



Meeting 26 March 2020



Carbon drawdown by farmers as positive climate actions

Discussions on simple structures for our common use

Presentation by

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Content

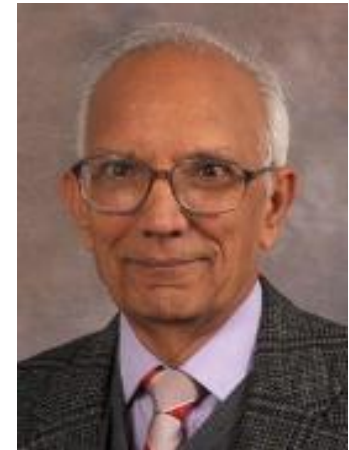
- The question is: What future do we want?
- Research shows the big potential for carbon drawdown by farmers as positive climate actions
- Practices that enhance carbon drawdown
- “Soilopedia”™
 - A common platform for ALGOA, Eco Regions and others
 - A web of transformative networks
 - Networks of “Farmers Universities”
 - This is what we do together

The question is: What future do we want? Ref. Dr. Rattan Lal



THE OHIO STATE UNIVERSITY

Carbon Management and Sequestration Center

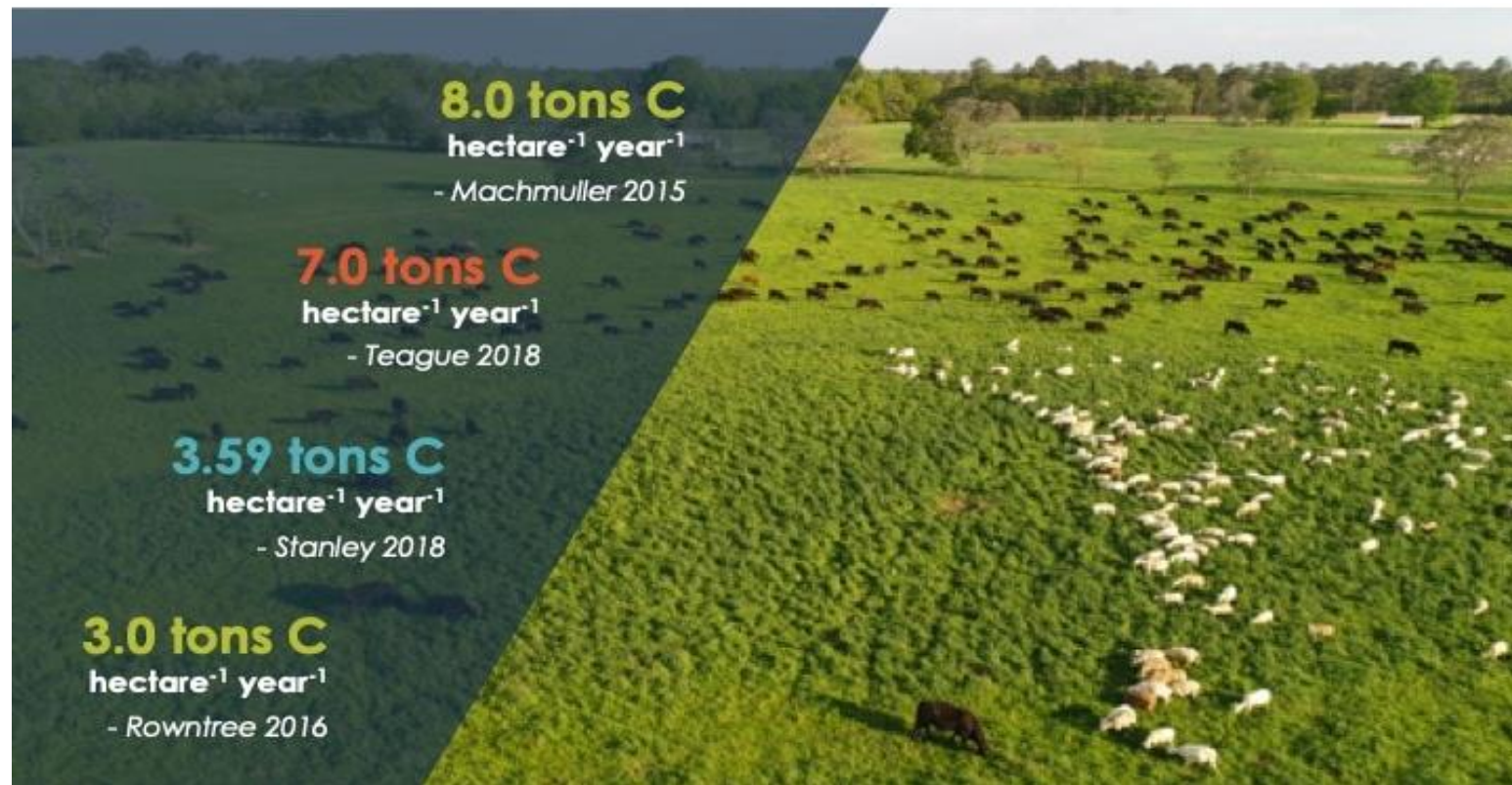


Prof. Rattan Lal, Professor of Soil Science at the Ohio State University, and Chair of UNU-FLORES Advisory Committee, named by Thomson Reuters in its [report of the World's Most Influential Scientific Minds 2014](#).

