

ABOUT Soil Description DevTool

The **Soil Description DevTool** provides all files needed to create an Open Data Kit (ODK) form. Once uploaded and deployed, the form can be used for full soil description and assessment according to the United Nations' Food and Agriculture Organization (FAO) [Guidelines for Soil Description](#).

This tool was created by [ISRIC – World Soil Information](#).

ISRIC openly shares this tool under the Creative Commons license [CC by 4.0](#). The tool was originally produced with the support of a European Union Horizon 2020-funded project, InnoVar (Next-generation variety testing for improved cropping on European farmland) with grant agreement ID 818144.

ODK is a suite of open-source tools that help organizations collect data and manage data gathering. It is licensed under [CC by 4.0](#). For more information: <https://docs.getodk.org>. To upload, deploy and use this tool as ODK form knowledge about how ODK system works is required. The **Soil Description DevTool** was tested using [ODK Central v1.3.3](#).

Read the [FAO 2006 Guidelines for Soil Description](#) terms of use here:
<https://www.fao.org/3/a0541e/a0541e.pdf>

The **Soil Description DevTool** is an evolving resource which will adapt to future changes in soil ontologies and user experiences.

REQUIRED CITATION:

Maria Ruiperez Gonzalez and Jelle Janssen (2022). Soil Description DevTool: an ODK-based application. ISRIC – World Soil Information. <https://doi.org/10.17027/isric-2023-sddt-v01>

ACKNOWLEDGMENTS:

Stephan Mantel, Niels Batjes and Emily Toner.