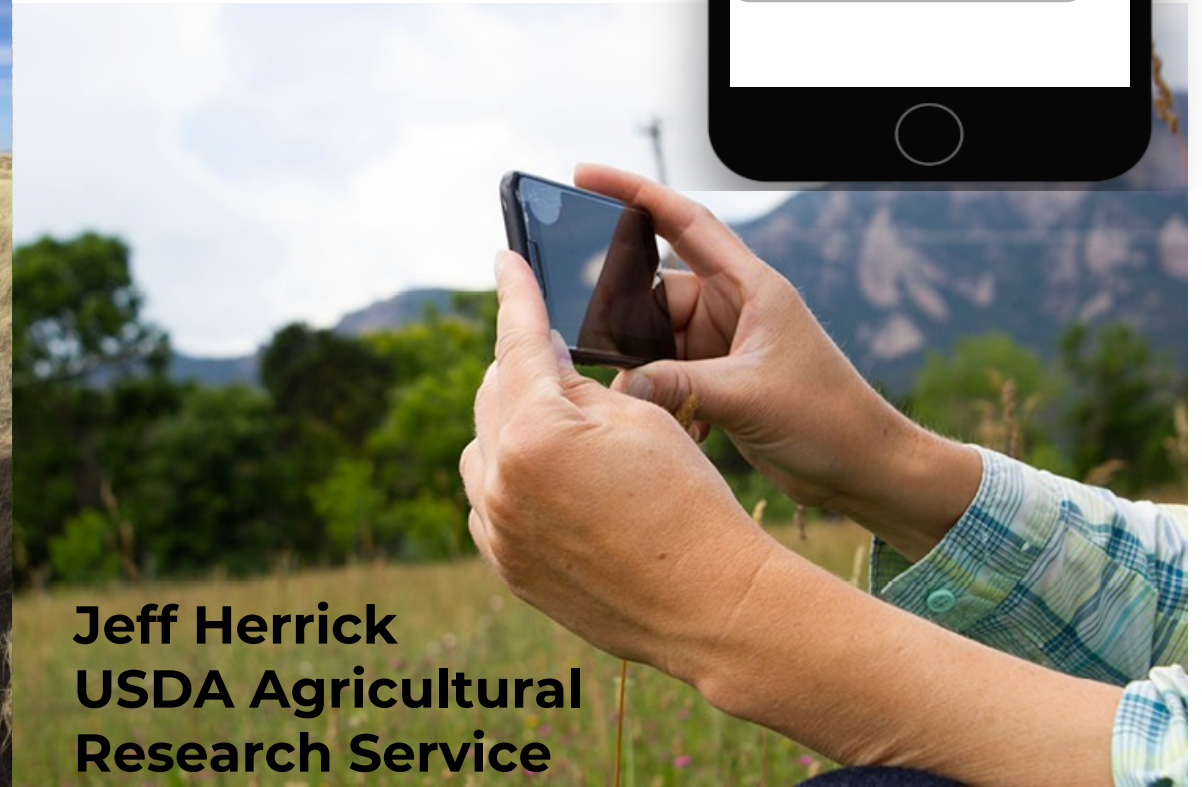


LandPKS Mobile App: overview, CBP and WOCAT

Download LandPKS for free to:

- ▶ **Identify** your soil to improve estimates of carbon sequestration potential and benefits
- ▶ **Monitor** soil health and vegetation cover to demonstrate improvements in land health



Jeff Herrick
USDA Agricultural
Research Service





LandPKS - Knowledge for Sustainable Land Management In Y...



Watch later



Share



MORE VIDEOS



0:01 / 2:23

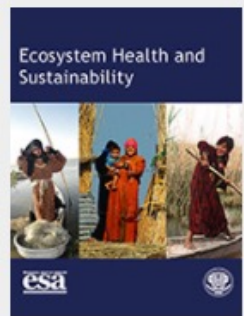


YouTube





1. **Download & link to a gmail account (same as other apps).**
Options: in Settings change units (English/metric), language (English/Spanish/ French/Swahili), and soil color reference (Yellow post-it).
2. **Access soil information:** open map at bottom of screen & tap on a location
3. **Determine the type of soil where you are**
 1. Create a plot (+)
 2. “Data Input” tab: determine your Soil Texture and Color
 3. Do this for a few depths, if you can
 4. “Report” tab: in SoilID learn the name of your soil (tap “Synchronize”)
4. Explore other functions, like observing the condition of your soil in the “SoilHealth” input section.
5. Get questions? Click on the “?” in each screen



