



CIRCA

Coordination of International  
Research Cooperation on soil  
Carbon Sequestration in Agriculture



This project has received funding from the **European Union's Horizon 2020** research and innovation programme under grant agreement No **774378**



- CIRCASA has **22 partners** including the research secretariats of **4p1000**, **GRA** and **FACCE-JPI**
- Together with these initiatives and with CCAFS-CGIAR, it has direct outreach to a total of **82 countries** accounting for **85% of the world's total research on soil C sequestration in agriculture**



Countries partners of CIRCASA, 4p1000, GRA, FACCE-JPI and CCAFS



RESEARCH PROGRAM ON  
Climate Change,  
Agriculture and  
Food Security



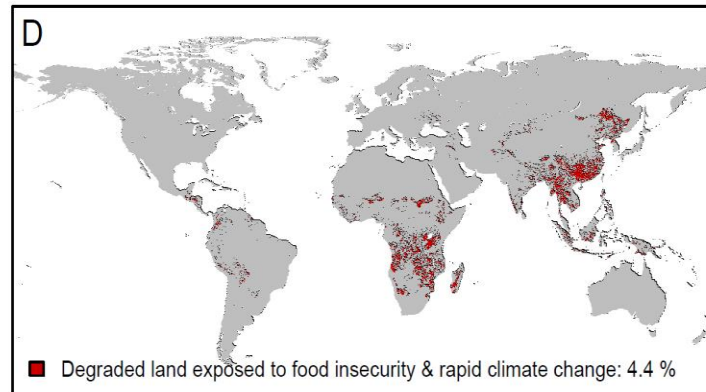
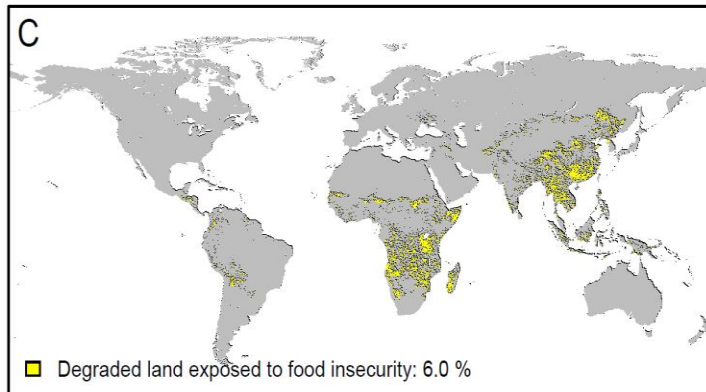
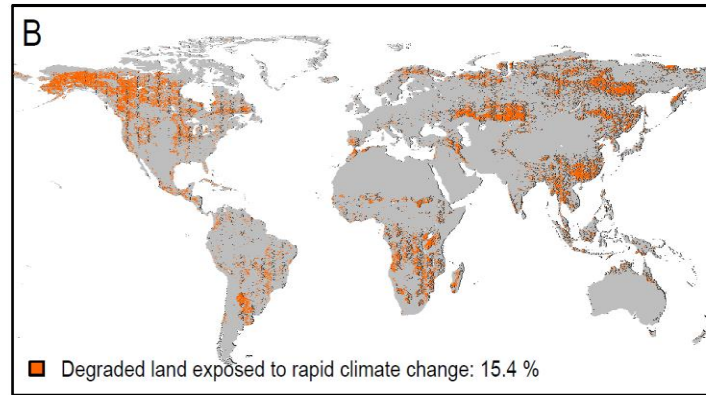
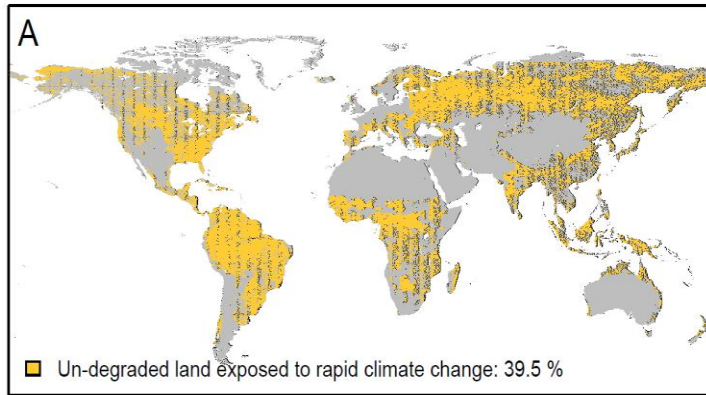
# CIRCASA Goals

