



Ethiopian Education Network to Support Agricultural Transformation (EENSAT): *OVERVIEW*

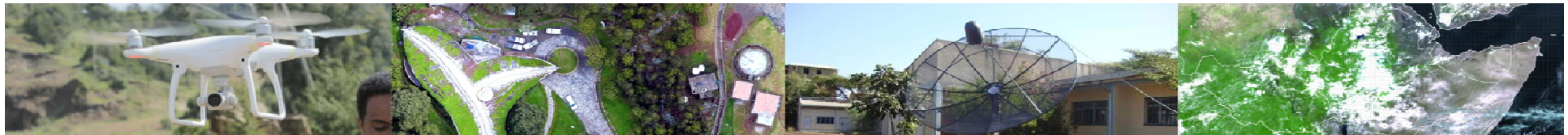
By: *Ben Maathuis*

EENSAT Project Kick-off workshop, 05 October 2017, Gulele Botanical Garden, Addis Ababa



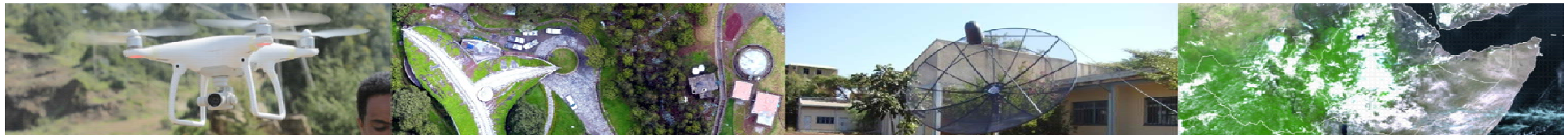
Project basic data

- Name of Ethiopian Partners:
 - Bahir Dar University (Lead) - Institute of Disaster Risk Management and Food Security / Geospatial Data and Technology Centre
 - Addis Ababa University – Africa Centre for Disaster Risk Management
 - Mekelle University – Institute of Geo Information and Earth Observation Science
- Name of Dutch Partner:
 - ITC-UT
- Other members:
 - Ethiopia: GEOSAS and Pan Africa Geoinformation Services
 - Netherlands: NEVASCO
- Duration: 01-01-2017 to 31-12-2020
- Available budget: 2.200.000 Euro (provided by NUFFIC / ITC-UT / MoE)
 - Linkage to other project opportunities



Background and project objective

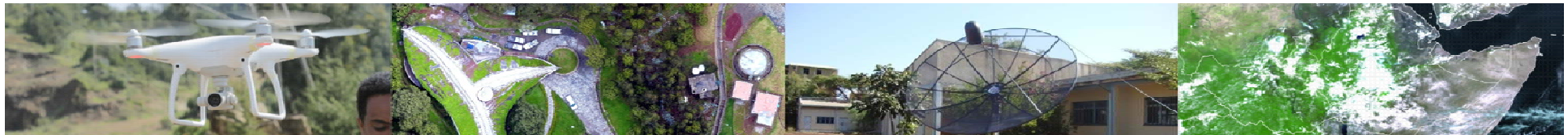
- Discussions have already been ongoing between project partners for a couple of years and resulted in a Letter of Agreement which was signed in April 2016 between Faculty ITC (University of Twente) and the Ministry of Education, Federal Democratic Republic of Ethiopia;
- The proposal developed is based on the requirements put forward by the Ministry and the participating universities during these meetings;
- The main objective is to strengthen and align the capacity of the higher learning centres (University and TVET) in Ethiopia with the requirements as formulated in the Ethiopian Growth and Transformation plan for the current 5 year period;
- Special emphasis on food security, water resources, climate change and land administration.



