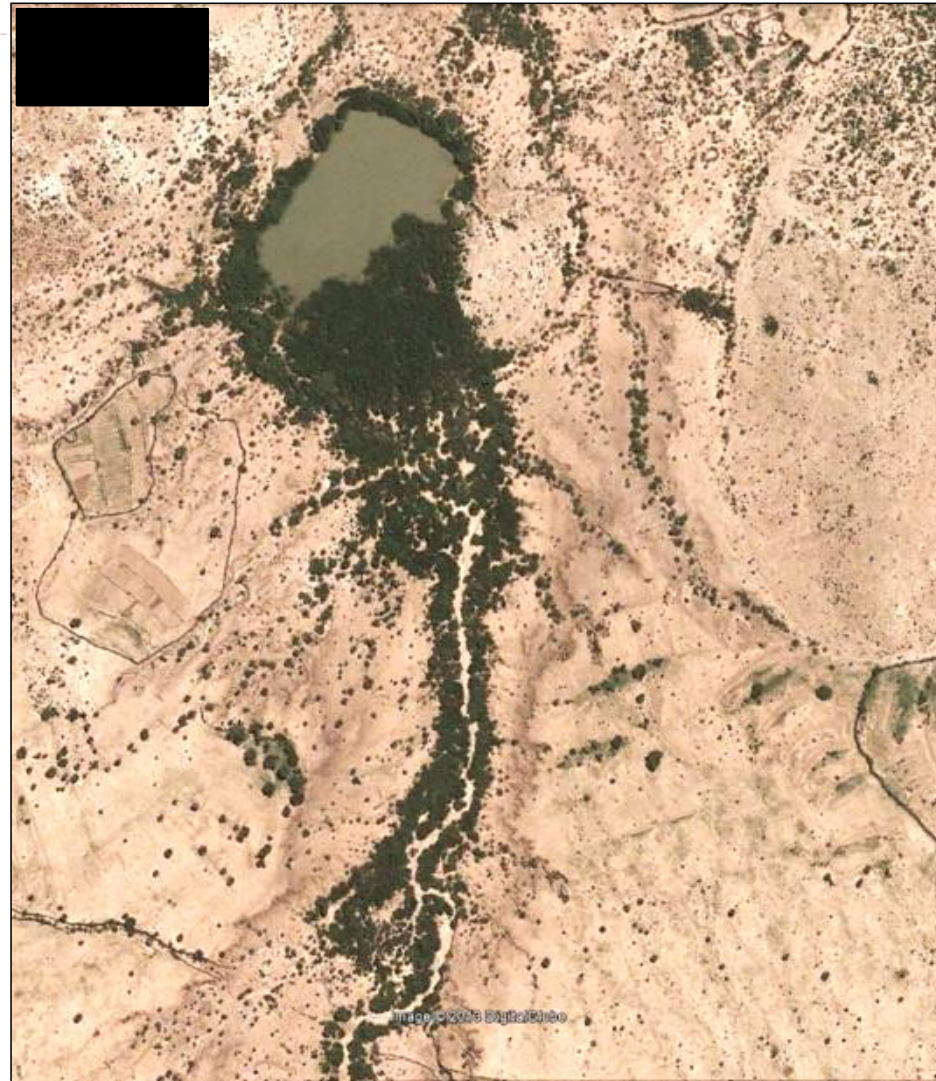


Overview

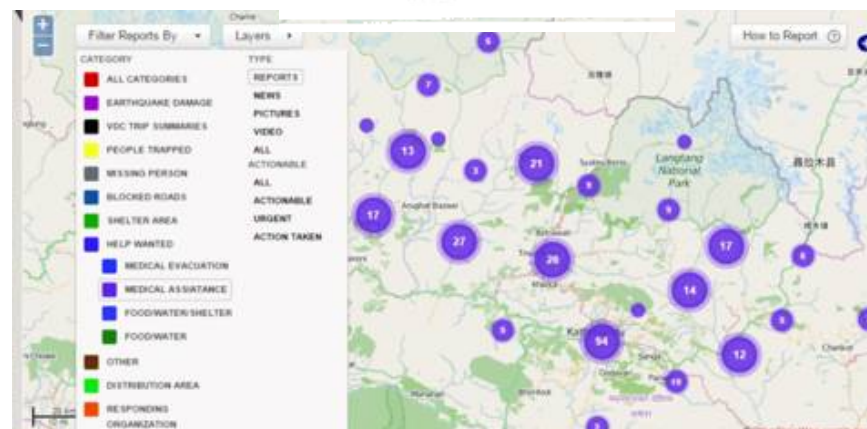
- **Prosopis juliflora is a drought-tolerant fast-growing tree species** originating from South and Central America with a high invasion potential in arid and **semi-arid areas** in Africa.
- **It was introduced in Somalia in the 1970s** and have spread vigorously since then.
- Despite being recognized as a serious issue in the country, **the actual scale of the problem is unknown.**