Develop **international synergies concerning research and knowledge transfer** on agricultural soil C sequestration at European Union (EU) and global levels.

1. Strengthen the international research community
2. Improve our understanding
- 3. Co-design a strategic research agenda with stakeholders**
4. Create an International Research Consortium

# Structuring knowledge (WP1)

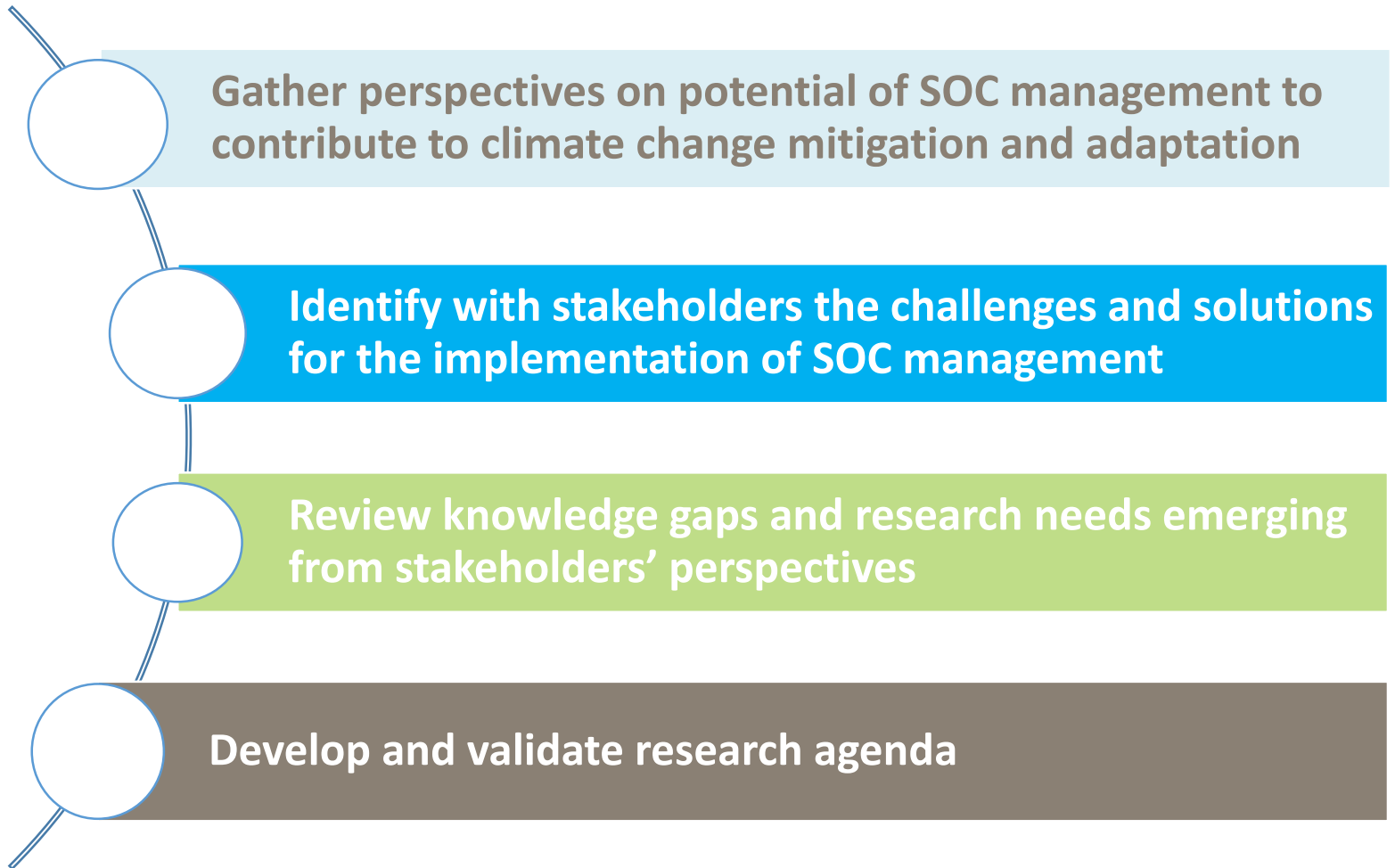
Highlight: IPCC Special report Land and Climate Change (Ch 6, SOD)



