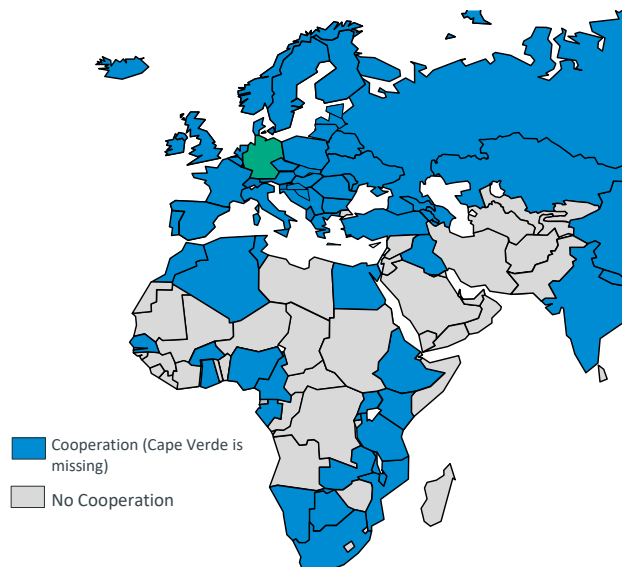


## Engagement in and for Africa - whys and wherefores

Thünen Institute – the German Federal Research Institute for Rural Areas, Forestry and Fisheries – consists of 14 specialized institutes that carry out research and provide policy advice in the fields of economy, ecology and technology.

Thünen Institute has set itself the goal of strengthening and expanding science-based partnerships with Africa in a coherent and long-term manner. As in Germany, Thünen Institute also focuses in Africa on approaches for the sustainable use of natural resources that are economically, ecologically and socially sound.

For important needs – stable development of African economies, improving food security, sustainable use of tropical forests, combating causes of flight etc. – cooperation between African institutions and Thünen Institute has increased in recent years.



Thünen scientist and African students in front of research vessel Walther Herwig III

## Capacity Building Projects of Thünen Institute on site – some examples

In addition to the exchange of PhD students and guest scientists, capacity building on site in Africa is in the centre of several activities of Thünen Institute.

With its research vessels, **Thünen Institute of Sea Fisheries** has organized several excursions to African coasts in order to give African students the opportunity to improve and exercise their knowledge on sustainable fisheries management and oceanography.

**Thünen Institute of Market Analysis** regularly trains local researchers from different sub-Saharan African countries as modellers on agricultural markets and food security issues. The goal is to toughen them up as competent advisors to African policy makers.

**Thünen Institute of Climate-Smart Agriculture** coordinates the integrated training programme of SPACES II (Science Partnerships for the Adaptation to Complex Earth System Processes in the Southern Africa). All courses by SPACES II projects, are shown on the SPACES II-web platform (see at "Contacts"). Information on registration and funding can also be found on this site.

## Support for Research Infrastructures and Data Exchange – some examples

The **Thünen Centre of Competence on the Origin of Timber** owns one of the biggest collections of wood samples worldwide and maintains a database of genetic data for the determination and localisation of the origin of logged wood. The centre cooperates with African institutions in developing local structures to monitor illegal logging.

In light of the outstanding importance of tropical forests for climate protection, biodiversity as well as for livelihood of local populations, **Thünen Institute of International Forestry and Forest Economics** is conducting respective research in Zambia. Main objective is to develop policy instruments and practical implementation tools for a sustainable forest management on site.

**Thünen Institute of Climate-Smart Agriculture** is involved in the development of plans for efficient greenhouse gas (GHG) observation networks in Africa improving data exchange and data harmonization between Europe and Africa. This institute is also running two GHG measurement towers in South Africa, which will be integrated into the South African environmental observation network.

**agri benchmark**, a global network of agro-economists, advisors, and producers, provides analyses to improve productivity, sustainability and competitiveness. Already 15 African countries cooperate in this network, which is led by **Thünen Institute of Farm Economics**.



Technician maintaining the Thünen GHG measurement tower in the Karoo/South Africa