Ecosystem Health and Sustainability

Volume 2, 2016 - Issue 3

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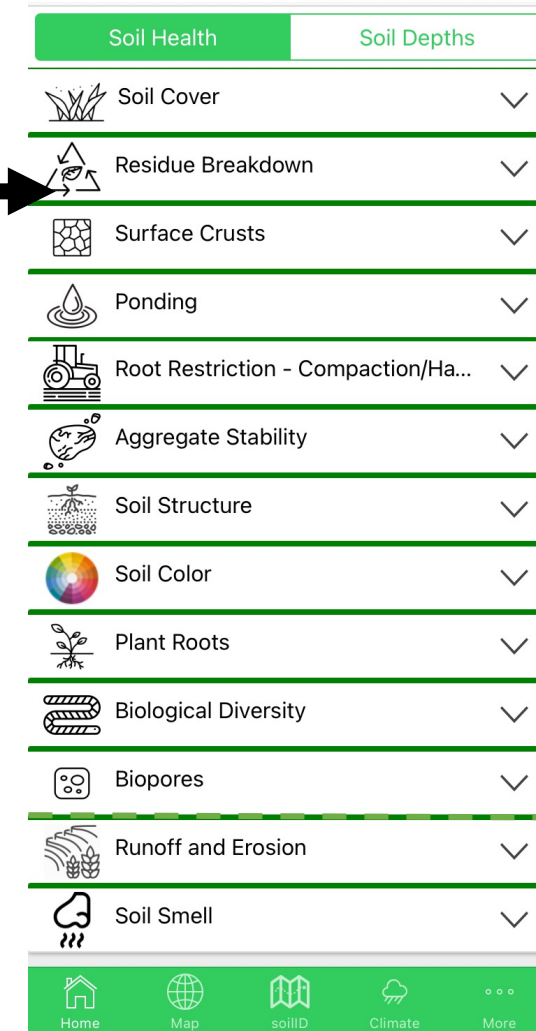
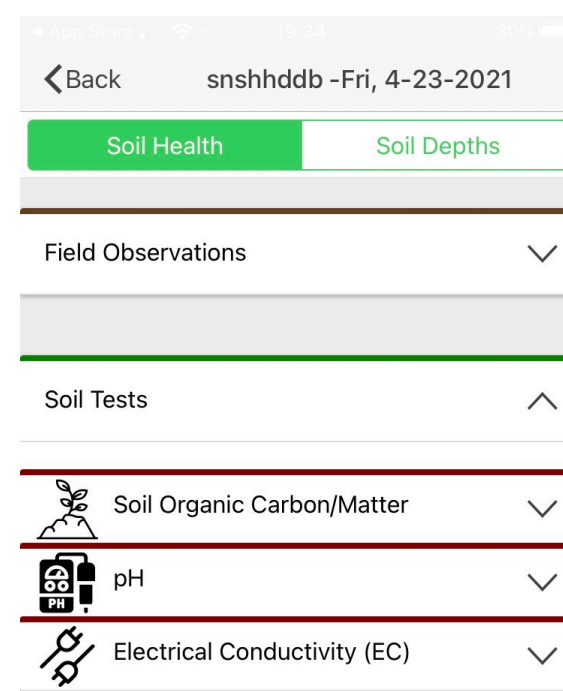
International Collaborative Studies

The land-potential knowledge system (landpks): mobile apps and collaboration for optimizing climate change investments

Jeffrey E. Herrick , Adam Beh, Edmundo Barrios, Ioana Bouvier, Marina Coetzee, David Dent, ...show all

