



# The « 4 per 1000 » Initiative

General Presentation

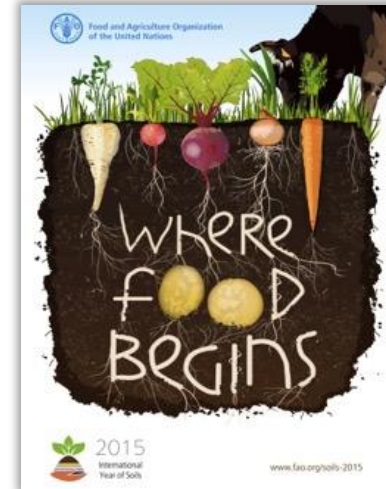
**Stéphane LE FOLL, Chairman**

*8th September 2021*



# Why storing C in soils?

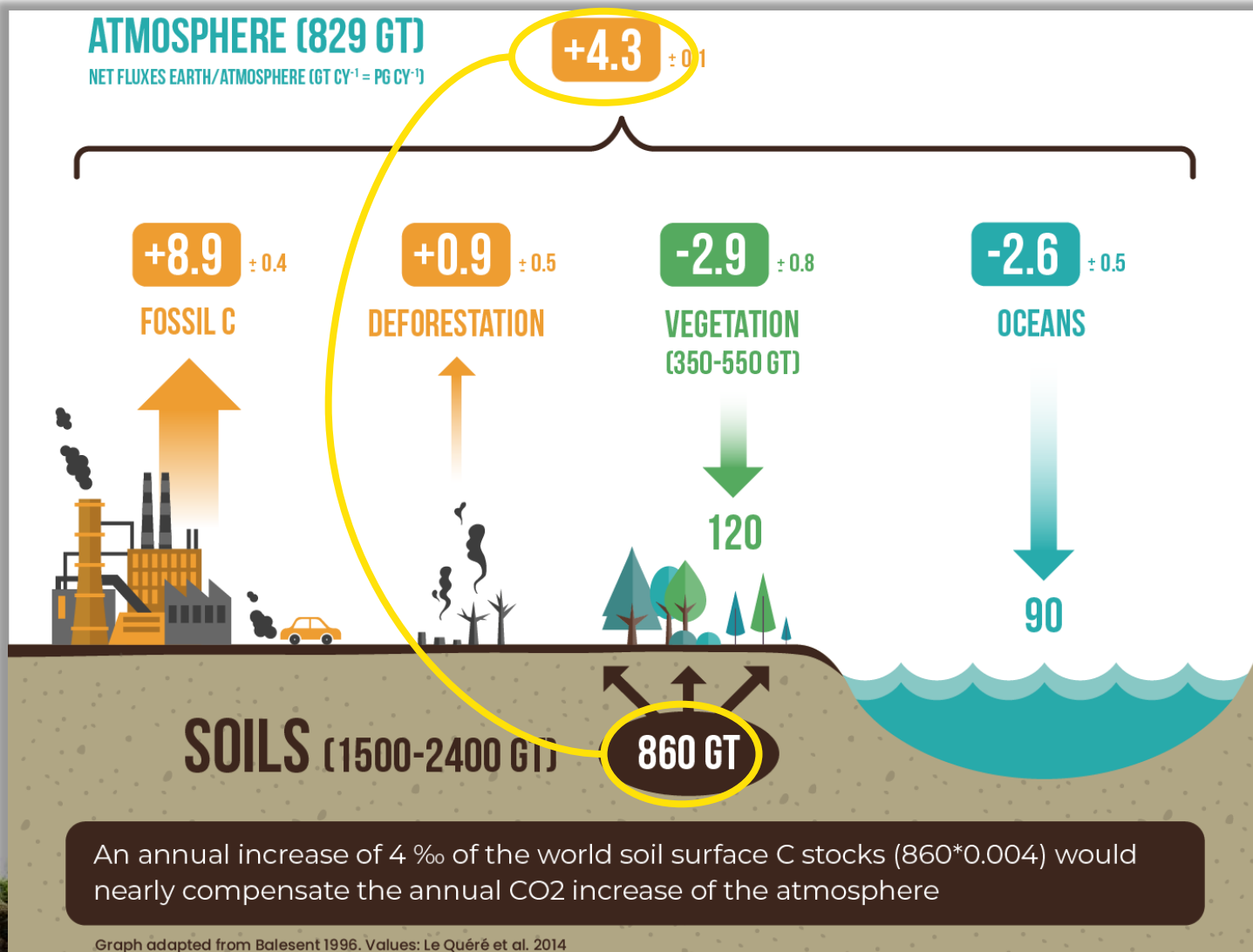
- **To Mitigate climate change**
  - Attenuate GHG emissions.
  - OC can be stored in soils for decades to millenia
  - Low cost negative emission technology
- **To Adapt to climate change**
  - Soil organic matter increases water retention capacity,
  - and decreases sensitivity to erosion
- **To Contribute to food security & restore degraded soils**
  - Soil organic matter plays a major role in soil fertility
  - As well as yields stability
  - It helps restoring degraded soils





# 4 PER 1000

## WHERE DOES IT COME FROM ?





DECEMBER 1<sup>ST</sup> 2015 (10:30-13:00)  
COP21, PARIS-LE BOURGET

**OFFICIAL LAUNCH OF THE  
4 PER 1000: SOILS FOR FOOD SECURITY  
AND CLIMATE INITIATIVE**



## Action Plan

- Multi-stakeholder collaborative platform
- Tools to expertise and evaluate projects

