



Horizon 2020
European Union funding
for Research & Innovation



Deliverable 1.2

Advisory Board

14th May 2016

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Abstract:

Overview of its4land Advisory Board's function, members, and justification

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Work Package: 1

Lead: University of Twente

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Contributors: Rohan Bennett, Tarek Zein, Mireille Biraro



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The its4land consortium consists of the following partners:

University of Twente (UT)

KU Leuven (KUL)

Westfaelische Wilhelms-Universitaet Muenster (WWU)

Hansa Luftbild AG (HL)

Institut d'Enseignement Supérieur de Ruhengeri (INES)

Bahir Dar University (BDU)

Technical University of Kenya (TUK)

esri Rwanda (ESRI).



Executive Summary

This report outlines and justifies the role, membership, and work schedule for the its4land Advisory Board (AB). The AB forms part of the organizational structure and decision-making processes of its4land. The primary role of the AB is to provide advice on previous progress, current status, and potential future directions of its4land over the 4-year project lifespan. A secondary role is to raise awareness of its4land in other forums, where appropriate. The AB consists of stakeholders formally outside the its4land project consortium. Membership comes from primary stakeholder groups identified during initial proposal development and on-going work from WP1 (Project Management) and WP2 (Get Needs). Represented groups include: East African interests (including citizens/smallholders and public sector/government); the international land sector (including international agencies and professional bodies); the global geospatial and information technology sector; the research and education sector; the emerging user sector (including NGOs, not-for-profit, and private sector); and the ethics domain. The final selected constellation of AB membership includes: Dr. Judy Kariuki (UN-ECA; Ethiopia); Mr. Kees de Zeeuw (Netherlands Kadaster International; Netherlands); Mr. Frank Pichel, (Cadasta.org, United States), Mr. Matt Delano (Trimble Navigation, United States), Prof. Grenville Barnes (University of Florida, United States); and Dr. Michael Nagenborg (University of Twente, Netherlands). The AB nominally meets on 1 occasion per year at a location and time suitable to all AB members.

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1. Introduction

its4land is a European Commission Horizon 2020 project funded under its Industrial Leadership program, specifically the ‘Leadership in enabling and industrial technologies – Information and Communication Technologies ICT (H2020-EU.2.1.1.)’, under the call H2020-ICT-2015 – and the specific topic – ‘International partnership building in low and middle income countries’ ICT-39-2015.

its4land aims to deliver an innovative suite of land tenure recording tools that respond to sub Saharan Africa’s immense challenge to rapidly and cheaply map millions of unrecognized land rights in the region. ICT innovation is intended to play a key role. Many existing ICT-based approaches to land tenure recording in the region have not been highly successful: disputes abound, investment is impeded, and the community’s poorest lose out. its4land seeks to reinforce strategic collaboration between the EU and East Africa via a scalable and transferrable ICT solution. Established local, national, and international partnerships seek to drive the project results beyond research and design (R&D) into the commercial realm. its4land combines an innovation process with emerging geospatial technologies, including smart sketchmaps, UAVs, automated feature extraction, and geocloud services, to deliver land recording services that are end-user responsive, market driven, and fit-for-purpose. The transdisciplinary work also develops supportive models for governance, capacity development, and business capitalization. Gender sensitive analysis and design is also incorporated. Set in the East African development hotbeds of Rwanda, Kenya, and Ethiopia, its4land falls within TRL 5-7: 3 major phases host 8 work packages (excluding work package 9 on ethics) that enable contextualization, design, and eventual land sector transformation. In line with Living Labs thinking, localized pilots and demonstrations are embedded in the design process. The experienced consortium is multi-sectorial, multi-national, and multidisciplinary. It includes SMEs and researchers from 3 EU countries and 3 East African countries: the necessary complementary skills and expertise is delivered. Responses to the range of barriers are prepared: strong networks across East Africa are key in mitigation. The tailored project management plan ensures clear milestones and deliverables, and supports result dissemination and exploitation: specific work packages and roles focus on the latter.