Innovative capacity development (1)

Activities envisaged are:

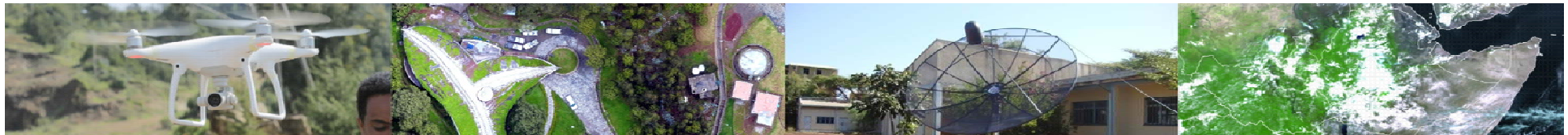
- Curriculum review and updated GI-program and staff trained in new domain specific courses;
- Installation of computer cluster infrastructure together with audio / video recording facilities;
- Introduction of digital learning management systems and provision of distance education, also in support of TVET;
- Utilization of low cost data acquisition systems, like UAVs and reception stations;
- Utilization of low cost, free/open source Geo-Information software tools;
- Review of education management and quality control procedures;
- Coherent applied research-program between 3 Universities supported by PhD and MSc studies;
- Common research area equipped with necessary *in-situ* data collection systems;



Innovative capacity development (2)

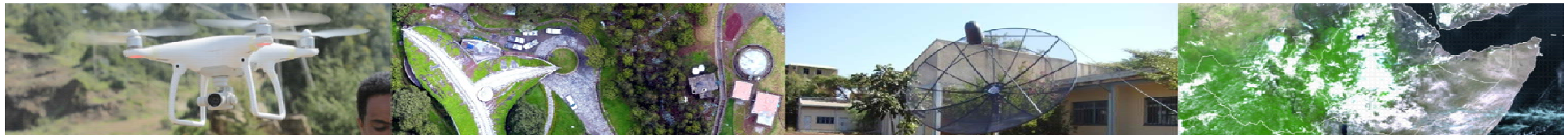
Activities envisaged are:

- Linkage between University and selected TVET institutes;
- Linkage between network and stakeholders from private and public sector for alignment of occupational profiles and standards;
- Inclusive and gender sensitive;
- Stimulation of entrepreneurship – new product development and other spin-off creation activities;
- Extension of collaboration with other knowledge institutes or networks, both national or within the region;
- Strong emphasis on sustainability / ownership to ensure continuity of education, research and outreach activities.

