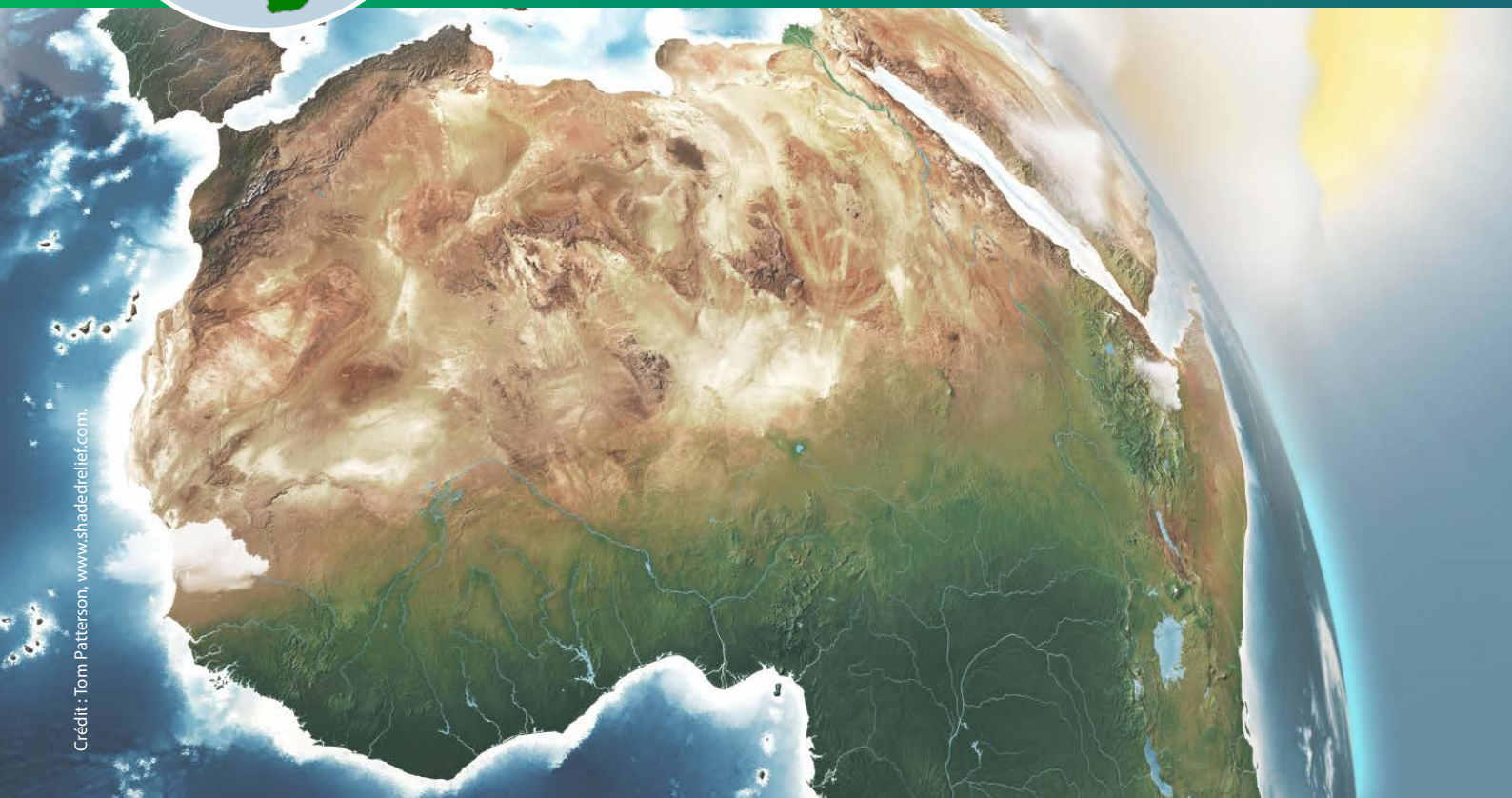




# Open Data for Resilient Agriculture Hackathon Accra 2019



Crédit : Tom Patterson, www.shadedrelief.com.