The initial its4land project proposal, grant agreement, and consortium agreement demand the establishment of an *Advisory Board (AB)* to guide and advise on its4land as it develops over the 4-year project lifespan. This report aims to outline and justify the function, membership, and schedule for the AB. It constitutes a key part of Work Package 1 (Project Management) and is represents Deliverable 1.2 ‘Advisory Board’. The main aim of the Work Package is to provide a governance structure for the its4land project, including all other Work Packages, and ensure efficient and effective completion of tasks, deliverables, and milestones. The report first describes and justifies the role of the AB (Section 2), the makeup of the board is then outlined and specific members introduced (Section 3), a nominal meeting schedule is then proposed (Section 4). A summary of the Deliverable (1.2) is provided in the final Section (Section 5).

2. Role

The its4land project has an established organizational structure and decision-making process as described respectively in the its4land grant agreement (GA) and consortium agreement (CA)¹. Generally speaking, the structures and processes developed adhere to academic project governance structures as used in other European Commission research programs (e.g. FP7) – however, special roles are created to maximize dissemination and exploitation, as this is a Research in Action (RIA) EC initiative. The AB forms part of the broader project management and governance of the its4land project (Figure 1).

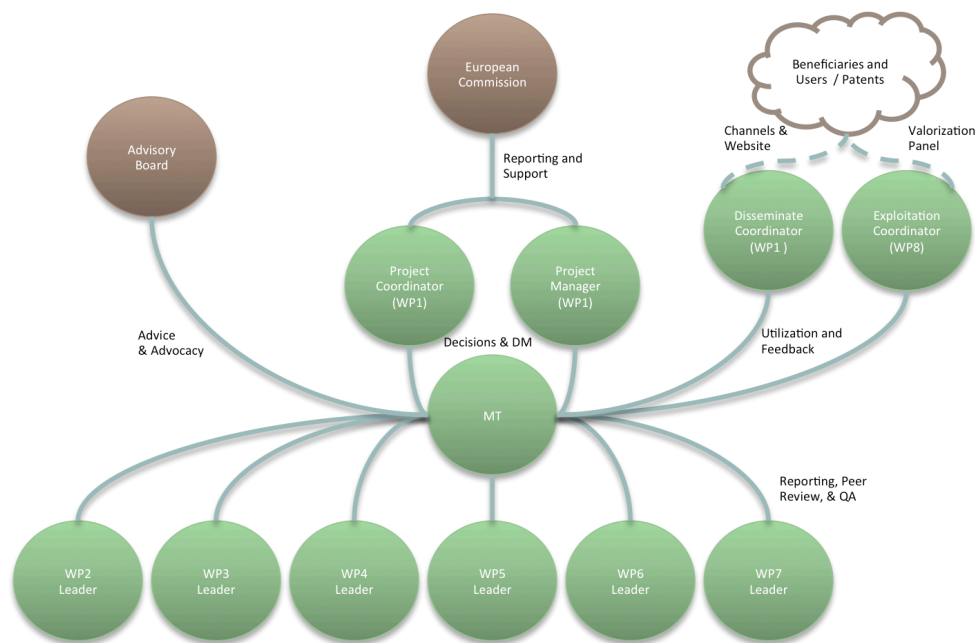


Figure 1. its4land organizational and decision making structure

The its4land AB consists of stakeholders that do not form part of the project consortium. It is considered independent of the consortium and the donor (European Commission). The overarching aim is for this group to keep some distance from the project to enable objective and constructive advice to improve its functioning and the quality of its outputs. The primary role of the AB is to provide advice on previous progress, current status, and potential future directions of its4land. A secondary role is to raise awareness of its4land in other forums, where appropriate. The AB is intended to meet on a yearly basis at times and locations suitable for all members. The AB primarily interacts with its4land through the Management Team (MT).

The MT plays a central integrating role for all other decision-making and advisory activities within its4land. The MT is led by a Project Coordinator (Work Package 1),

¹ Available upon request from Project Coordinator, Rohan Bennett (r.m.bennett@utwente.nl)

and receives support from a dedicated Project Manager. The MT meets on a quarterly basis, but also on an as-needs basis, to update on tasks, deliverables, and milestone completion – and make decisions with regards to project progress.

Project tasks, milestones, and deliverables are primarily completed via the content work packages (2-7). Each work package has a prescribed leader, who sits on the its4land Management Team (MT).

