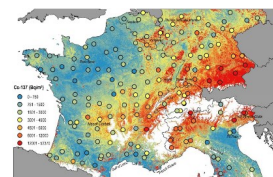


### **Plutonium and Cesium inventories in European topsoils**

The two radionuclides (cesium, plutonium) were released during military nuclear tests, particularly in the 1960s, but cesium also during the Chernobyl accident in 1986. A group of researchers used 160 samples from a European LUCAS topsoil database (2009) from undisturbed soils to develop the Cs and Pu footprint in European soils. The produced maps help to understand the magnitude of the fallout sources, establish a baseline in case of future radionuclide fallout and define a baseline for geomorphological reconstructions of soil redistribution due to soil erosion processes. The dataset includes the Baseline Caesium-137 topsoil (0-20cm), Baseline Plutonium-239+240 topsoil, the Chernobyl-derived 137Cs and Global-derived 137Cs. Details on how this dataset has been developed can be found in the relevant [publication](#). Download the data:



<https://esdac.jrc.ec.europa.eu/themes/plutonium-and-cesium-inventories-european-topsoils>

### **Joint PhD vacancy in JRC/Soil team and LSCE/University Paris Saclay: Carbon and nutrient balances as affected by soil erosion in Europe**

Overall aim of the PhD is to improve the advanced numerical models and large datasets already developed by the host institutions and assess the impacts of erosion from intense rainfall on the nutrient balances of agricultural soils in Europe. Simulations will be performed for the recent past and future climate scenarios. During the PhD, the candidate will extend the Carbon Erosion DYNAMics (CE-DYNAM) model with the nitrogen and phosphorus cycles and perform model inter-comparison exercises. **Deadline for applications** is 31.7.2020.



<https://esdac.jrc.ec.europa.eu/vacancies>

### **Caring for soil is caring for life**

“Caring for Soil is Caring for Life” is the title of the mission proposed by the [Soil Health and Food Mission Board](#). The mission’s goal is to “**ensure that 75% of soils are healthy by 2030** and are able to provide essential ecosystem services”, such as the provision of food and other biomass, supporting biodiversity, storing and regulating the flow of water, or mitigating the effects of climate change. The target corresponds to a 100% increase of healthy soils against the current baseline. This interim report sets out the vision and the blueprint to reach this ambition through a combination of research and innovation, training and advice, as well as the demonstration of good practices for soil management using “Living labs” and “Lighthouses”.



<https://op.europa.eu/en/web/eu-law-and-publications/publication-detail/-/publication/32d5d312-b689-11ea-bb7a-01aa75ed71a1>

### **Call for proposals for action grants to finance Preparatory projects under the LIFE sub-programmes for Environment and Climate change**

Deadline **10.9.2020**

<https://ec.europa.eu/easme/en/section/life/2020-call-proposals-preparatory-projects>

**Climate action sub-programme—Deadline 6.10.2020**

<https://ec.europa.eu/easme/en/section/life/calls-proposals#inline-nav-3>



#### **More Details**

**Download the ESDAC Newsletter:** [PDF Format](#). **Feedback:** [panos.panagos@ec.europa.eu](mailto:panos.panagos@ec.europa.eu)

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