3 days

57 participants  
9 teams

3 Challenges

27 Data sets

3 winning  
projets

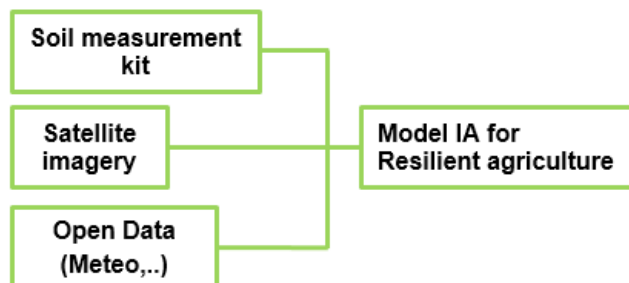
AFD supports open data in order to share knowledge enriched by the multitude of contributors and to create digital commons that benefit everyone. The Internet and browsers constitute the most advanced library, available to all without restriction but connectivity. This hackathon illustrates the potential of open data for agricultural development projects in Africa.

#MondeEnCommun


# The three winning projects


## The OSM team - AI4RA Artificial Intelligence for Resilient Agriculture

This project proposes to build a model based on machine learning, which combines remote sensing and field data to generate data on soil composition. Field information is collected using a measurement kit used by volunteers such as those from OSM.



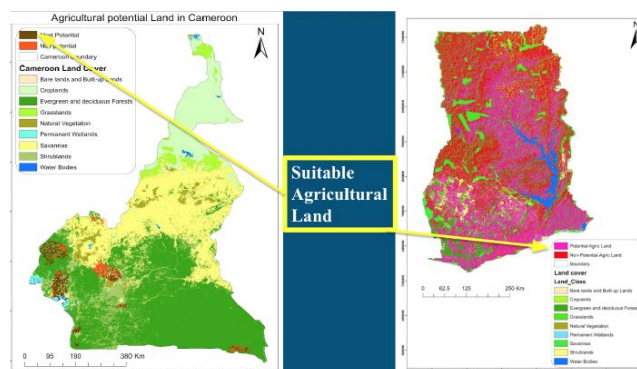
 Le theme :  
Soil quality


 The team :  
4 volunteers OSM from Togo,  
Madagascar and Mali

 The users :  
Farmers, Researchers, Investors,  
Decision-makers, Startups


## GEORS - Estimation of agricultural potential by remote sensing

This project proposes a model that combines several data from remote sensing and other GIS data to determine the agricultural potential of the land. The model has been tested on Ghana and Cameroon, and prototypes maps have been produced for these two countries, showing the areas potentially available for agriculture.



 The theme :  
Promising agricultural areas

 The team :  
6 people

 Les utilisateurs :  
Farmers, Researchers, Investors,  
Decision-makers

## TRAZA Group - Which areas are most affected by human activities?

This project studies the loss of forest cover and carbon emissions and analyses their impacts on agriculture in South Cameroon. The aim is to enable decision-makers and researchers to identify the most affected areas by deforestation and encroachment.

These results will help users to:

- Identify the animal and plant species impacted
- Improve forest management
- Identify the most affected areas