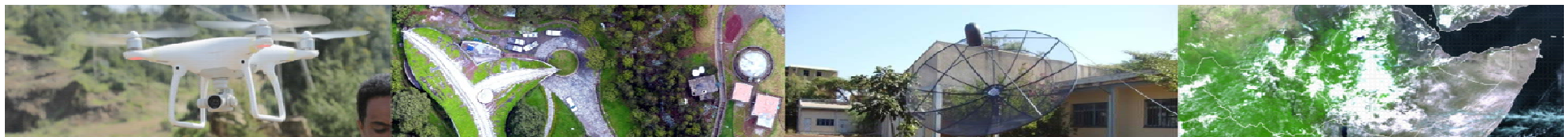


Activities conducted and foreseen

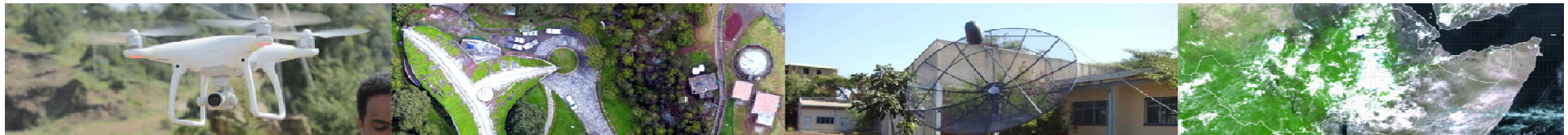
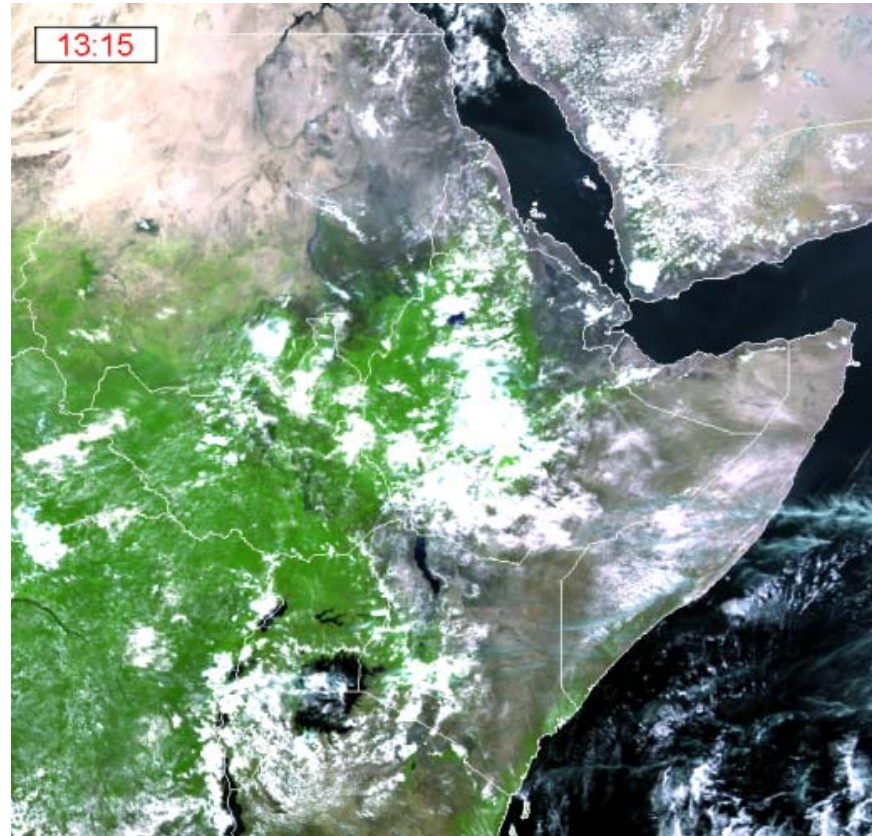
- Proposal accepted in December 2016, required further iteration with partners
- Fact finding mission Febr. 2017 to Ethiopian partner Universities and MoE
- Ethiopian partners to ITC-UT in April 2017 for further discussions
- Continuous iterations with partners based on action points defined
- Meeting July 2017 with project partners, MoE and Netherlands Embassy
- Drone flight at Gulele Botanical Garden, Addis Ababa in Aug. 2017
- Selection PhD candidates
- Finalize Report 0, in Sept. 2017
- Kick-off project in Addis on 05 Oct. 2017
- Start implementation of activities



