

Transdisciplinary research on digital geospatial possibilities enables new planning practice in Tanzania

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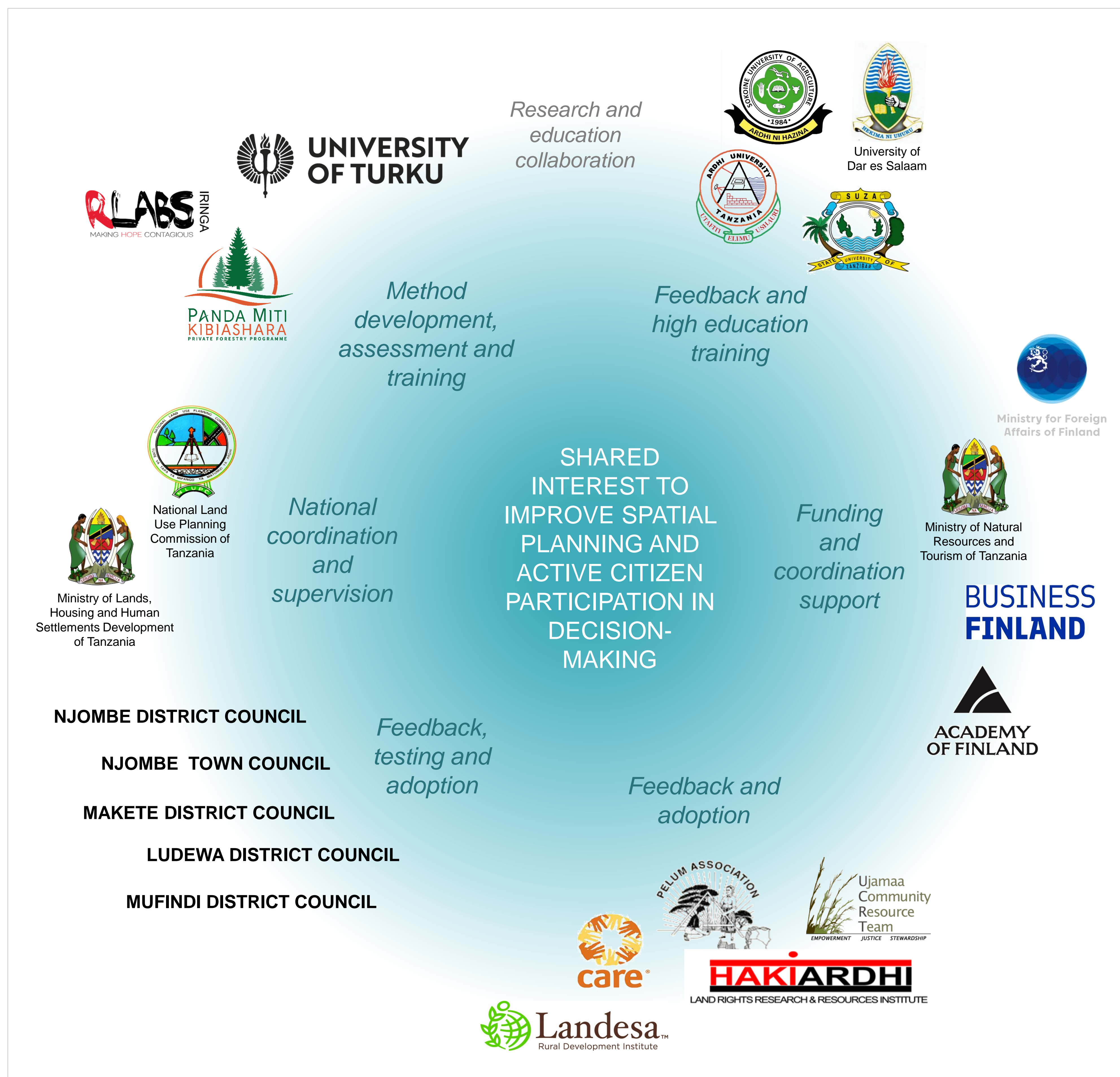


Figure 1. Collaboration partners from academic, governmental and non-profit sector as well as funding bodies involved in the transdisciplinary research and development of new participatory geospatial methods for planning.