The Project Coordinator reports deliverables directly to the European Commission electronically, on behalf of the MT, on an ongoing basis. Formal financial and project reporting occurs at several prescribed intervals throughout the project lifespan.

Leaders of Work Package 1 and Work Package 8 respectively act as Dissemination Coordinator and Exploitation Coordinator: these roles ensure interaction, via communication channels and the valorization panel, with end-users and beneficiaries. In addition, they deliver feedback from dissemination and exploitation activities – directly into the MT.

3. Membership

The number and nature of the members of the AB is defined by the key stakeholder groupings established during its4land meetings on February 02, 2016 (WP2), February 25, 2016 (WP1/MT), and February 26, 2016 (WP1/its4land Kick-Off Meeting) – all taking place at the University of Twente, Enschede, Netherlands.

The primary groups include: East African Land Sector (including both smallholder and government interests); the Global Grassroots Land Sector (including NGOs, not-for-profit, and civil society organizations); the International Land Sector (including UN agencies, and professional bodies, and donors); the global Geo-ICT industry; and Research and Academic Community (encompassing both interests in ICT and land administration research interests); and the ethics/technology community (Figure 1). Therefore, the AB consists of 5 members. Arguments can be made for separating several of the broad groupings and creating a larger AB membership. For example, the International Land Sector could be broken into donor interests and professional body interests. However, the MT decided a trade-off between full stakeholder representation and AB effectiveness needed to be struck – and consequently 6 seats were established.



Figure 1. its4land AB membership groupings

A thorough search procedure, led by the Project Coordinator, with input from the MT resulted in the identification, invitation, and acceptance of the representatives in Table 1: justifications are also provided. Where an AB member stands down from the position (for whatever reason) a suitable replacement will be identified and invited by the MT.

Table 1. Advisory Board Members

Sector	Member	Position	Justification	Contact
East African Land Sector	Judy Wambui Kariuki	Economic Affairs Officer - Regional Land Expert Land Policy Initiative (LPI) Regional Intergration and Trade Division (RITD) UN Economic Commission for Africa (UNECA)	Expertise and linkages with both East African smallholder communities and national government land bodies	P.O.Box 3005 Addis Ababa, Ethiopia +251115445673 JWambuiKariuki@Uneca.org www.uneca.org
Grassroots Land Sector	Frank Pichel	Chief Programs Officer & Co-Founder Cadasta Foundation	Grassroots land tenure recording innovator - with intentions for scaled application	Washington D.C., United States frankpichel@gmail.com http://cadasta.org
International Land Sector	Kees de Zeeuw	Director Kadaster International Netherlands Kadaster	Expert in land tenure recordation and spatial tools with international linkages into FIG, UN-Habitat, and UN-GGIM	P.O. Box 9046, 7300 GH Apeldoorn, The Netherlands +31 88 183 4417 Kees.dezeeuw@kadaster.nl https://www.kadaster.nl/web/s/how
Geo-ICT Sector	Matthew Delano	Business Area Director – Land Administration Solutions Trimble Navigation	World leader in development and supply of land administration technology solutions	Colarardo Area, United States Matt_delano@trimble.com
Research and Academia	Grenville Barnes	Professor School of Forest Resources and Conservation University of Florida	Internationally recognized academic working in land tenure and Geo-ICT developments fields	PO Box 110565, Gainesville FL 32611-0565, United States +3523924998 gbarnes@ufl.edu https://sfrc.ufl.edu/people/faculty/barnes/
Ethics	Michael Nagenborg	Assistant Professor Department of Philosophy University of Twente	Internationally recognized expert on philosophy for technology and 3TU.Ethics / Managing Director	Post Box 217 7500 AE Enschede Cubicus, C 324 tel. 053 489 3428 / 3297 email: m.h.nagenborg@utwente.nl

4. Schedule

The AB is intended to meet annually on occasions suitable to the membership. The tentative schedule for 2016-2020 is presented in Table 2.

