



implemented by:



In cooperation with:



MINISTRY OF AGRICULTURE
REPUBLIC OF INDONESIA



GRASS Digital Solutions

Bringing Digital Innovation to Smallholder Farmers for a More Sustainable Agriculture

About GRASS

The GRASS (Greening Agricultural Smallholder Supply Chains) project is a follow-on project to the previous Sustainable Agricultural Supply Chains in Indonesia (SASCI) and aims to improve the livelihoods and resilience of smallholder farmers who produce palm oil, rubber, coffee, and cacao, at the basis of global supply chains. This project is implemented by GIZ together with the Directorate General of Estate Crops of the Indonesian Ministry of Agriculture from 2023 to 2025 (3 years). By the end of the project, GRASS is targeting that the economic and environmental resilience of smallholder farmers in selected areas in Kapuas Hulu District, West Kalimantan Province has improved, through key project strategies such as digital approaches to capacity building, marketing and market access, and full traceability of products combined with climate-smart and regenerative agriculture.



For further details about the GRASS project, please scan the QR code.

Digital Solutions promoted by GRASS

The GRASS project strives to strengthen the resilience of smallholder farmers, and the work includes testing innovative digital approaches with the target groups and other stakeholders. These digital approaches include (1) the development of e-learning curricula and materials for sustainable farming practices and business development in collaboration with the global atingi platform, (2) the implementation of traceability systems for estate crops from farm to global buyer through the supply chains, (3) the establishment of a digital extension platform through which agricultural extension agents and model farmers can support the upscaling of smallholder farmers' knowledge and skills, (4) the preparation of participatory land-use maps, mapping the agricultural land to optimise flagship villages, and (5) the sale of smallholder farm products in digital markets.

Progress to Date

As of April 2024, GRASS has made the following progress:



Established cooperation with atingi (an e-learning platform commissioned and funded by BMZ and implemented by GIZ).



Developed the first ever e-learning modules in Indonesian language for smallholder farmers on the atingi platform.



Conducted awareness raising meetings with targeted farmers on the atingi e-learning platform for a total of 112 smallholder farmers.



Cooperation on e-learning module development with Politeknik Kapuas Hulu in the area of sustainable farming



Cooperation with international and local organizations (ICRAF and IDEP) on development of e-learning modules for climate-smart farming.

Be Part of the Solution

The fact that smartphones are nowadays common and widespread in rural areas opens up possibilities for farmers to access digital solutions such as apps and e-learning platforms. Yet, there are many challenges to overcome before smallholder farmers in remote areas such as Kapuas Hulu district can truly benefit from digital solutions.

The GRASS project continues its efforts to develop solutions for smallholder farmers and other stakeholders. Please join us in realising the integrated solutions of GIZ, while shaping sustainable agriculture supply chains and enhancing the resilience of smallholder farmers through digital solutions spearheaded by GRASS.

Contact Info

For further details regarding the GRASS project and collaboration opportunities, please reach out to **Per Rasmussen**, Commission Manager GRASS, E-mail at per.rasmussen@giz.de.