Opportunities in participatory geospatial technologies

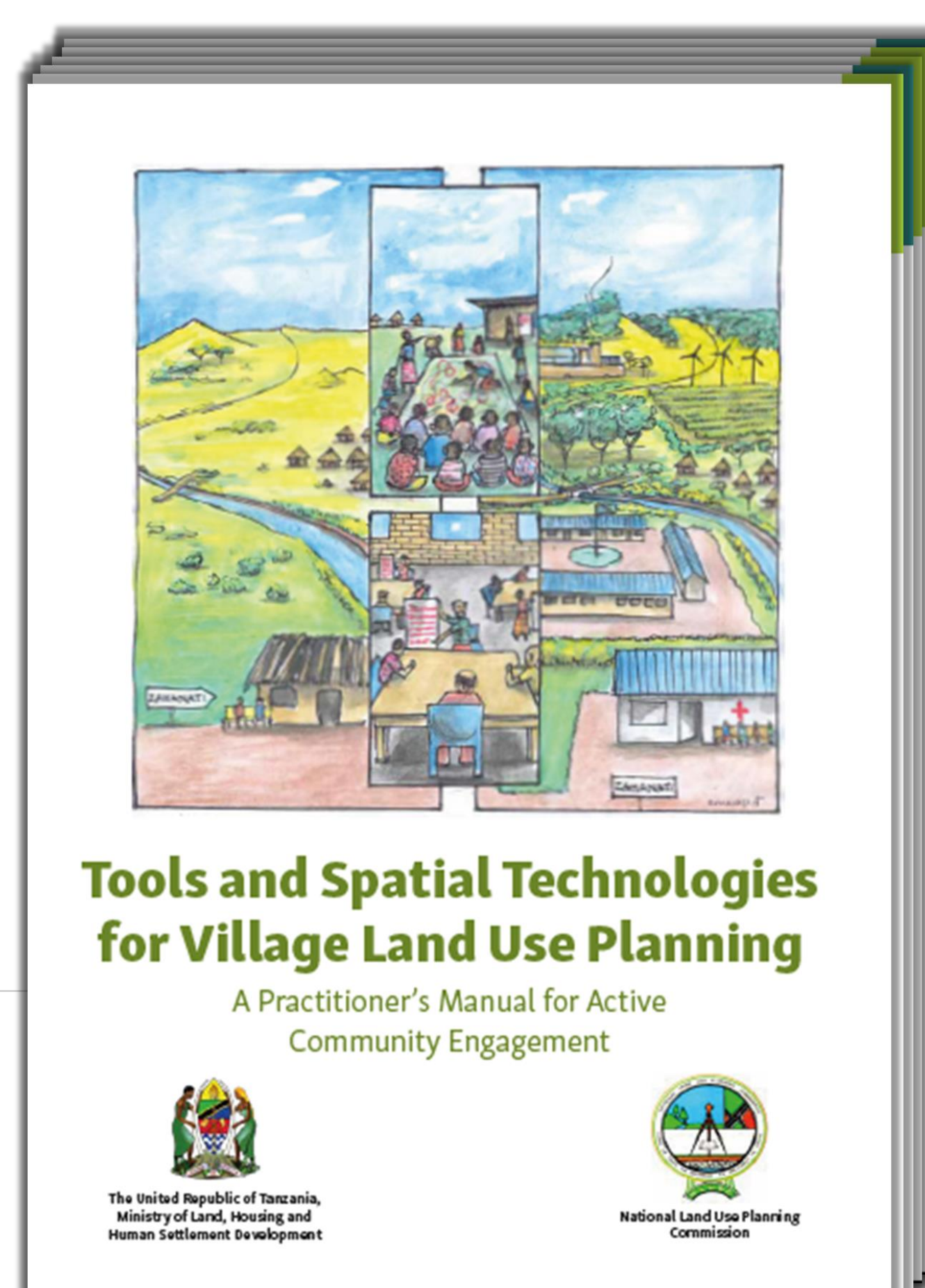
Increasing access to geospatial technologies and data enables development of novel solutions to societal challenges in rapidly developing societies. One such challenge is sustainable land management and planning which benefits from up-to-date spatial information and inclusive citizen participation in decision-making. Development of practical solutions that answer to the needs of planning practitioners and bring about larger societal impacts was achieved through flexible technologies and knowledge of current practices.



Figure 2. In order to promote the developed methods, short videos have been produced. In the videos, practitioners and participants tell about the benefits of the participatory planning methods and explain how they can be used. Videos by Studio 19.

Support for adopting new solutions

The research team with national authorities and other planning actors in Tanzania published a practitioner's manual on the developed participatory planning methods in 2018. The manual assists practitioners in adopting and adapting the methods into their planning practice. It also supports training efforts that aim to spread the knowledge and skills required for using geospatial technologies in the country.



SUSLAND project (2014-19), Academy of Finland, 132819
 GESEC project (2016-18), Business Finland/ BEAM
 Geo-ICT project (2017-20), Ministry for Foreign Affairs of Finland/ HEI-HCI

References

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 Käyhkö N, et al. (2018). Building geospatial competences in Tanzanian universities with open source solutions. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences – ISPRS Archives*, XLII-4/W8, 1682-1750.
 National Land Use Planning Commission (2018). *Tools and Spatial Technologies for Village Land Use Planning – A Practitioner's Manual for Active Community Engagement*. 112 p. NLUPC, Dar es Salaam, Tanzania. <www.nlupc.go.tz/publications/guidelines>



tanzania.utu.fi

Videos from: tanzania.utu.fi/videos/

Facebook: [UTU Tanzania team](https://www.facebook.com/UTU-Tanzania-team)