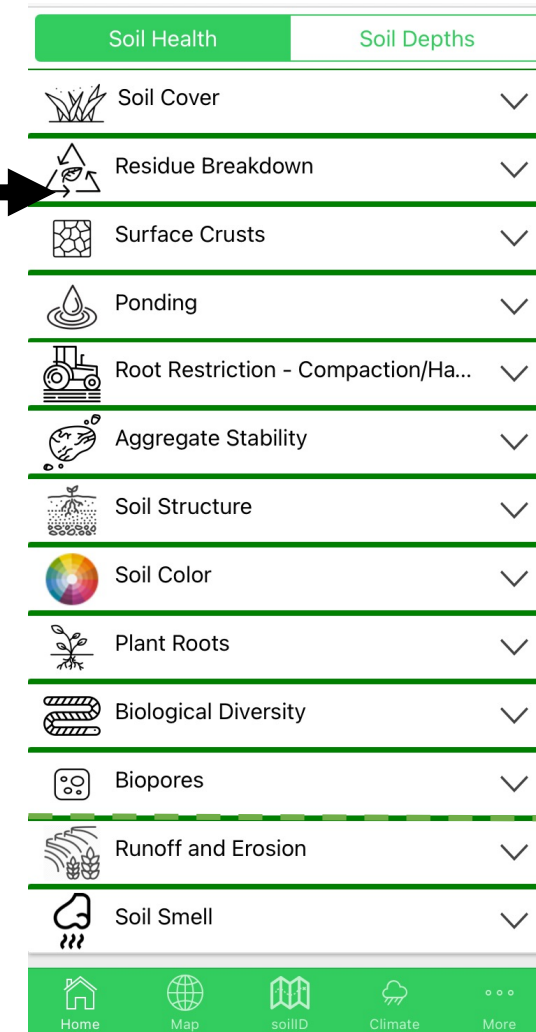
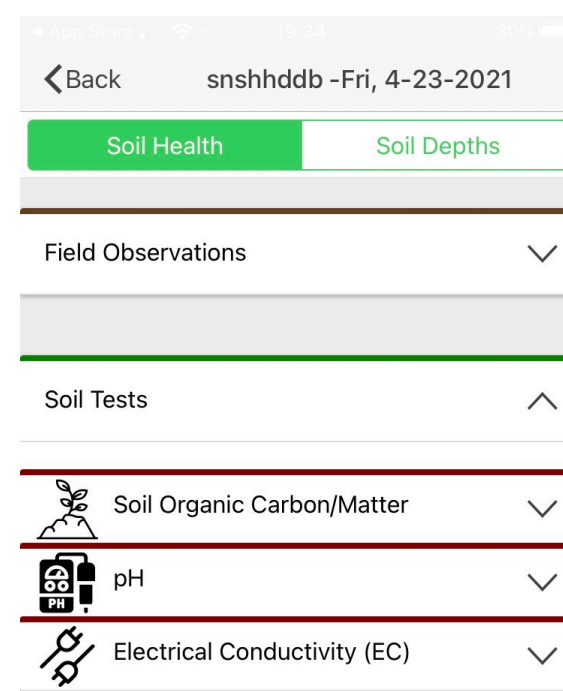
Carbon Benefits Project

- LandPKS allows you to:
 - Determine your soil texture and identify your soil.
 - Determine soil color, which is closely related to soil carbon with the phone camera + a “post-it” note.
 - Directly record the SOIL HEALTH benefits of carbon.
 - Keep records of soil carbon in the soil health section.

