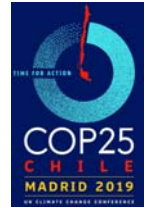




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Contributions of the STC to the vision of the initiative and recommendations for the consortium

C. Rumpel, F. Amiraslani, C. Chenu, M. Garcia Cardenas, B. Henry, M. Kaonga, L. Koutika, J. Ladha, B. Madari,, Y. Shirato, B. Soudi, JF. Soussana, D. Whitehead, L. Wollenberg





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Towards the 4p1000 vision

What has been achieved?

- A revised aspirational goal, consistent with global targets and readily applicable at local scale
- Criteria for '4 per 1000' projects were defined and an assessment procedure tested
- Awareness of the importance of soil organic carbon (SOC)
- Analysis of SOC inclusion in the countries' NDCs

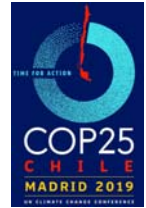
What is missing?

- Strong engagement of 4p1000 colleges
- Action plan -> **Vision**
- Soil carbon monitoring methods
- Improved inventories and inclusion of SOC in NDCs
- Capacity building





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High priority questions for each country/region

What can be done to increase SOC stocks and what will it cost?

How to develop national plans to increase SOC?

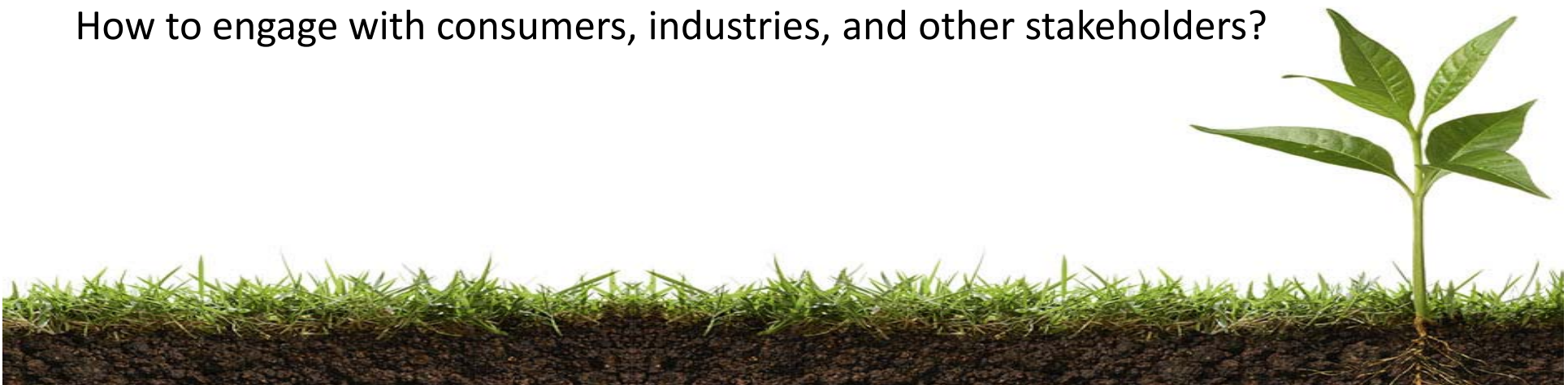
How to monitor SOC change and report progress?

How to build capacity in relation to SOC management?

How to lower barriers through markets and policies?

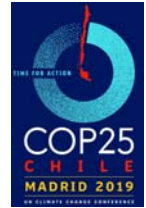
How to incentivise farmers, foresters and other land managers?

How to engage with consumers, industries, and other stakeholders?





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Vision for the next 5 years

Continuing to raise awareness and build capacity

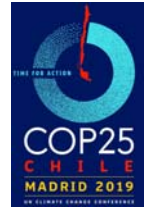
4 topics:

1. National/regional studies to include SOC in NDCs
2. SOC monitoring systems
3. International research consortium (IRC) working on SOC
4. Adoption through shared innovation





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1. National/regional studies to include SOC in NDCs

Quantify potential and costs of SOC sequestration for different management practices

- Spatially explicit studies and modeling based on soil data and current baselines for agricultural/forestry practices

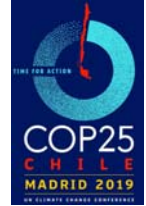
Vision

- 10-20 countries/regions have performed a national study
- 5-10 countries/regions have used their national studies to revise their NDCs
- More countries/regions have included SOC in their NDCs