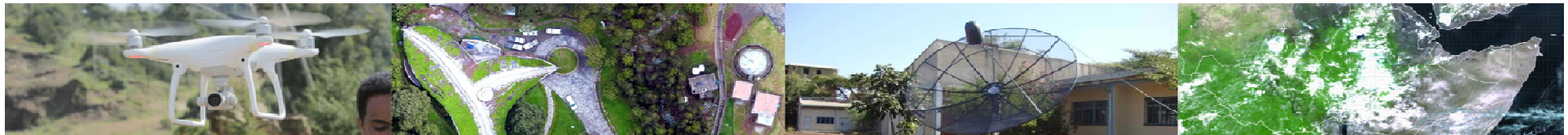
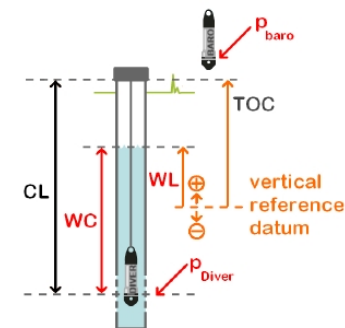
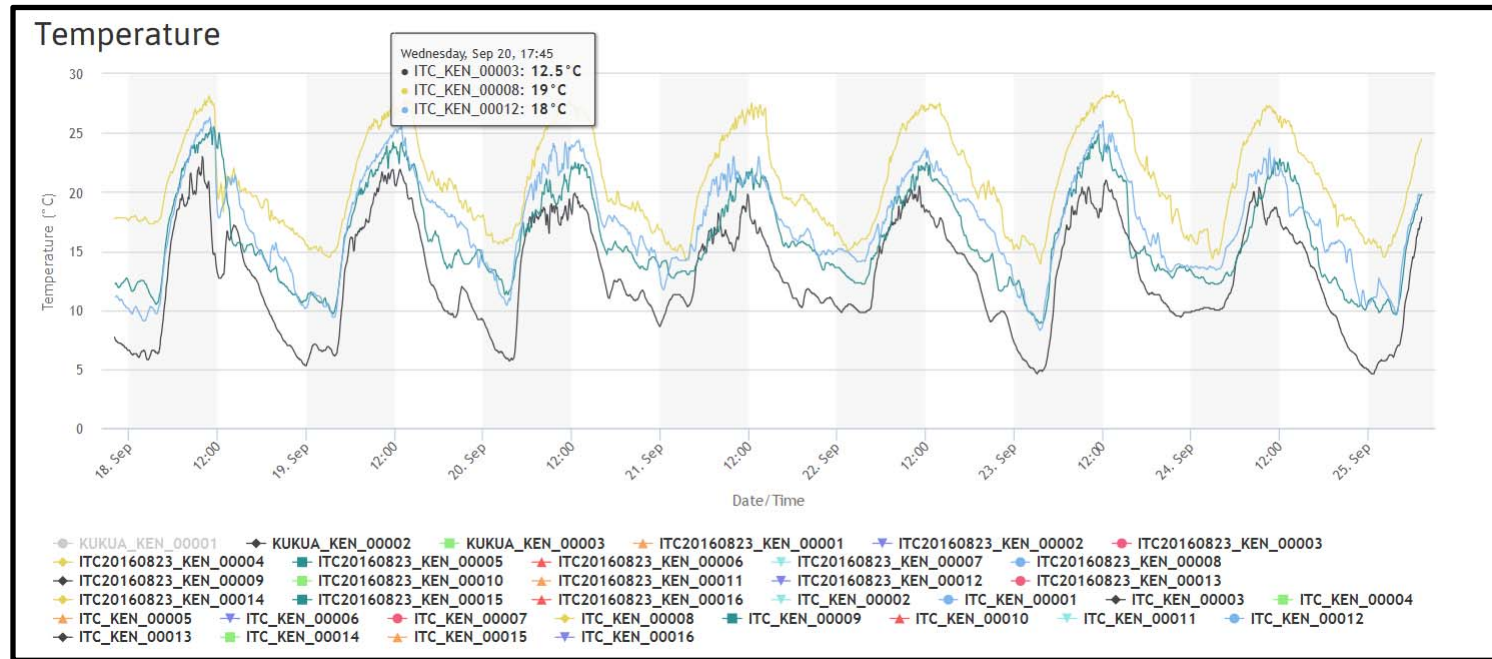
UAV image acquisition / map production