Spatial distribution of exposure to selected multiple land challenges. A. Un-degraded land exposed to rapid climate change; B, Degraded land exposed to rapid climate change; C, Degraded land exposed to food insecurity; D, Degraded land exposed to rapid climate change and food insecurity

**=> An open data repository with geospatial and modelling data**

# Co-design a strategic research agenda with stakeholders



# Stakeholder Engagement (WP2)



Online Survey – 7 languages

Workshops on 5 continents

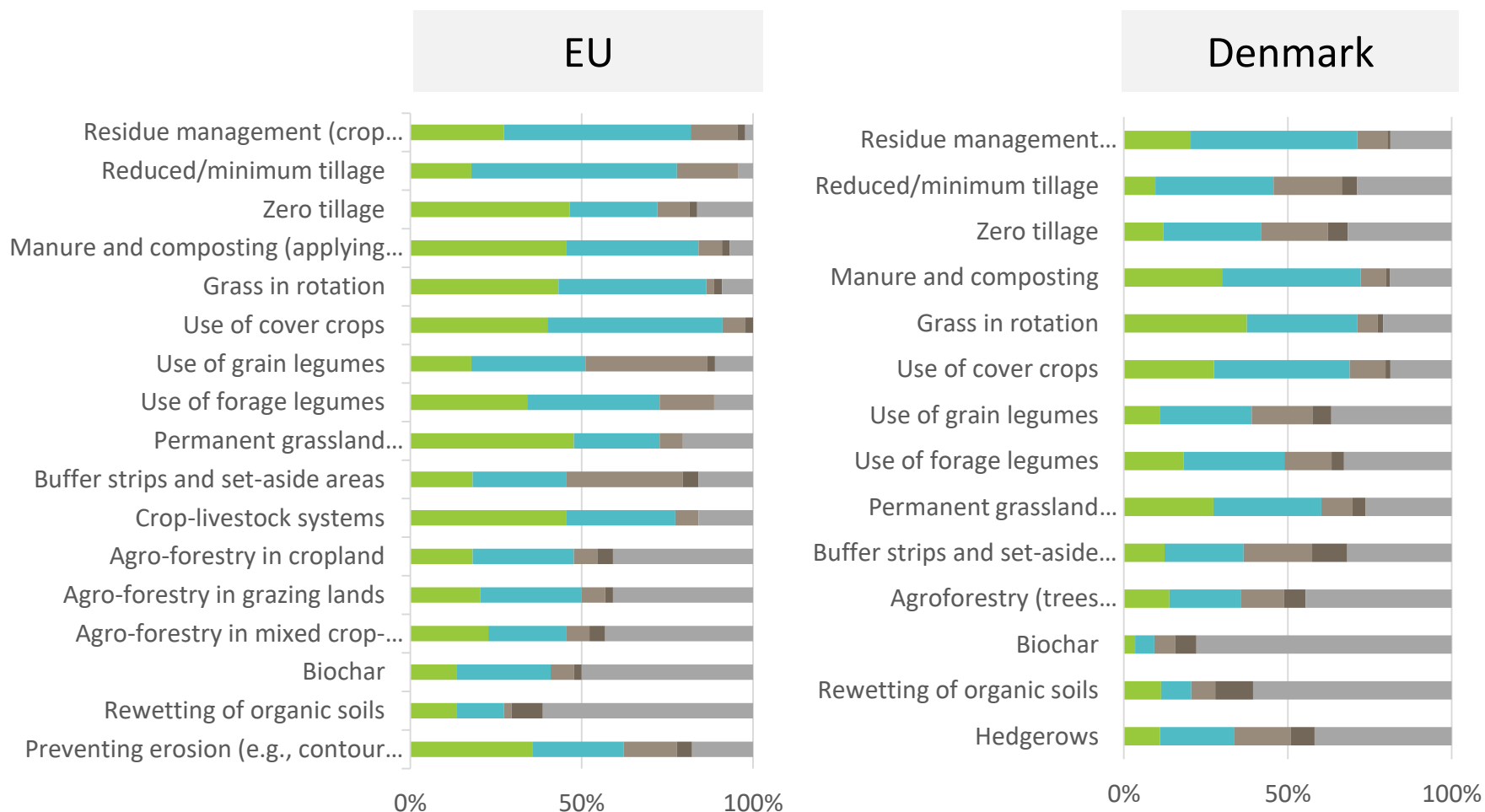
Stakeholder Advisory Board



=> Strategic Research Agenda

# Online survey on options, barriers and knowledge gaps

## SOC management options – effectiveness



# Knowledge needs

What new knowledge is needed by farmers to increase uptake of SOC management options?

What new knowledge is needed by other stakeholders to increase uptake of SOC management options?

What knowledge is available but needs to be made accessible to farmers and other stakeholders?

What new research is needed as a result of the knowledge needs?



# Create an International Research Consortium on SOC (WP3)

- Belmont forum pre-program on 'Soil Health'
- European Joint Program, Agricultural Soils, with International calls
- EC Horizon Europe **Mission** planned on Land degradation and Soil Health

**=> CIRCASA Research Policy Committee: Explore activities, resources and governance for an International Research Consortium (IRC) on agricultural soil carbon and draft a work plan.**

The Global Soil Partnership (GSP), the GRA, FACCE-JPI and the 4 per 1000 initiative will greatly facilitate this task, allowing the CIRCASA IRC to be embedded into a broader soil and agricultural research context.



GLOBAL SOIL  
PARTNERSHIP



GLOBAL  
RESEARCH  
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES