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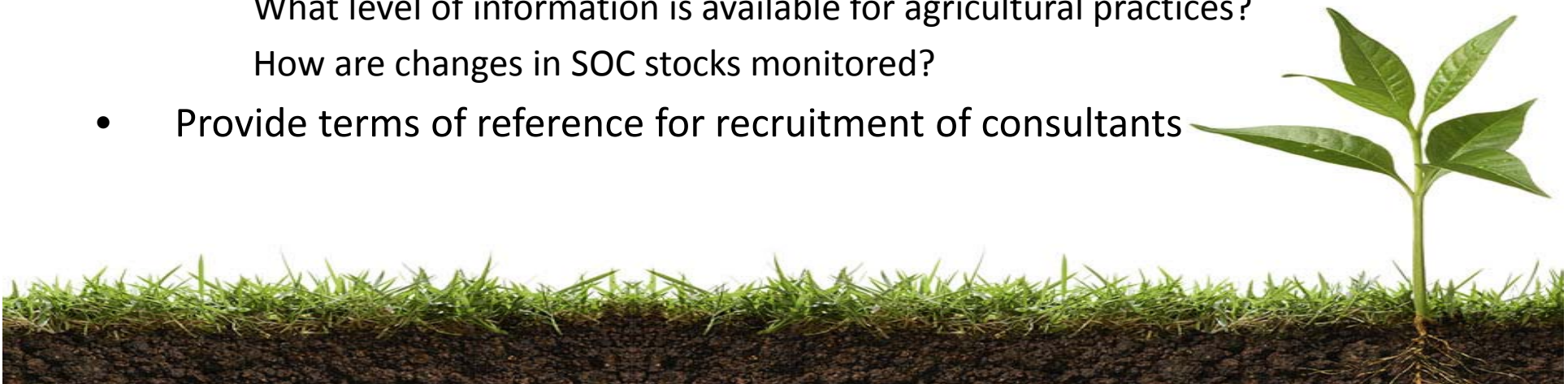
1. National/regional studies to include SOC in NDCs

Recommendations to the Consortium

- Encourage countries/regions to assess SOC stock changes and potentials

STC contribution

- Coordinate a stocktake of what has been done within countries to estimate potential SOC storage and how much does it cost
- Provide check list with questions to be answered by countries/regions (spatial scale needs to be provided) e.g.:
 - Is there a baseline for SOC stock?
 - What level of information is available for agricultural practices?
 - How are changes in SOC stocks monitored?
- Provide terms of reference for recruitment of consultants





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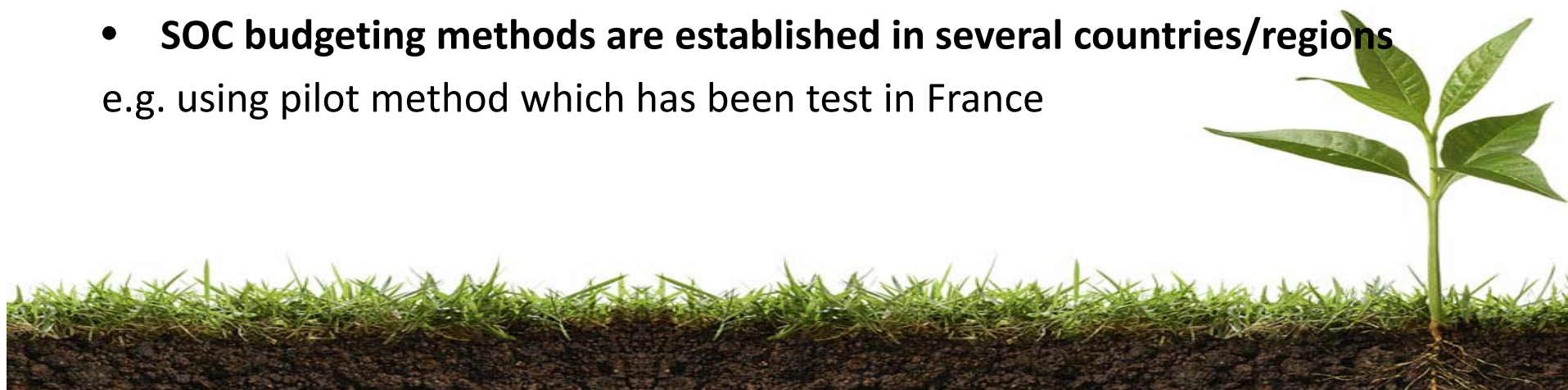
2. SOC monitoring system

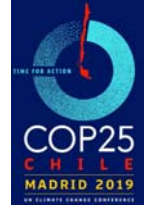
Quantify SOC stock changes for different land uses and management practices