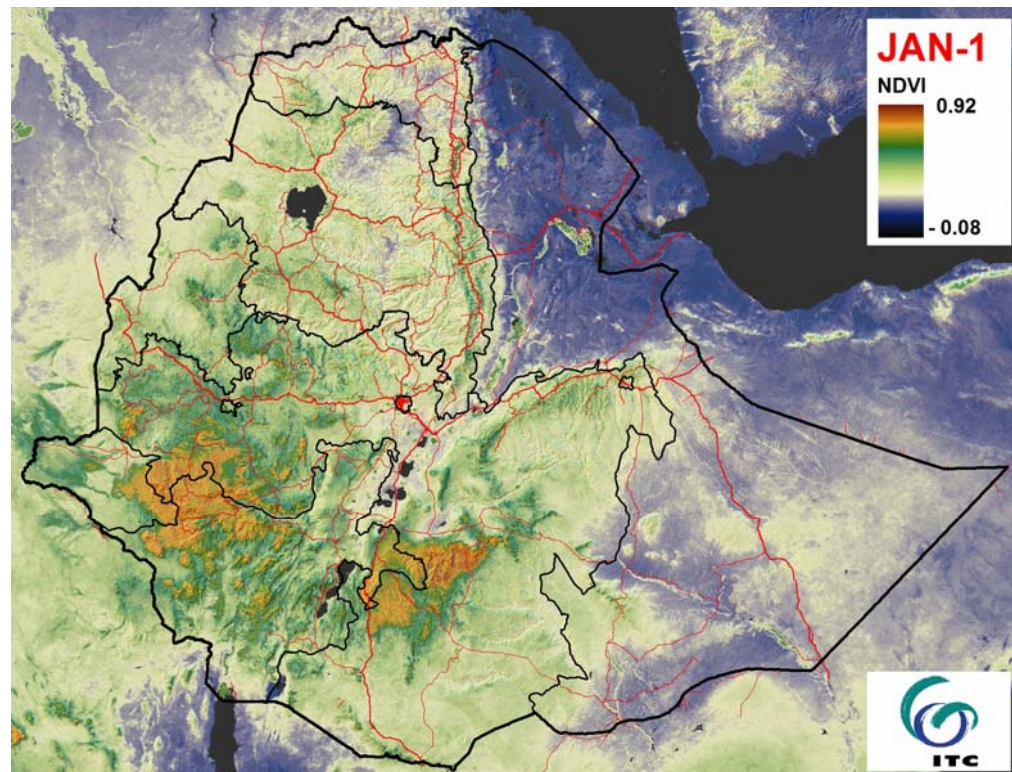
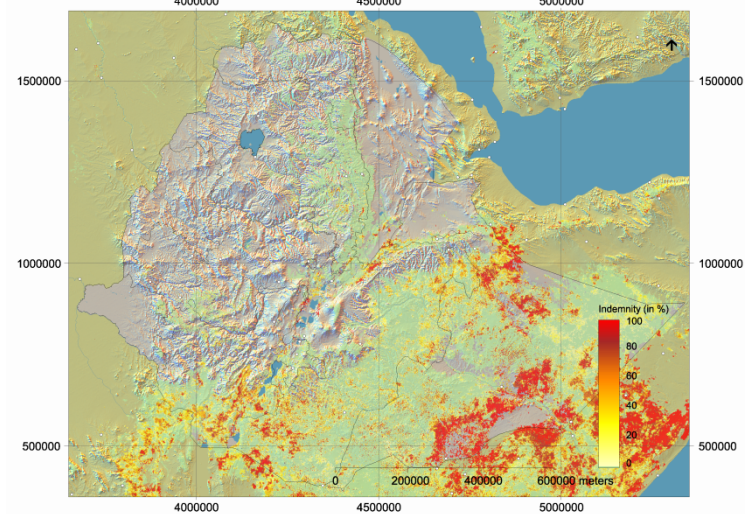
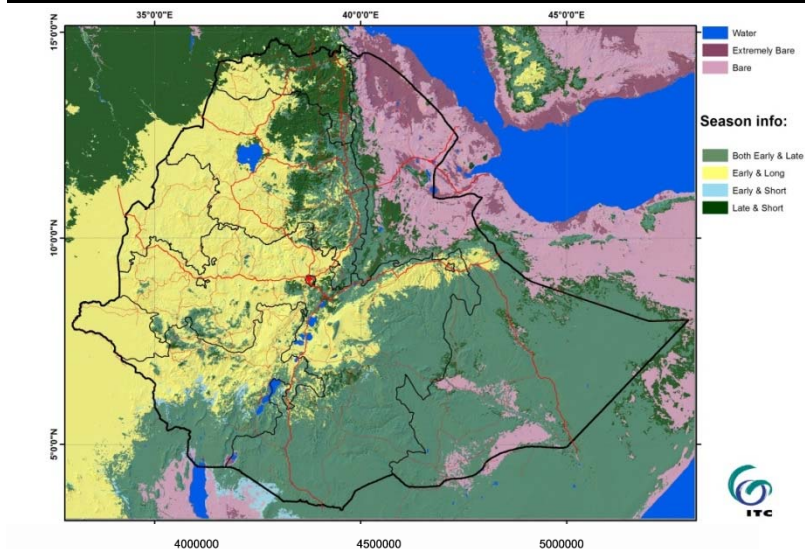
Application of EUMETCast



Support to research



New service opportunities



Thanks for your attention

