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Canada

Canadian Forest
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18 May 2016

Dr. Tom Hengl
ISRIC World Soil Information Team
Africa Soil Information Services
P.O. Box 353
6700 AJ Wageningen
The Netherlands

Dear Dr. Hengl,

This is a Material Transfer Agreement for the following:
The Canadian Upland Forest Carbon Database (May 2016 version)

This Material is released to you, ISRIC World Soil Information Team, under the following conditions:

1. The Material shall be integrated with data from other sources and used to produce SoilGrids spatial predictions of standard soil properties and soil classes at resolutions of 250 m or finer.
2. You shall not name, or apply for any patent or other form of protection or registration for the Material.
3. The Material is provided without warranty, express or implied, of fitness for any particular purpose.
4. Natural Resources Canada, Canadian Forest Service will have no liability in connection with the Material or any use thereof.
5. Natural Resources Canada, Canadian Forest Service may supply the Material to other parties for the same purpose.
6. You shall not commercialize the Material without executing a written agreement with Natural Resources Canada, Canadian Forest Service.
7. All your employees, agents and affiliates who take part in the activities with the Material shall be made to abide by the terms hereof.

Canada

8. This Agreement shall be interpreted in accordance with the laws in force in the province of Alberta, Canada.
9. The Canadian Forest Service must be properly credited for providing the Material. Where Material from the Canadian Upland Forest Carbon Database (May 2016 version) is used, the following citation shall acknowledge Canadian Forest Service for providing the Material:
Shaw, C.H.; Hilger, A.B.; Kurz, W.A. n.d. Canadian Upland Forest Carbon Database (May 2016 version). Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, AB.

If you find these terms and conditions acceptable, please indicate your agreement to these terms and conditions by dating and signing both copies of this letter of agreement. Please return one copy of this letter to Natural Resources Canada, Canadian Forest Service and retain the other copy of this letter for your files. The Material will be forwarded to you upon receipt of the signed copy.



Signature
Mike Norton, Director General
Northern Forestry Centre
Canadian Forest Service
Natural Resources Canada

19 May 2016

Date

ACKNOWLEDGED AND ACCEPTED FOR THE ORGANIZATION BY:



Signature

23.05.2016

Date

ISRIC - WORLD SOIL INFO

Title

From: [Shaw, Cindy \(NRCan/RNCan\)](#)
To: [Batjes, Niels](#)
Cc: ["eloi.ribeiro@isric.org"](mailto:'eloi.ribeiro@isric.org')
Subject: RE: Canadian Upland Forest Carbon Database
Date: 23-aug-2016 19:04:53

Hello Niels,

I indicated in the email accompanying the MTF that we had yet to confirm data sharing agreements with a few providers. We have a few location related issues to work through for data provided by the NFI, so feel free to process all records except those provided by the NFI (as I recall a little over 200 plots). At a later date you will probably be able to process these as well, once we've got all the issues resolved with the NFI. A large amount of forest data (not just soil information) is collected at the NFI plots and the initiative is a collaboration between federal and provincial governments, so in many cases for public release the provinces required that the plot locations be fuzzified. It may be that the DB we publically release will contain the fuzzified locations. However, it may also be possible for you to make your own request to the NFI for themore accurate plot locations for your mapping work, but you would not be able to release to the public the more accurate plot location information. We can follow up on that later on.

I was looking at your template and see that you include soil classification for other systems (our DB uses the Canadian System). Do you have the ability to translate Canadian Taxonomy to US Soil Taxonomy, and do you also translate the Canadian horizon designations to US designations? I am just wondering If you have a tool for this, as we have researchers etc. in the US that are interested in the database and if you could provide the US taxonomic classification and horizon designations back to us we would be grateful.

In addition, I have just noticed that the MTF citation needs to be corrected to read "Canadian Upland Forest Soil Carbon Database" rather than "Canadian Upland Forest Carbon Database" .

We are now embarking on compiling profile data for organic soils for our peatland carbon modelling project so you may be interested in receiving that database once it is compiled. It will likely be completed a year or so from now, and will not contain as many records as in the upland DB.

Cheers,
Cindy

From: Batjes, Niels [mailto:niels.batjes@wur.nl]
Sent: August-22-16 7:39 AM
To: Shaw, Cindy (NRCan/RNCan)
Cc: 'eloi.ribeiro@isric.org'
Subject: Canadian Upland Forest Carbon Database

Dear Cindy,

Thanks again for the permission of the Canadian Forest Service, Natural Resources Canada, to use the "Canadian Upland Forest Carbon Database" for SoilGrids applications (cf. Material Transfer Agreement dated 18 May 2016), which you facilitated greatly.

For good order and clarification, I have a question about item 1 of the MTA. Are we

correct in our understanding that the MTA implies that ISRIC may also process the "Canadian Upland Forest Carbon Database" into [WoSIS](#) (World Soil Information Service), our central database server?

Ultimately, successive 'snapshots' of standardized/harmonized data served from WoSIS will be made freely accessible to the international community, in accord with the terms/licences specified by the original data providers (see [here](#)).

Thanks.

Best regards,

Niels

Niels H. Batjes, Senior Soil Scientist / Head of WDC-Soils
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