Table 2. Advisory Board Meeting Schedule

No	Date	Location	Event	Key Items
1	October 2016	Online (unless suitable event can be identified)	N/A	<ul style="list-style-type: none"> - Overarching objectives - Stakeholder inclusion - Linkages to other initiatives
2	March 2017	Washington D.C, United States	World Bank Conference on Land and Poverty	<ul style="list-style-type: none"> - Needs assessment - Technical development of tools
3	April/May 2018	Nairobi, Kenya, or Addis Ababa, Ethiopia	TBC	<ul style="list-style-type: none"> - Tool piloting results and reactions - Dissemination and exploitation
4	April/May 2019	Brussels, Belgium	Net Futures 2019	<ul style="list-style-type: none"> - Dissemination and exploitation developments - Governance model - Business models
5	January 2020	Nairobi, Kenya, or Addis Ababa, Ethiopia	TBC	<ul style="list-style-type: none"> - Business models - Wrap up and forward planning

5. Summary

This report outlined and justified the role, membership, and work schedule for the its4land Advisory Board (AB). The AB will form part of the organizational structure and decision-making processes of its4land. The primary role of the AB is to provide advice on previous progress, current status, and potential future directions of its4land. A secondary role is to raise awareness of its4land in other forums, where appropriate.

The AB consists of stakeholders formally outside the its4land project consortium. Membership comes from primary stakeholder groups identified during initial proposal development and on-going work from WP1 (Project Management) and WP2 (Get Needs). Represented groups include: East African interests (including citizens/smallholders and public sector/government); the international land sector (including international agencies and professional bodies); the global geospatial and information technology sector; the research and education sector; the emerging user sector (including NGOs, not-for-profit, and private sector); and the ethics for technology sector.

The final selected constellation of AB membership includes: Dr. Judy Kariuki (UN-ECA, Ethiopia); Mr. Kees de Zeeuw (Kadaster International, Netherlands); Mr. Frank Pichel (Cadasta.org, United States), Mr. Matt Delano (Trimble Navigation, United States); Prof. Grenville Barnes (University of Florida, United States); Michael Nagenborg (University of Twente, Netherlands). The AB nominally meets on 1 occasion per year at a location and time suitable to all AB members.

Annex i – Advisory Board Invitations²

² All accepted



Dr. Judy Wambui Kariuki

**Economic Affairs Officer - Regional Land Expert
Land Policy Initiative (LPI)
Regional Intergration and Trade Division (RITD)
UN Economic Commission for Africa (UNECA)
P.O.Box 3005 Addis Ababa
Ethiopia**

Subject: formal invitation as Advisory Board member for its4land project

Our Ref: 051 RB/pw

Date: 18 April 2016

Dear Dr. Judy Wambui Kariuki,

I am writing you in my capacity as Project Coordinator for the **its4land** research and innovation project funded by the European Commission Horizon 2020 program. The project focuses on developing geospatial information technologies for application in East African land administration. Our main aim is to create seven new tools that can help make land rights mapping easier, cheaper, faster and more responsible. The project runs from 2016 to 2020 and involves eight partners from six countries, across two continents. For now, more details can be found on our public website: <https://its4land.com/>.

With this letter, I would like to formally invite you to be a member of the **its4land** Advisory Board (AB): during a recent **its4land** Management Team (MT) meeting, your experiences and knowledge in the fields of land administration and development were identified as an ideal fit for the AB. After reviewing the role and function of the AB, we hope you will be interested and available to play a role.

With regards to role, function and timing, the AB is intentionally not involved in the daily affairs of the project. It is intended to keep some distance – in order to enable objective and constructive advice on improving the project and the quality of its outputs, over the period 2016 – 2020. The primary role of the AB is to provide advice on work completed in the previous period, current status and potential future directions of **its4land**. A secondary role is to raise awareness of **its4land** in other forums, where appropriate. The AB is intended to meet on a yearly basis at times and locations suitable for all members. The AB primarily interacts with **its4land** through the **its4land** MT. AB membership is not paid, although, where possible and necessary, some travel costs may be covered.



With regards to makeup, the AB consists of stakeholders that do not form part of the project consortium. It is considered independent of the consortium and the donor (European Commission). The MT has identified five essential stakeholder groups to be represented: the East African Land Sector (including both smallholder and government interests); the Grassroots Land Sector (including NGOs, not-for-profit, and civil society organizations); the International Sector (including UN agencies and professional bodies, and donors); the global Geo-ICT industry; and the Research and Academic Community (encompassing both interests in ICT and land administration). In addition, an expert in ethics for technology is included as a crucial sixth member.