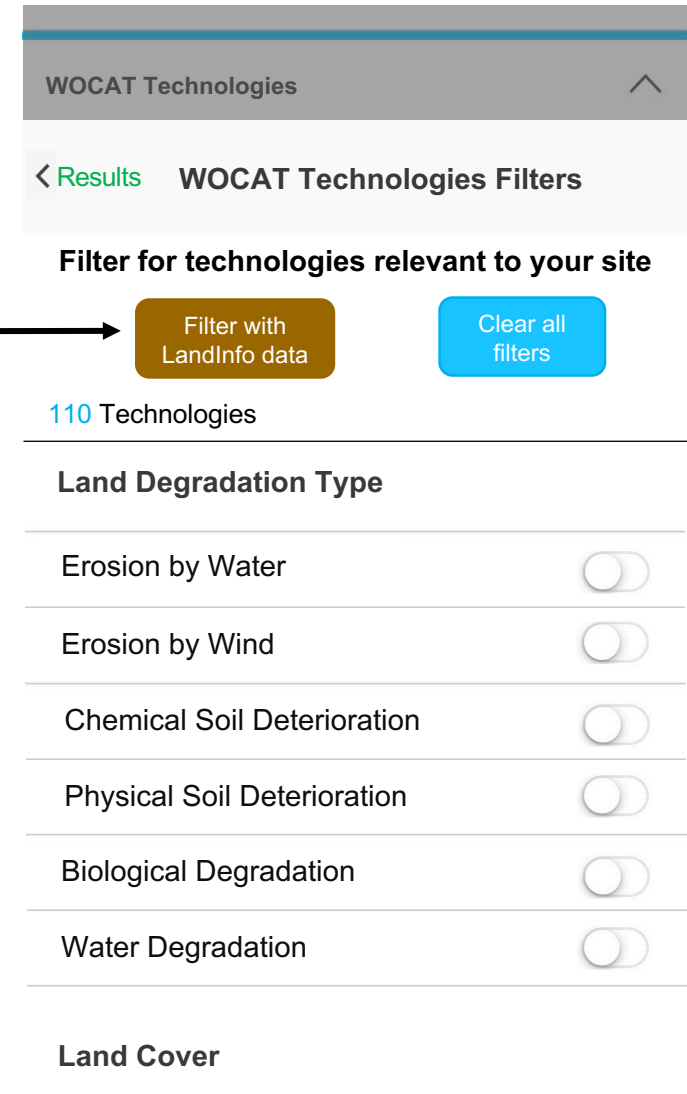
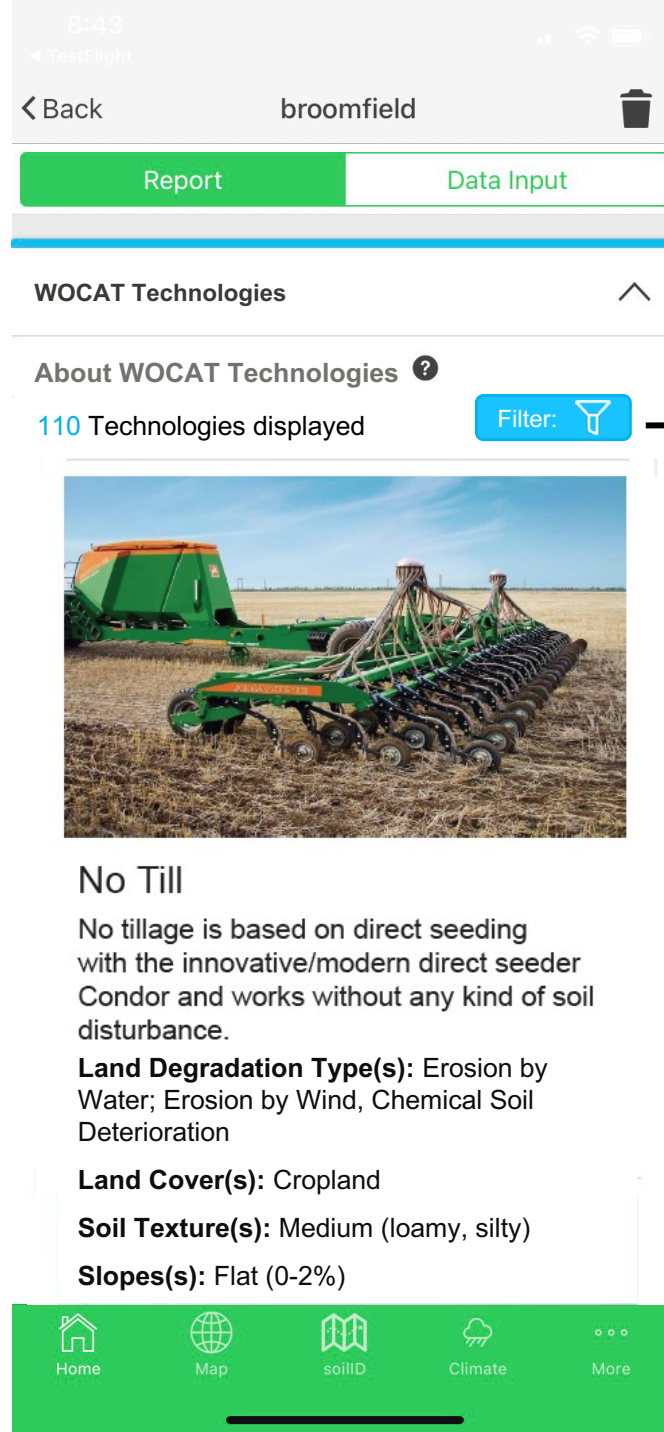


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 - Directly record the SOIL HEALTH benefits of carbon.
 - Keep records of soil carbon in the soil health section.
- Your soil’s carbon sequestration potential, and the benefits from storing carbon, depend on soil type.
- Loamy soils store more carbon than sandy soils
- Sandy soils are more susceptible to drought than clay soils, helping with drought, and carbon will increase the water storage capacity of sandy soils.
- Soil maps are not accurate enough in most regions to determine soil at field scales.



WOCAT Access: Coming late 2021!



LandPKS Global Use



- Over 24,000 plots in many countries
- Wide diversity of uses
- We don't have the complete list – each group/individual uses LandPKS independently

- **Global:** USAID Feed the Future + World Bank to document soils for project Monitoring & Evaluation
- **Ghana:** soil information for improving agronomic recommendations for cocoa
- **Peru:** rangeland management
- **Kenya:** rangeland restoration & monitoring
- **United states:** rangeland management, citizen backyard “carbon farming”, student projects
- **Ethiopia & Tanzania:** used nationally for land use planning (LandPKS automatically determines Land Capability Class).

THANKS TO OUR PARTNERS:



Agricultural
Research
Service



United States
Department of
Agriculture

Natural Resources Conservation Service



USAID
FROM THE AMERICAN PEOPLE

LandPKS Mobile App



For additional resources, including step-by-step instructional videos, and answers to frequently asked questions, visit our website: LandPotential.org

Contact us at contact@landpotential.org



Also click on the question mark in the app for help on nearly every screen.

