

From: [Kempen, Bas](#)
To: [Batjes, Niels](#)
Subject: IFDC soil data sharing
Date: 10-mrt-2016 17:49:04
Attachments: [4C781CF5-0704-448B-8DB0-C0BA08EE4529.png](#)
[ISRIC_DataSharingRequest_IFDC_FINAL.pdf](#)

Niels,

Bijgevoegd de data sharing overeenkomst met IFDC met hieronder het akkoord van Stephen Humphreys, directeur IFDC East and Southern Africa Division.

Groet,
Bas

From: Wendt, John <jwendt@ifdc.org> [mailto:JWendt@ifdc.org]
Sent: woensdag 9 maart 2016 19:53
To: Kempen, Bas
Subject: FW: soil data sharing

For your written records Bas, Steve's approval below.
John Wendt

Senior Soil Fertility Expert
IFDC East and Southern Africa Division
Nairobi, Kenya
Tel. (Mobile) +254 723 998 281
Tel. (Office) +254 20 863 2720
Fax +254 20 863 2729
Email jwendt@ifdc.org

From: "Humphreys, Steven <shumphreys@ifdc.org>" <shumphreys@ifdc.org>
Date: Wednesday, March 9, 2016 at 9:36 PM
To: John Wendt <JWendt@ifdc.org>
Subject: Re: soil data sharing

Hi John
Yes I approve
Rgds Steve

Steven Humphreys
Director, IFDC-East and Southern Africa Division,
ICRPE Compound, Off Thika Road, Kasarani,
P.O. Box 30772 – 00100, Nairobi - KENYA
Tel: +254 20 863 2720, +254 20 863 2734 (direct)
Mobile: +254 715 497259, Email:shumphreys@ifdc.org
Skype:stevenchumphreys1, Website: www.ifdc.org



From: "Wendt, John <jwendt@ifdc.org>" <JWendt@ifdc.org>
Date: Wednesday, March 9, 2016 7:41 PM
To: Steven Humphreys <shumphreys@ifdc.org>
Subject: FW: soil data sharing

Steve, please see the attached. I let this slip through during our busy week.

Can you signal your approval by Email so we can put this behind us? The time we have taken to discuss and approve this getting a little embarrassing!

Kind regards,
John Wendt

Senior Soil Fertility Expert
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Email jwendt@ifdc.org

From: John Wendt <JWendt@ifdc.org>
Date: Wednesday, March 2, 2016 at 1:31 PM
To: "Humphreys, Steven <shumphreys@ifdc.org>" <shumphreys@ifdc.org>, "Kempen, Bas" <bas.kempen@wur.nl>
Subject: FW: soil data sharing

Bas, I think that this should be sufficient. I am forwarding it to Steven Humphries, who will be back in the office tomorrow—hopefully this will finalize this odyssey and make it a less cumbersome process in the future.

Kind regards,
John Wendt

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From: "Kempen, Bas" <bas.kempen@wur.nl>
Date: Wednesday, March 2, 2016 at 1:18 PM
To: John Wendt <JWendt@ifdc.org>
Subject: RE: soil data sharing

Thanks John.

Attached a draft letter with the correct reference for Uganda for you to consider.

Kind regards,
Bas

From: Wendt, John <jwendt@ifdc.org> [<mailto:JWendt@ifdc.org>]
Sent: woensdag 2 maart 2016 10:53
To: Kempen, Bas
Subject: FW: soil data sharing

Bas, the below should suffice.

Kind regards,
John Wendt

Senior Soil Fertility Expert
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Tel. (Office) +254 20 863 2720
Fax +254 20 863 2729
Email jwendt@ifdc.org

From: "Slane, David <dslane@ifdc.org>" <DSlane@ifdc.org>
Date: Thursday, February 25, 2016 at 3:32 PM
To: John Wendt <JWendt@ifdc.org>, "Veerkamp, John <jveerkamp@ifdc.org>" <JVeerkamp@ifdc.org>
Subject: RE: soil data sharing

IFDC, Crop Nutrition Laboratories, 2012<< data set>> CATALIST-Uganda Project.

From: Wendt, John <jwendt@ifdc.org>
Sent: Thursday, February 25, 2016 12:17 PM
To: Slane, David <dslane@ifdc.org>; Veerkamp, John <jveerkamp@ifdc.org>
Subject: FW: soil data sharing

David, John,

Can you assist Bas with the information he is requesting? 2 minutes of your time.