If you wish to accept the offer, further information regarding the AB will be provided to you. In this regard, I look forward to hearing from you regarding to the invitation.

Yours sincerely,


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7500 AE Enschede - the Netherlands
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Dr. Rohan Bennett
Project Coordinator – **its4land**
University of Twente
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Frank Pichel

**Chief Programs Officer & Co-Founder
Cadasta Foundation
Washington D.C.
United States**

Subject: formal invitation as Advisory Board member for its4land project

Our Ref: 052 RB/pw

Date: 18 April 2016

Dear Frank Pichel,

I am writing you in my capacity as Project Coordinator for the **its4land** research and innovation project funded by the European Commission Horizon 2020 program. The project focuses on developing geospatial information technologies for application in East African land administration. Our main aim is to create seven new tools that can help make land rights mapping easier, cheaper, faster and more responsible. The project runs from 2016 to 2020 and involves eight partners from six countries, across two continents. For now, more details can be found on our public website: <https://its4land.com/>.

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info@itc.nl - www.itc.nl

Dr. Rohan Bennett
Project Coordinator – **its4land**
University of Twente
www.itc.nl





Kees de Zeeuw

**Director Kadaster International
P.O. Box 9046
7300 GH Apeldoorn
The Netherlands**

Subject: formal invitation as Advisory Board member for its4land project

Our Ref: 053 RB/pw

Date: 18 April 2016

Dear Kees de Zeeuw,

I am writing you in my capacity as Project Coordinator for the **its4land** research and innovation project funded by the European Commission Horizon 2020 program. The project focuses on developing geospatial information technologies for application in East African land administration. Our main aim is to create seven new tools that can help make land rights mapping easier, cheaper, faster and more responsible. The project runs from 2016 to 2020 and involves eight partners from six countries, across two continents. For now, more details can be found on our public website: <https://its4land.com/>.

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Mr. Matthew Delano

**Business Area Director
Land Administration Solutions at Trimble Navigation
Colorado
United States
matt_delano@trimble.com**

Subject: formal invitation as Advisory Board member for its4land project

Our Ref: 064 RB/pw

Date: 11 May 2016

Dear Matthew Delano,

I am writing you in my capacity as Project Coordinator for the **its4land** research and innovation project funded by the European Commission Horizon 2020 program. The project focuses on developing geospatial information technologies for application in East African land administration. Our main aim is to create seven new tools that can help make land rights mapping easier, cheaper, faster and more responsible. The project runs from 2016 to 2020 and involves eight partners from six countries, across two continents. For now, more details can be found on our public website: <https://its4land.com/>.

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Grenville Barnes

**Professor School of Forest Resources and Conservation
University of Florida
PO Box 110565
Gainesville FL 32611-0565
United States**

Subject: formal invitation as Advisory Board member for its4land project

Our Ref: 054 RB/pw

Date: 18 April 2016

Dear Prof. Dr. Grenville Barnes,

I am writing you in my capacity as Project Coordinator for the **its4land** research and innovation project funded by the European Commission Horizon 2020 program. The project focuses on developing geospatial information technologies for application in East African land administration. Our main aim is to create seven new tools that can help make land rights mapping easier, cheaper, faster and more responsible. The project runs from 2016 to 2020 and involves eight partners from six countries, across two continents. For now, more details can be found on our public website: <https://its4land.com/>.

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Dr. Michael Nagenborg

Assistant Professor for philosophy of technology
Department of Philosophy
University of Twente
Post Box 217
7500 AE Enschede
Cubicus, C 324

Subject: formal invitation as Advisory Board member for its4land project

Our Ref: 055 RB/pw

Date: 18 April 2016

Dear Prof. Dr. Michael Nagenborg,

I am writing you in my capacity as Project Coordinator for the **its4land** research and innovation project funded by the European Commission Horizon 2020 program. The project focuses on developing geospatial information technologies for application in East African land administration. Our main aim is to create seven new tools that can help make land rights mapping easier, cheaper, faster and more responsible. The project runs from 2016 to 2020 and involves eight partners from six countries, across two continents. For now, more details can be found on our public website: <https://its4land.com/>.

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