

## **Temporary Dataset Download: Maps of heavy metals in the soils of the EU, based on LUCAS 2009 HM data**

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Name of User	Anila Nuhiji
Organization	University of Tetovo
Type of Organization	University
-- Other	
E-mail	a.nuhiji241977@unite.edu.mk
Purpose	The requested dataset will be used for academic research within a Master's thesis focused on developing and evaluating advanced Deep Learning models for soil pollution assessment. The data will support spatial analysis, model training, validation, and comparative evaluation of machine learning and deep learning approaches for environmental monitoring purposes.
Notes	

### Notifications:

1. The data provided has been prepared for use by internal research activities in European Soil Data Centre (Sustainable Resources Directorate, JRC Ispra) i
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 data/maps are results of interpolation and they should be used with care. It is not recommended to use this dataset for qualifying the status of a point (parcel).
5. The user agrees to:
  - Make proper reference to the source of the data when disseminating the results to which this agreement relates;
  - Participate in the verification of the data (e.g. by noting and reporting any errors or omissions discovered to the JRC).

### References:

"Maps of heavy metals in the soils of the European Union and proposed priority areas for detailed assessment" by Gergely Tóth, Tamás Hermann, Gábor Szatmári and László Pásztor, in Science of The Total Environment, Volume 565, 15 September 2016, Pages 1054-1062.