CIRCASA




CIRCASA

# Communication and Outreach (WP4)



SOIL CARBON SEQUESTRATION  
Open Collaborative Platform

HomeAbout CIRCASA OCP ServicesNetworkNewsContacts




## Welcome to CIRCASA's Open Collaborative Platform

### The International Research Network on soil Carbon Sequestration in Agriculture


#### OUR SERVICES

##### Collaborative Search




- Develop protocols
- Share data and models
- Manage tasks
- Provide access to papers
- Review projects and papers

##### Datas Matchmaking




- My research profile
- Identify partners , jobs
- Map collaborative networks
- Search by research theme
- Search by geographical area

##### Knowledge sharing




- Maps of practices,
- Links to multiple initiatives
- Calendar to add new events
- Webinar platform

##### Opportunities




- Database of funding opportunities
- Funders can tag eligible projects,
- Project leads can apply to a call through links

#### THE OCP IN FIGURES




Projects

23




Members

169





Bibliography

431



Documents

157



## Next steps – Collaborations with 4 per 1000

- Executive Committee - 4 per 1000 Executive Secretary is member
- WP1 – State of the Art send for review to 4 per 1000 STC
- WP2 - Online survey is open until January – further inputs from 4 per 1000 stakeholders (non scientists) very welcome
- WP3 – Strategic Research Agenda send for review to 4 per 1000 STC
- WP4 – CIRCASA scientific platform links with 4 per 1000 stakeholder's platform

# Thank you for your attention!



Follow us on Twitter! [@CIRCASApject](https://twitter.com/CIRCASApject)

Visit our website [www.circasa-project.eu](http://www.circasa-project.eu)



This project has received funding from **the European Union's Horizon 2020** research and innovation programme under grant agreement No **774378**