



Mr Nurdin Chamuya
Tanzania Forest Services Agency
Forest Resources Monitoring and Assessment Section
Mpingo House Nyerere Road
P.O. Box 40832
Dar es Salaam, Tanzania

DATE
July 14, 2016

SUBJECT
Sharing of soil data

YOUR REFERENCE

OUR REFERENCE
16ISR0013

Request for possible soil data sharing

POSTAL ADDRESS
P.O. Box 353
6700AJ Wageningen
The Netherlands

VISITORS' ADDRESS
Droevendaalsesteeg 3
Building 101
6708 PB Wageningen
The Netherlands

INTERNET
www.isric.org

BANK
ABN-AMRO 41.31.03.196

TELEPHONE (GENERAL)
+31 (317) 48 37 35

FAX (c/o ESG)
+31 (317) 41 90 00

EMAIL
soil.isric@wur.nl

Dear Mr Chamuya,

From August 2013 to January 2014 we have collaborated on a FAO-funded project to map soil organic carbon content and stocks for Tanzania using the NAFORMA soil sample data set. This project was carried out in the framework of the NAFORMA project under supervision of Mr. Søren Dalsgaard. Recently, we have jointly authored and submitted a journal article on this work to share our joint effort with a wider audience.

Since 2012, ISRIC has been working on developing continental (Africa) and global maps of key soil properties relevant for agro-environmental applications under ISRIC's *SoilGrids* project. An example of output of a *SoilGrids* project are the soil property maps of Africa at 250 m spatial resolution, available for download at: <http://www.isric.org/data/afsoilgrids250m>.

We would very much like to use the NAFORMA dataset to improve the quality of the *SoilGrids* maps on the global level in general, and for the *SoilGrids* representation of Tanzania in particular.

The *SoilGrids* maps are distributed freely under the Creative Commons - Attribution license (CC-BY); ISRIC makes no profit from distributing *SoilGrids* products. This means that all soil maps are available without restrictions (except author attribution) to support students, researchers and policy makers in Tanzania, and elsewhere, who work in natural resource management. The maps are generated at high spatial resolution (250 m), which make them highly suitable for application at national level. Furthermore, computer scripts and a workflow report that show how to generate a digital soil map for Tanzania from the NAFORMA data are made available as well. This will enable Tanzanian students and researchers to produce digital soil maps from the NAFORMA soil sampling dataset themselves.

We would like to enquire if you or your institution would be willing to share the **NAFORMA soil sample dataset** for inclusion/processing in the ISRIC World Soil Information Service (WoSIS) for the purpose outlined in this letter and, if so, under which conditions (please see form below).

ISRIC has adopted the same general principles as the ICSU-WDS Data Policy, which is in accord with GEO/GEOSS principles for data sharing. As such, we aim for full and open sharing of data. However, in recognition of possible 'inherited restrictions', each potential data contributor may indicate how the data they provide may ultimately be shared with the international community through our web services. This means that, in case you share data with ISRIC, you may indicate with whom ISRIC may share these data, and under which specific conditions. By sharing data with us you can also increase the impact and visibility of your organisation's work; further, a copy of your valuable data will

DATE
July 14, 2016

PAGE
2 of 2

be safeguarded at ISRIC. All data providers will be fully acknowledged in accord with the terms of our Data Policy (see [Data Use and Citation](#)). Should you desire additional information, or should another person be contacted concerning this request for data sharing, please let us know.

We look forward to a positive reply.

Sincerely yours,



H. van den Bosch
Director, ISRIC – World Soil Information

Attachment Letter of agreement on “soil data sharing”

Letter of agreement on "soil data sharing"

DATE
July 14, 2016

Name of data set: NAFORMA soil sample dataset

PAGE
3 of 3

The undersigned agrees that the above data set may be included in the ISRIC - World Soil Information Service (WoSIS) under the following conditions:

1. It is acknowledged/cited as:

NAFORMA, 2015. National Forest Resources Monitoring and Assessment of Tanzania Mainland - Main Results, Ministry of Natural Resources & Tourism, 130 pp. Available at: <http://www.fao.org/forestry/17847/en/tza/> and <http://naforma.mnrt.go.tz/>.

2. The data set remains property of the data provider, in this case the Tanzania Forest Services Agency.

3. Once incorporated into WoSIS, the data provided may be shared freely with the international community as follows:

a. Full (*i.e., location and measurement data*)

No

OR

b. Limited (*i.e., only the location of the point data and meta data; in this case, for full access to the data potential users must directly contact the data provider using the contact information given below*)

Yes

4. Implicitly, should case 3b apply, ISRIC may use the full data set to generate derived SoilGrids products (output as a result of data processing), such as soil maps and scientific visualizations, to the benefit of the international user community under the condition that the original NAFORMA soil data cannot be derived or re-engineered from these.

5. Tanzania Forest Services Agency will be acknowledged as the data provider in all publications, including websites, related to derived SoilGrids products for which the data set is used as input.

6. Any derived products generated under 4 may be distributed freely in accord with ISRIC's Data use and citation clauses. This means that all SoilGrids maps will be available without restrictions to the public in Tanzania, and worldwide, for use in education, research and policy making in natural resource management. In addition, computer scripts will be made available that will enable students and researches in Tanzania developing digital soil maps from the NAFORMA soil sampling dataset.

Name: Mr Nurdin Chamuya

Organisation: Tanzania Forest Services Agency, Forest Resources Monitoring and Assessment Section

Address: Mpingo House Nyerere Road, P.O. Box 40832, Dar es Salaam, Tanzania

Email: nuruchamuya@yahoo.com

Website: <http://www.tfs.go.tz/>

Signature: _____ Date: _____