Research show big potential for carbon drawdown and storage

Best practice farmers like Brown's Ranch show even bigger gains

"Researchers [...] show that when you switch to Holistic Management, or Adaptive Multi-Paddock (AMP) Grazing as some call it in the literature, you can sequester 3 to 8 additional tons of carbon per hectare per year."



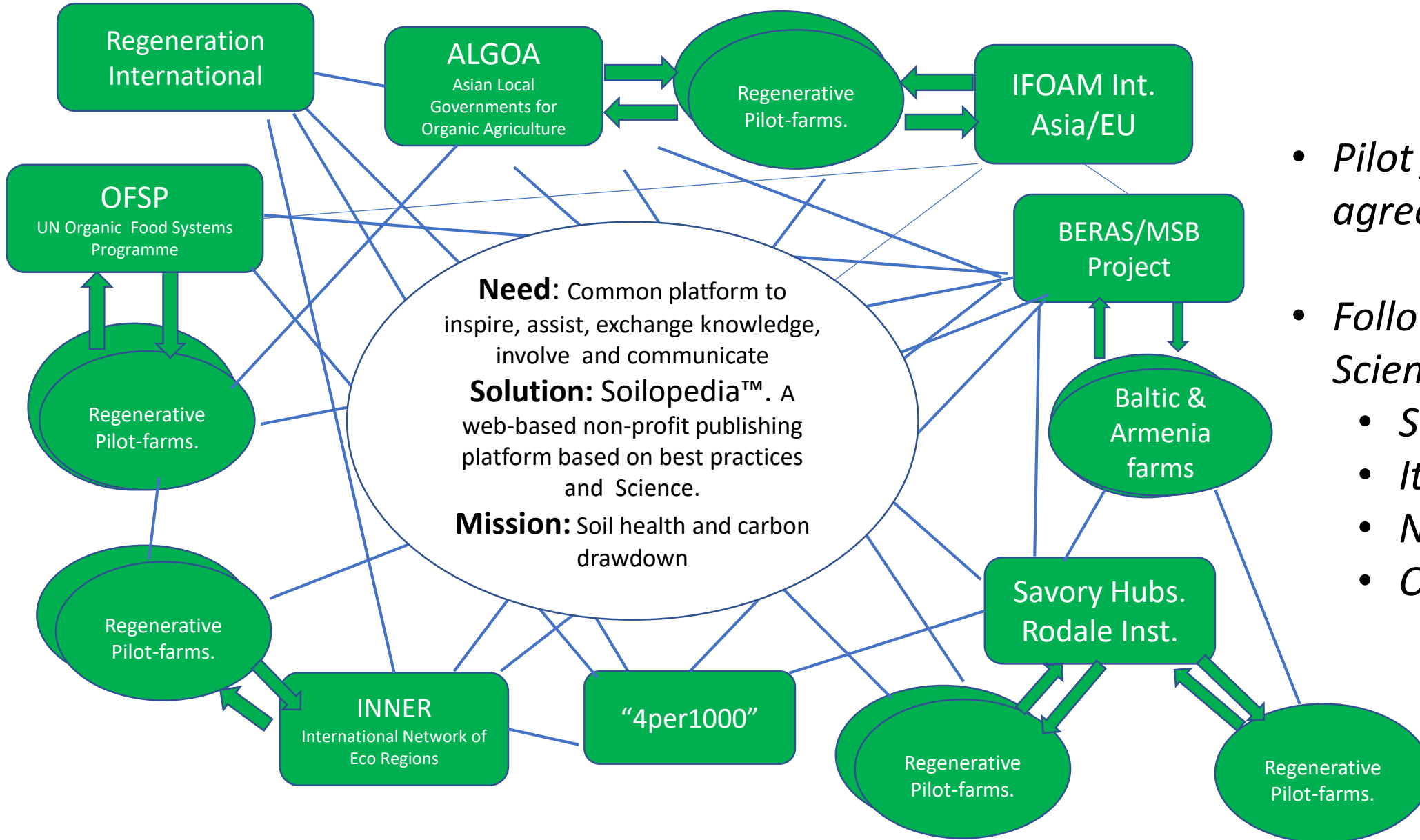
Practices that enhance soil health and carbon drawdown

Well documented what works from practicing farmers, Regeneration International, Savory Institute, Rodale Institute, BERAS, Ohio State University, Michigan State University, BERAS and many more. Some common guidelines we could work with:

- No or reduced till – “the non disturbance principle”
- Always keep soil covered
- Integrate grazing animals in a ration system
- High plant diversity, covercrops and crop rotation
- Organic bio-stimulants. No chemicals
- Functional biodiversity at farm level and in landscapes (Eco Regions)

Emerging from the new understanding of how soil life is building structure and fertility with its symbiotic relations such as between plant roots and mycorrhizal fungi.

