

Temporary Dataset Download: Topsoil physical properties for Europe (based on LUCAS topsoil data)

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Name of User	Fatemeh ahmadi
Organization	Tehran university
Type of Organization	University
-- Other	
E-mail	fatemehahmadiparnian@gmail.com
Purpose	The requested dataset will be used for an academic course project on surface soil moisture estimation over the REMEDHUS network (Spain) using Sentinel-1 SAR data and machine learning models. The soil physical properties will be used as predictor variables.
Notes	

Notifications:

1. The data provided has been prepared for use by internal research activities in the Joint Research Centre (JRC, Ispra) in the context of developing soil property maps for the GlobalSoilMap.net project.
2. The data were developed for research purposes of the JRC (European Commission). The JRC does not accept any liability whatsoever for any error, missing data or omission in the data, or for any loss or damage arising from its use. The JRC agrees to provide the data free of charge but is not bound to justify the content and values contained in the databases.
3. The permission to use the data specified above is granted on condition that, under NO CIRCUMSTANCES are these data passed to third parties. They can be used for any purpose, including commercial gain.
4. The user agrees to:
 - a) Make proper reference to the source of the data when disseminating the results to which this agreement relates;
 - b) Participate in the verification of the data (e.g. by noting and reporting any errors or omissions discovered to the JRC).

References:

Ballabio C., Panagos P., Montanarella L. [Mapping topsoil physical properties at European scale using the LUCAS database](#) (2016) Geoderma, 261 , pp. 110-123.