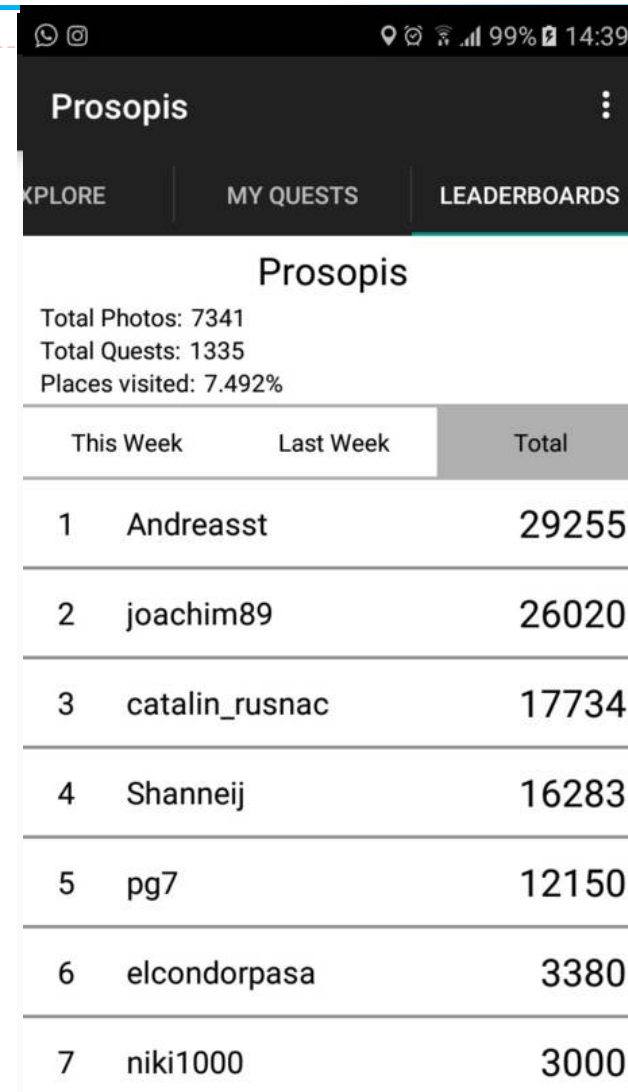
Detection of Prosopis Juliflora

Scaling up the mapping

- **Field data** collection is of **crucial importance** to develop mapping methodology by using remote sensed products.
- **Little information is available** as concern the location and the scale of prosopis spread in Somalia, especially in the South.
- The current **security situation** in Somalia, restricts the movements in the field of the international organizations.
- **Smartphones** have a great potentiality for **crowdsourcing** data collection in Somalia.
- SWALIM has a **widespread network** of professional links in Somalia.



- **SWALIM and JRC-EU** in collaboration with **IIASAs GEOWIKI team** are setting up a system for near real time monitoring of prosopis infested areas in Somalia.
- **IIASAs GEOWIKI team** has produced a **specific application** for Prosopis data collection.
- The Prosopis App functionality was verified by JRC and SWALIM experts

Prosopis

EXPLORE MY QUESTS LEADERBOARDS

Prosopis

Total Photos: 7341
Total Quests: 1335
Places visited: 7.492%

	This Week	Last Week	Total
1	Andreasst		29255
2	joachim89		26020
3	catalin_rusnac		17734
4	Shanneij		16283
5	pg7		12150
6	elcondorpasa		3380
7	niki1000		3000



Project LandSense

A Citizen Observatory and
Innovation Marketplace for Land
Use and Land Cover Monitoring

Motivation

- Improving the quality of remotely-sensed LULC products
- Uncovering the potential of citizen science and crowdsourcing at the intersection of LULC & EO
- Lowering cost and extension of in-situ component of LULC monitoring and management
- Business innovation and bringing technologies to market





LandSense Services



LandSense Services



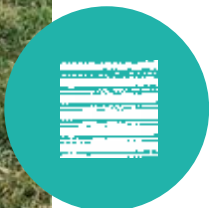
LandSense Campaigner



Farmland Support



Change Detector



Quality Assurance & Control

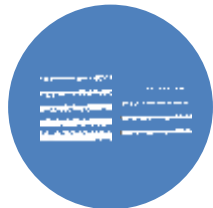
Demo Cases



Urban & Rural
Landscape Changes



Agricultural
Land Use



Habitat & Forest
Monitoring





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Thank you!

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