A web of transformative networks



- *Pilot farms 5-10 years agreements*
- *Follow research by Scientific Institutions*
 - *South Korea*
 - *Italy*
 - *Norway*
 - *Other countries*

«Soilopedia»™

Building a common platform for ALGOA, Eco Regions and others sharing practice, concepts, knowledge base and networks for the restoration of soils health **and for optimal sequestration of carbon in the soil as positive climate actions by farmers**

Networks of «Farmers Universities»

As self regenerating initiatives in each Eco Region and local areas(municipalities) of ALGOA



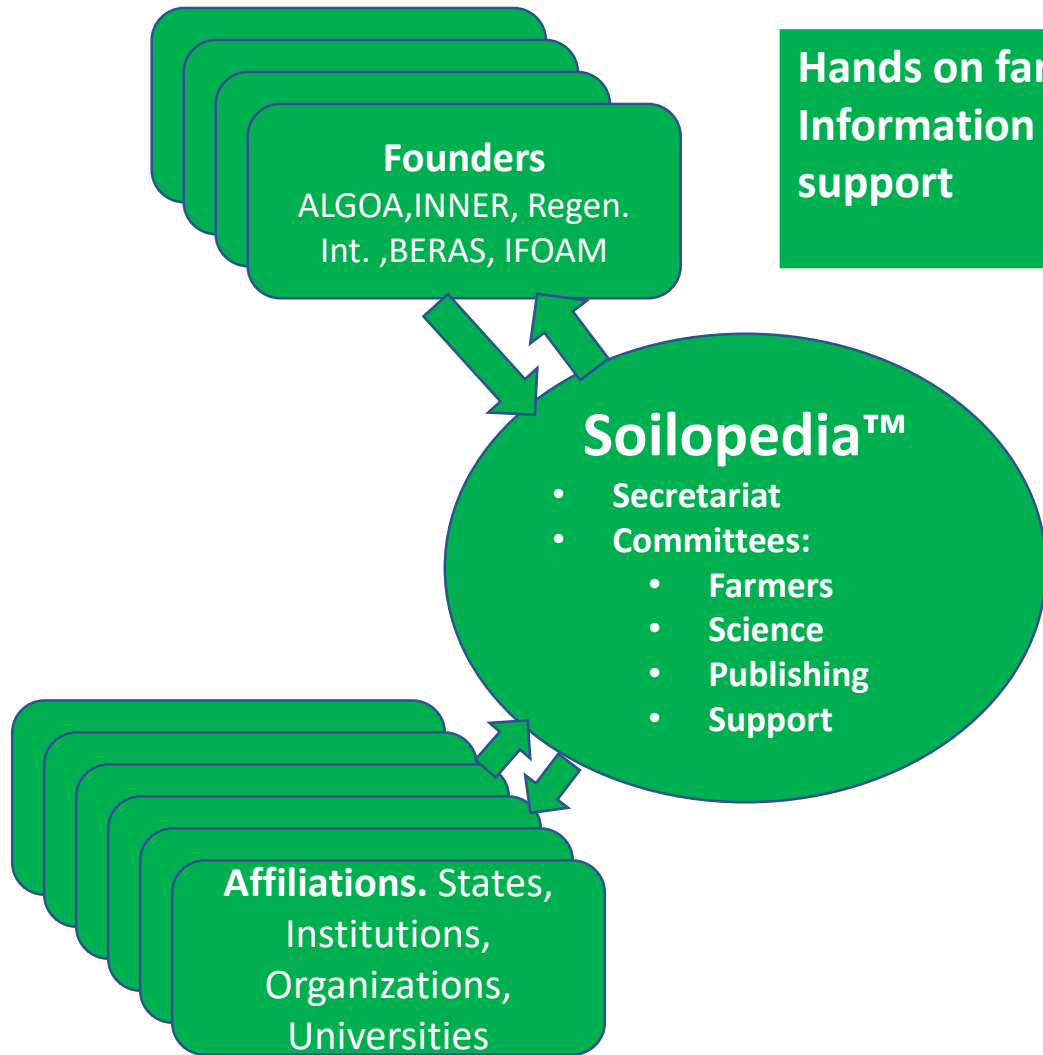
Estimating soil carbon. Rapid Incineration Field Test (RIFT), Albert Ackhurst, Raymond Auerbach, Josua Louw, Nelson Mandela University, George, South Africa. From chapter 17 in the book « Organic Food Systems – Meeting the Needs of Southern Africa»

In each Eco Region and areas for local governments in ALGOA we could invite the building up of a «Farmers University» for the community itself to be more involved according to their own needs

New developments like this could also attract young people engaging in farming and food activities – ref ALGOA Youth Forum

We should approach IFOAM-Organics International related to their Organic Academy for cooperation and Regeneration International

This is what we do together



Hands on farmer Information and support	Regenerative farm examples and “Farmers University”	News blog	Science paper archive
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Sources of support

- *State , regions and municipalities, sponsorship/project support*
- *Private sector donations*
- *EU/World Economy Forum/Other R&D institutes*

No income from sale of data to commercial 3d. party

... and we can share the actions