Kind regards,
John

From: "Kempen, Bas" <bas.kempen@wur.nl>
Date: Thursday, February 25, 2016 at 8:36 AM
To: John Wendt <JWendt@ifdc.org>
Cc: "Bindraban, Prem <pbindraban@vfrc.org>" <PBindraban@vfrc.org>
Subject: soil data sharing

Hi John,

I am working on a data sharing letter.

How could we acknowledge/cite the three datasets (Burundi, Rwanda, Uganda)?

For Burundi we can use the PAN PNSEB report by Nduwimana et al.

Is there a report available for Rwanda and Uganda as well, or could we acknowledge/cite these for example as

IFDC, <<PARTNER ORGANIZATIONS>>, <<YEAR>>. Soil sample data set.
<<PROJECT>>

If such citation is OK with you, could you please provide me with the partner organizations, sampling year and project for which the Rwanda and Uganda data were collected.

Thanks.

Kind regards,
Bas

From: Wendt, John <jwendt@ifdc.org> [<mailto:JWendt@ifdc.org>]
Sent: donderdag 18 februari 2016 9:10
To: Kempen, Bas
Cc: Bindraban, Prem <pbindraban@vfr.org>
Subject: Re: Rwanda yield data

Bas, apologies for the delay in response.

Our divisional director asked me to help finalize the response to request for data (below)

For the mapping for NEAA we are currently using AfSIS sentinel site nutrient data and some additional legacy data from the Africa Soil Profiles Database that we compiled for the AfSIS project. The IFDC soil sampling data of Uganda, Rwanda and Burundi that were shared with us this year could be a great asset to the mapping exercise, and I would therefore like to inquire if we could be granted permission to use these data for the project for NEAA. The derived products (maps) will likely be made publically available. The sampling data will only be used to generate the maps and will not be distributed outside ISRIC. Furthermore, the sample data can in no way be inferred (spatial location and values) from the derived maps. Ownership will remain with the data provider and all data providers will be properly acknowledged. Should IFDC have similar data for other countries in Africa, we would welcome these as well. Note that this request only concerns the soil data, and not the yield data of the fertilizer trials.

Should you agree to this, we could specify the terms of data use in an official letter, like Prem did a few weeks ago for use of the Rwanda data for the MSc thesis project. We could consider broadening a data sharing agreement to other mapping projects (under the same conditions of use as outlined in the previous paragraph) we carry out at ISRIC such as our SoilGrids initiative that aims to generate continental and global maps of key soil properties. These products are also publically available.

To move this forward quickly, can we have such a request (highlighted in yellow above) in an official letter. Details that should be included in the request should follow the input from Prem:

1.
Do share the data with specific other entities for a specific purpose of use.
3.
Request to be acknowledged the donor institute/person or even co-author the output.
4.
Indicate that the data remains property of the donor.
5.
The data as such (raw data) will not be made publicly available.
6.
Meta data (i.e. the background info like where the data comes from (say a “reference” to the database), but also summary data like the average, number of observations etc etc) can be made available.
7.
Also, any derived product (in other words – output as a result of data processing) does not belong to the donor anymore (according to international rules of the game) and can be made public (unless the raw data can be derived from it (so one cannot say that they subtracted a value 2 from all the points and make the “altered” data available).

Once I get this, we will have Steve sign a release.

On the data request below: Once we get data together, we will share it as a matter of principle, but I still need to get the soil and plant analyses done.

Your description of the proposed work raises some red flags—doing a QUEFTS NPK and then including Zn. One outcome of the omission experiments, validated time and again, is that at least in the Burundi and Rwanda context, looking at zinc in isolation from other commonly missing secondary and micronutrients (particularly S, B and Cu; also Ca and Mg on many soils) will give the misleading result that crops are not responsive to Zn—ie other nutrients limit the Zn response, and do not allow Zn deficiencies to express themselves and thus be evaluated. I’ve seen a lot of work on nutrients in isolation, and I think it has set us back considerably in Africa. It’s important to look at nutrients in a balanced context. Fine with the QUEFTS, but I would strongly advise including a blanket treatment of other nutrients, and applying the micros as coatings—it is an easy process.

I would be more inclined to suggest use of the Burundi data. We did not plant sample there, but we have very robust omission data in maize. Much of our early Rwanda maize work fell apart due to the habit of Rwanda field staff of placing the fertilizer in direct contact with the maize seed, which caused burning from some non-DAP ingredients. So we never got a good omission trial from Rwanda—though once the problem was resolved, we have been able to run other trials that validate Zn response. Those would be from the 2015 season.