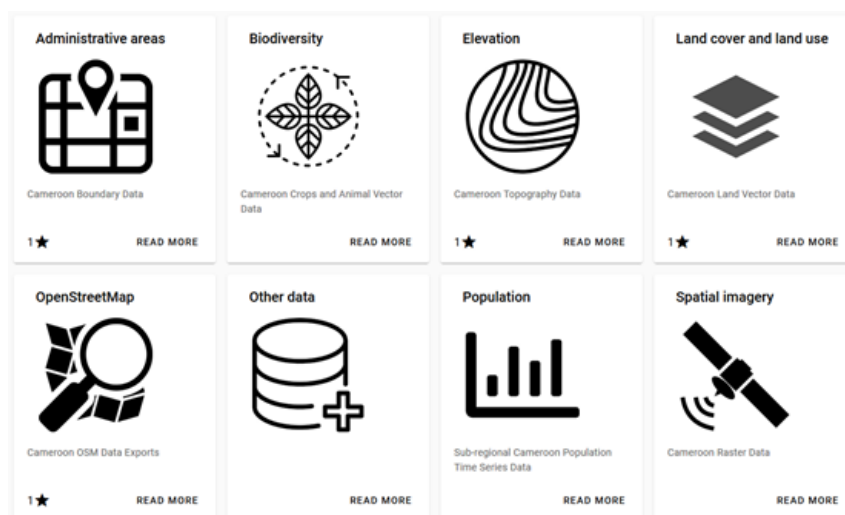


 The theme :  
Deforestation and  
agriculture

 The team :  
5 people

 The users :  
Farmers, Researchers, Environmental Agencies,  
NGOs

## The data sets



The hackathon website is at your disposal!

<https://agdic-hackathon.frama.io/>

Space data were provided graciously by the OSFACO project, and elevation data by NASA. Thanks to them and to the European Space Agency.

## Meet the winners!

The OSM team



The Geors

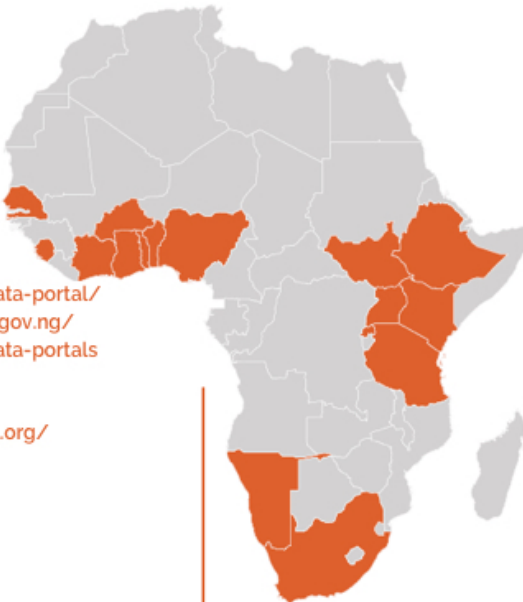


The Traza group





# Open data in Africa



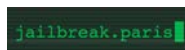
Burkina Faso <http://data.gov.bf/>  
Ethiopie <https://www.data.gov.et/>  
Ghana <https://www.data.gov.gh/>  
Côte d'Ivoire <http://data.gov.ci/>  
Kenya <https://www.opendata.go.ke/>  
<https://data.gov.mu.org/>  
<https://nsa.org/na/page/open-data-portal/>  
Nigeria : Etat d'Edo <http://data.edostate.gov.ng/>  
Rwanda <http://www.statistics.gov.rw/data-portals>  
Sénégal <http://senegalouvert.org/>  
Sierra Leone <http://opendatasl.gov.sl/>  
Soudan du Sud\* <https://www.sudandata.org/>  
Afrique du Sud\* <http://data.gov.za/>  
Tanzanie <http://opendata.go.tz/>  
Togo <http://www.opendata.gouv.tg/>  
Ouganda <http://catalog.data.ug/>

*\* Initiatives venant de la société civile*  
*Cette liste ne prend pas en compte les initiatives open data émanant des bailleurs.*

Source: Mutuku, L. & Tinto, T. (2019) The State of Open Data: Histories and Horizons. Chapter: Open Data Around the World - Sub-Saharan Africa.



THANKS TO THEM



For more information, go to the forum: <https://forum.ogptoolbox.org/>  
Or send an email to AFD: [maitrea@afd.fr](mailto:maitrea@afd.fr)

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