Scientific and Technical Committee
4 p 1000 Initiative

University of Silesia

Katowice 13 December 2018
Katowice 13th December 2018 – 3rd FORUM of PARTNERS

The 14 STC members

Chair:
Cornelia Rumpel (Germany)

Vice-chairs:
Claire Chenu (France)
Jean-Francois Soussana (France)
Magali Garcia Cardenas (Bolivia)

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

2 meetings in 2018: Madrid and Katowice
Two opinion papers

The 4p1000 Initiative: stimulating policy-science-practice interactions for soil organic carbon sequestration

The scientific and technical committee of the 4p1000 initiative (STC): Cornelia Rumpel\textsuperscript{1}, Farshad Amiraslani\textsuperscript{2}, Claire Chenu\textsuperscript{3}, Magali Garcia Cardenas\textsuperscript{4}, Martin Kaonga\textsuperscript{5}, Lydie-Stella Koutika\textsuperscript{6}, Jagdish Ladha\textsuperscript{7}, Beata Madari\textsuperscript{8}, Yasuhito Shirato\textsuperscript{9}, Pete Smith\textsuperscript{10}, Brahim Soudi\textsuperscript{11}, Jean-François Soussana\textsuperscript{12}, David Whitehead\textsuperscript{13} and Eva Wollenberg\textsuperscript{14}

Submitted to Ambio

Put more carbon in soils to meet Paris climate pledges

Take these eight steps to make soils more resilient to drought, produce more food and store emissions, urge Cornelia Rumpel and colleagues.

Submitted to Ambio
Symposia organised in global events

Soil Organic Matter to Secure Food and Water and the “4 per 1000 Initiative: Soils for Food Security and Climate

Carbon Sequestration for Climate Change Mitigation

Participation in many others......
STC support to Consortium members

- a set of ‘4/1000 reference criteria and indicators’
- for the formative assessment of projects

- principles and goals of the Initiative as defined in the Paris Declaration

UN SDG (SDG 2, SDG 13, SDG 15)
### Four assessment steps

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Does not compromise</td>
<td>SOC stocks and land degradation neutrality (SDG 15)</td>
<td>Welfare &amp; well-being (SDG 12)</td>
<td>Training and capacity building</td>
</tr>
<tr>
<td>• human rights</td>
<td>• Climate change adaptation</td>
<td>• Biodiversity &amp; ecosystem services (SDG 15)</td>
<td>• Participatory and socially inclusive approaches</td>
</tr>
<tr>
<td>• land rights</td>
<td>• Climate change mitigation (SDG 13)</td>
<td>• Water and nutrients cycles (SDG 6)</td>
<td></td>
</tr>
<tr>
<td>• poverty alleviation</td>
<td>• Food security (SDG 2)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Contents

- SOC stocks and land degradation neutrality (SDG 15)
- Climate change adaptation
- Climate change mitigation (SDG 13)
- Food security (SDG 2)
- Welfare & well-being (SDG 12)
- Biodiversity & ecosystem services (SDG 15)
- Water and nutrients cycles (SDG 6)

#### Requirements

- Need to meet them all
- Soil C+ does not compromise others
- Training and capacity building
- Participatory and socially inclusive approaches

Feedback to improve the quality of the project **before and during implementation**
Process ...

1. Methodology, criteria, indicators
2. Discussion/Validation
3. Task Force - Project holders
4. Refine indicators/methods
5. STC
6. Discussion/Validation
7. Online publication

1. BONN
2. MADRID
3. KATOWICE
Testing the assessment process

1. Implementation of a multi-stakeholder working group to provide feedback
2. Development of procedures
3. Tested using 4 projects
4. Improvement of procedures
5. Development of self-assessment tool
6. Tested using 3 more projects
Task force work

<table>
<thead>
<tr>
<th>STC</th>
<th>C. Rumpel, D. Whithead, B. Madari, M. Garcia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project holders</td>
<td>APAD, Regeneration Int, The Nat Cons., Cari, AVSF</td>
</tr>
<tr>
<td>Funders</td>
<td>GEF, MIROVA, AFD, BM</td>
</tr>
<tr>
<td>Secrétariat exécutif</td>
<td>P. Luu, P. Melgarejo</td>
</tr>
</tbody>
</table>

• Feedback
  • Label ?
  • Self-assessment: difficulty and cost ?
  • Focus on C storage
  • Build on existing tools(ExAct, WOCAT)
Procedures and methodology

- Project description
- Criteria & indicators
- Code of conduct
- Information transmitted to the project holder

Assessment template
Procedure and guidelines
Summary and recommendations
Tools for assessing projects

1. Procedure and guidelines for applicants (including annex with code of conduct)
2. Template of project information + assessment form
3. Template of summary and recommendations for project holders
4. List of external experts
5. Self-assessment tool

TESTED 7 PROJECTS (4+3)
Conclusions (Madrid)

Improve tools:
- Information provided by project holders
- Assessment form

Investigated use of a self-assessment tool

Encourage the adoption of the assessment tools by projects holders and funders:
- Award
- ToR for consultancy for mainstreaming 4p1000 indicators in existing certification/labilisation standard
- label/opinion/view/advice???
- Improved engagement with funding agencies
Katowice 13th December 2018 – 3rd FORUM of PARTNERS

Today...

- **Consortium**
  - President / vice President

- **Executive secretariat**

- **Scientific and Technical Committee**

- **Sub-committee**

- **External experts**

- **Projects**

- **Formative assessment**

- **Project description**
- **Criteria & indicators**
- **Code of conduct**
Informative assessment

• Informative assessment of project ideas/proposals
• Procedure was tested on 7 representative proposals in terms of geographical regions, practices, project scale
• Procedure was discussed with funders and project holders (task force)
• STC-Indicators were validated and procedure finalised

Ready for approval by Consortium
Future plans

- Advise project holders how to include soil carbon into their project ideas
- Expert opinion on finalised project (further development)
- Award
- Workshop with funders/certification agencies on the inclusion of SOC indicators already in use (do they include and how?)

Encourage partners to establish and implement actions to maintain or increase soil organic carbon

- Use STC indicators to review these actions
- Mainstreaming 4p1000 indicators into existing carbon certification/labelling standards (ToR for consultancy)
Involvement of STC in the Koronivia process

**Aim:** Provide scientific evidence to raise ambition and support action on NDCs for increasing or maintaining soil carbon

**Action:**
- Analysis of current NDCs of all countries in the agricultural sector
- Prepare a submission based on this analysis

Partners are encouraged to convey soil carbon goals in submissions to the Koronivia process
Thank you for your attention
Looking forward to discussion