

# 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







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



Watch later



Share

<https://youtu.be/QZAZBdSuitA>

MORE VIDEOS



0:01 / 2:23



YouTube





<https://landpotential.org/knowledge/use-landpks-to-learn-about-your-soil-video/>

1. Download & link to a gmail account (same as other apps).  
Options: in Settings change units (English/metric), language (English/Spanish), 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 "?"s in each screen





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1,104

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Altmetric



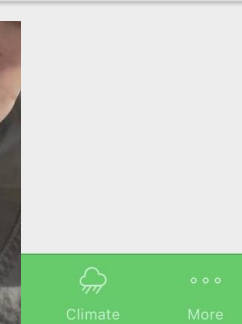
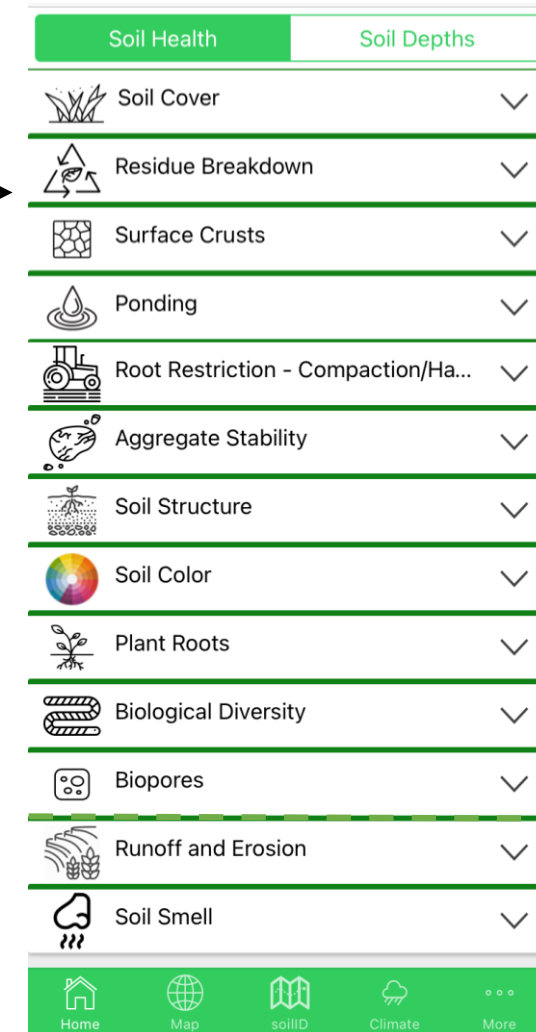
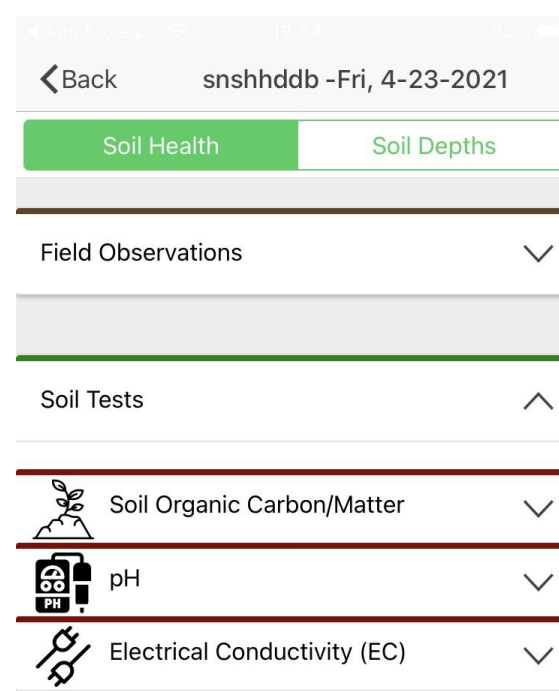
International Collaborative Studies

