Welcome to our webinar on "How to Measure Soil Health"

In our upcoming webinar, we delve into effective methods for evaluating soil health, a cornerstone of sustainable agriculture and environmental conservation. Our session is designed to present the latest scientific findings and essential knowledge for identifying crucial soil health indicators.

We are excited to feature two distinguished scientists in this field. Dr. Cristine Morgan from the Soil Health Institute will shed light on a select set of cost-effective and responsive indicators for soil health assessment. Meanwhile, Dr. Iêda de Carvalho Mendes from Embrapa Cerrados will share insights from Brazil's large-scale soil health evaluations, focusing on the role of soil enzymes.

Join us as we uncover the secrets beneath our feet and learn how to measure what truly matters for the Earth's future!

2nd May 5 PM EDT, 6 PM Brasilia, 11 PM Germany, 7 AM Sydney (3rd May)

Speakers

Cristine Morgan, Chief Scientific Officer at Soil health Institute

Cristine earned her M.S. and Ph.D. in Soil Science from the University of Wisconsin-Madison, Soil Science Department. She was then a professor of Soil Science at Texas A&M University in College Station, Texas, where she was recognized for outstanding collaboration, teaching, research, and mentoring. Her emphasis was in soil hydrology, pedometrics, and global soil security. She joined the Soil Health Institute in 2019 and is responsible for establishing research priorities to advance soil health and developing the scientific direction, strategy and implementation for soil health research programs.

Iêda de Carvalho Mendes, Researcher at Embrapa Cerrados

Iêda is an accomplished professional with a degree in Agronomy from the University of Brasília and a Ph.D. in Soil Science from Oregon State University. Since joining Embrapa (Brazilian Agricultural Research Institute) in 1989, she has been actively involved in research at Embrapa Cerrados in Brasília, Distrito

Federal, Brazil. In 1998, Iêda initiated groundbreaking work in the use of bioindicators for assessing soil health in the Brazilian Cerrados Oxisols. Her team's efforts culminated in the 2020 launch of SoilBio, a significant technological advancement in soil bioanalysis. Additionally, since 2019, Iêda has been instrumental in training commercial soil analysis laboratories in conducting individual assays to measure soil enzyme activities.

Discussant

Beata Madari, an agronomist with a PhD in Soil Science from Szent István University, Hungary, has a rich background in soil science research. She studied at Purdue University, USA, and worked at the Embrapa as a research scientist. Since 2005, she has been with Embrapa's Rice and Beans research center and teaches post-graduate Agronomy at the Federal University of Goiás. Beata led Embrapa's research on greenhouse gas emissions in grain production and is involved in climate change research management. She focuses on carbon and nitrogen cycling in tropical soils, soil carbon sequestration, and GHG emission. Madari has worked on various soil carbon determination methods and contributed to the IPCC and UN initiatives. She is member of the Scientific and Technical Committee of the 4 per 1000 Initiative.