- Define proxies for different land management practices

Vision

- **proxies for SOC stock changes on a global scale are established**
e.g. Interannual changes in vegetation cover as a proxy for SOC changes for agriculture
- **SOC budgeting methods are established in several countries/regions**
e.g. using pilot method which has been test in France

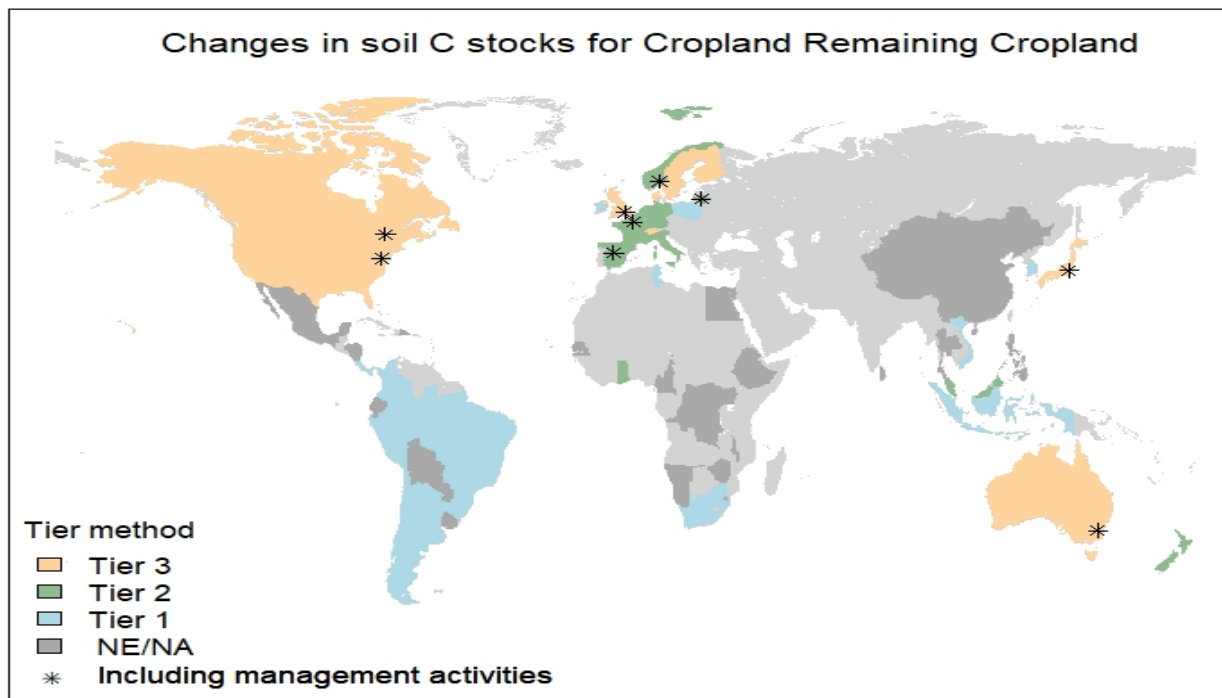




2. SOC monitoring system

Vision

- 3 more countries have moved to Tier 3 and 5 more countries have moved to Tier 2, all other countries started at least with Tier 1



ems to monitor SOC





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3. International Research Consortium (IRC) working on SOC

International coordination and funding of research on SOC

Vision

- **Research consortium with advisory board including stakeholders is established**

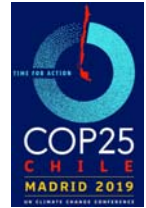
Recommendations to the Consortium

- Encourage countries/regions to support the establishment of the IRC

STC contribution

- Review plans for the IRC





4. Adoption through shared innovation

Adoption of research findings and innovative SOC sequestration practices through multistakeholder collaboration

Vision

- Findings from 5 operational living labs have been adopted

Recommendations to the Consortium

- Encourage all colleges to support the establishment of the living labs

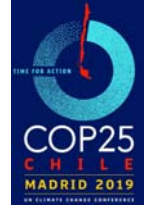
STC contribution

- Review calls for the establishment of living labs
- Provide guidance for the evaluation of submitted projects





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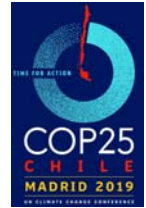
Renewal of the STC

- **Appoint two STC members selected by the ad hoc committee to replace retiring members**

Recommendations to the Consortium

- Appoint two new STC members selected by the ad hoc committee
- Make a new call to select two applicants with strong socio-economic skills





4p1000 agenda

- Infrequent interactions between STC and the Consortium: long delay in considering recommendations

Recommendations to the Consortium

- Change the order and frequency of meetings of 4p1000 bodies

2 times yr⁻¹ outside COP