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

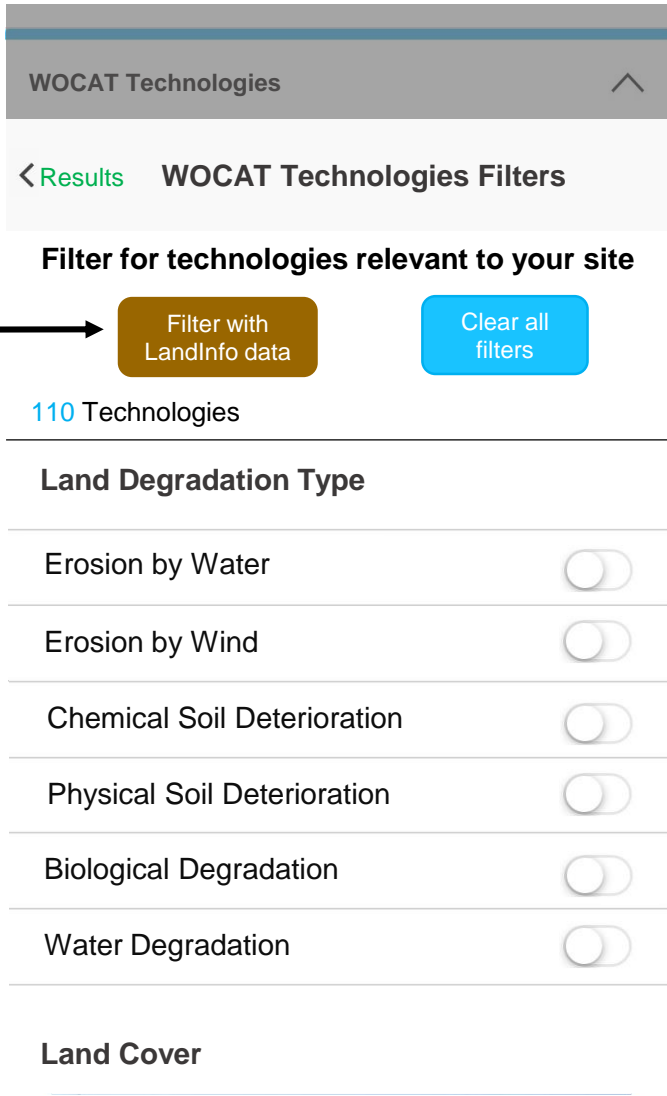
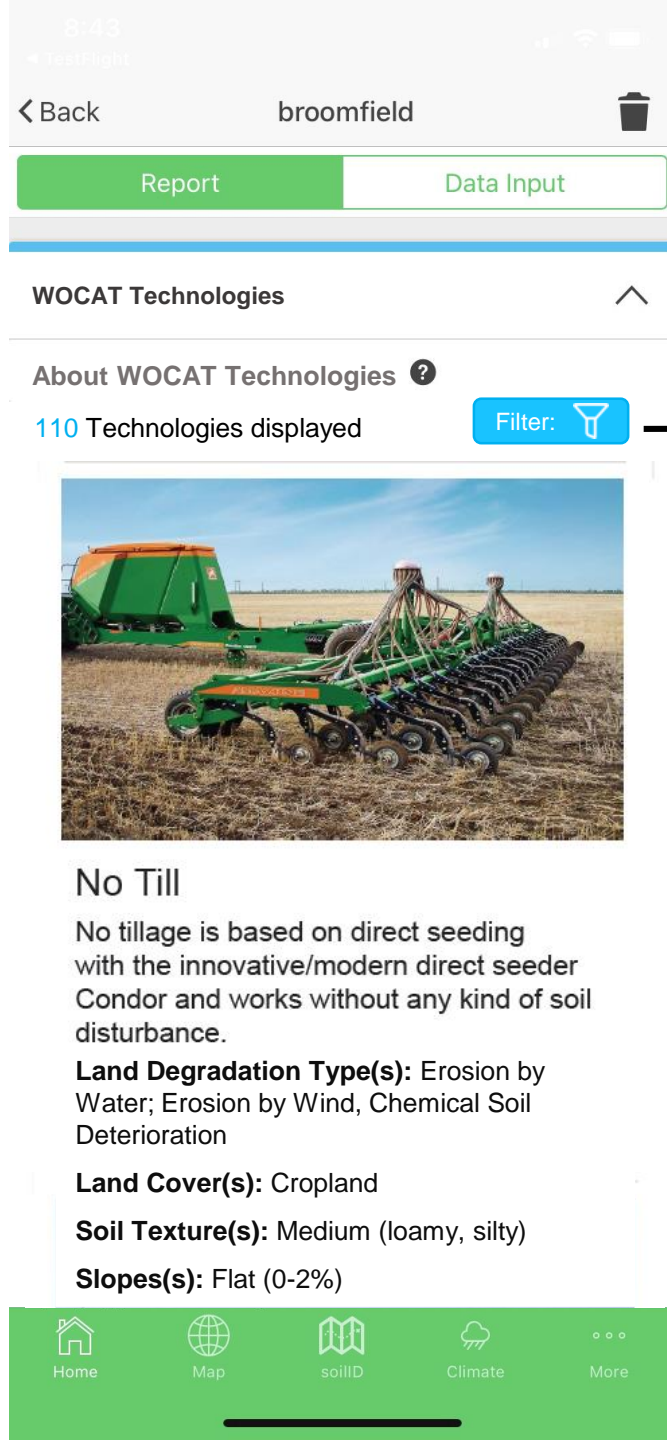
Jeffrey E. Herrick , Adam Beh, Edmundo Barrios, Ioana Bouvier, Marina Coetzee, David Dent, ...show all

# Carbon Benefits Project

- 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.
- 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.



# WOCAT Access: Coming soon!





# 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).

# LandPKS Mobile App



For additional resources, including step-by-step instructional videos, and answers to frequently asked questions, visit our website: [LandPotential.org](http://LandPotential.org)

Contact us at [contact@landpotential.org](mailto:contact@landpotential.org)



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