I would just caution that a lot of mistakes can be made with Zn application—not including other nutrients, inducing Cu deficiency with Zn (particularly at higher Zn rates)—we had a tough learning curve before we resolved these issues with balanced micronutrient coatings.

Kind regards,
John Wendt

Senior Soil Fertility Expert

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Fax +254 20 863 2729
Email jwendt@ifdc.org

From: "Kempen, Bas" <bas.kempen@wur.nl>
Date: Wednesday, February 17, 2016 at 10:55 AM
To: John Wendt <JWendt@ifdc.org>
Cc: "Bindraban, Prem" <pbindraban@vfr.org> <PBindraban@vfr.org>
Subject: Rwanda yield data

Dear John,

Sorry to bother you again with another request.
As you might know, a grant proposal was granted recently for a project on modelling soil micronutrient availability to a consortium composed of Wageningen University (lead), VFRC, SoilCares and ISRIC (proposal attached FYI). Two PhD candidates will be appointed for this project coming spring. At the moment we have a student doing his MSc thesis in context of the upcoming project. He will work on a spatial application of the QUEFTS model that does not only take into account NPK but also Zn (I think I informed you about this last year when I requested Rwanda soil sample material for additional analyses here in Wageningen. We are receiving this material soon from CropNuts).

I am wondering if we could make use of yield response data of the Rwanda fertilizer trials of the 2015 season for this MSc thesis work, should these data already be available. We would be most interested in the comparison trial data for maize, though omission trial data would be welcome as well. The data will of course be treated confidentially, will not be published and will only be used for this MSc thesis project.

Is there any progress with respect to a letter of agreement for sharing IFDC soil data?

Kind regards,
Bas

Dr. Bas Kempen
ISRIC – World Soil Information

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6700 AJ Wageningen
The Netherlands

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www: www.isric.org

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Steven Humphreys, MBA
Acting Director
IFDC - East and Southern Africa Division
ICIPE Compound
Duduville, Off Thika Road, Kasarani
P.O. Box 30772-00100
Nairobi, Kenya

DATE
March 10, 2016

SUBJECT
Sharing of soil data

YOUR REFERENCE

Request for possible soil data sharing

Dear Mr. Humphreys,

We are contacting you concerning the following soil data sets:

IFDC Burundi soil sample data set, IFDC Rwanda soil sample data set, IFDC
Uganda soil sample data set

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

As you may know, ISRIC - World Soil Information is a not-for-profit foundation
with a mission to serve the international community as custodian and provider of
global soil information. Since 1989 we are accredited as the World Data Centre
for Soils (WDC-Soils), currently as a regular member of the International Council
for Science World Data System (ICSU-WDS). In that capacity we are dealing
directly with long-term soil data stewardship and developing a range of web-
based services. Our activities encompass collecting, storing, screening,
processing and disseminating global soil and terrain information, at various
resolutions, that may be used by the international community to address a
range of global environmental and societal issues.

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
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,

ir H. van den Bosch
Director, ISRIC - World Soil Information

Attachment Letter of agreement on "soil data sharing"

OUR REFERENCE
13ISR0XXX\data

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Letter of agreement on "soil data sharing"

Name of data sets:

IFDC Burundi soil nutrient sample data set
IFDC Rwanda soil nutrient sample data set
IFDC Uganda soil nutrient sample data set

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

1. It is acknowledged/cited as¹:

Burundi:

Nduwimana, O., Nzohabonayo, Z., Hicintuka, C., Nibasumba, M., 2013.
Cartographie de la fertilité des sols du Burundi et des besoins des principales cultures vivrières en éléments nutritifs. Ministère de l'Agriculture et de l'Élevage, Institute des Sciences Agronomiques du Burundi (ISABU), International Fertilizer Development Center (IFDC), Bujumbura.

Rwanda:

IFDC, RAB (2014). Soil nutrient sample data set. CATALIST-2 project.

Uganda:

IFDC, Crop Nutrition Laboratories (2012). Soil nutrient sample data set. CATALIST-Uganda project.

2. The datasets remain property of the data provider, here IFDC – East and Southern Africa Division.
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 products (output as a result of data processing), such as soil property maps and scientific visualizations, to the benefit of the international user community under the condition that the raw data cannot be derived or re-engineered from these.
5. Any derived products generated under case 4 may be distributed freely in accord with ISRIC's '[Data use and citation](#)' clauses.

¹ This should include: contributing investigators/authors; year of publication; paper/product title; publisher; publisher's location. Where available on-line, the URL resp. DOI and access date should be provided.

Name: _____
Organisation: _____
Address: _____

Email: _____ Website: _____

Signature: _____ Date: _____