## Scientific Program

- International research and scientific cooperation program
- Digital resources center on carbon in soils



**On December 1<sup>st</sup> 2015, more than 160 signatories of the declaration of intent (31 countries)**

# The Goals of the Initiative

**Increase carbon sequestration in soils as organic matter, for:**

- increasing food security
- adapting agriculture to climatic changes
- mitigating climate change

**Pursuing the objectives of sustainable development adopted by the United Nations.**



# Partners & Members (21st June 2021)

## FORUM partners

**646** signatories of the Declaration of Intent on objectives sharing

*Including 48 countries & provinces, 17 international & regional organizations, 10 foundations & development banks, 227 NGOs, 99 research & education bodies & Universities, 62 Farmers organizations and 183 enterprises*

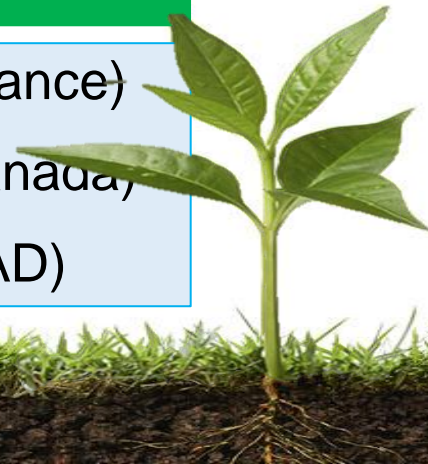
## CONSORTIUM Members

**289** signatories of the Declaration of Intent on governance

Chair : **Mr. Stéphane LE FOLL** (ex. Ag. Minister France)

Inc. Vice-Chair : **Mrs. Gabrielle BASTIEN** (Reg. Canada)

Out. Vice-Chair : **Dr. Ibrahim MAYAKI** (ES NEPAD)

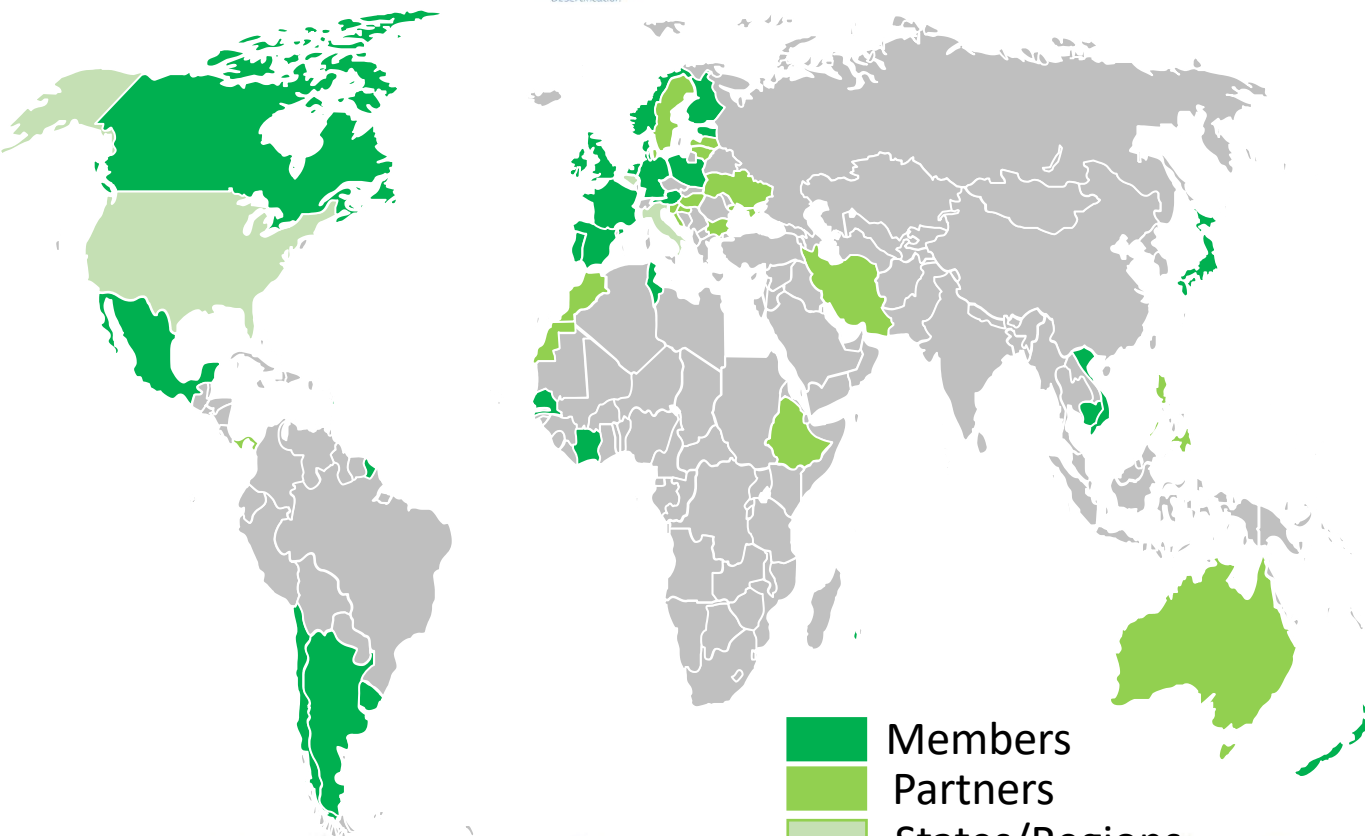




# Some Partners & Members in June 2021



Etc.



Members  
Partners  
States/Regions



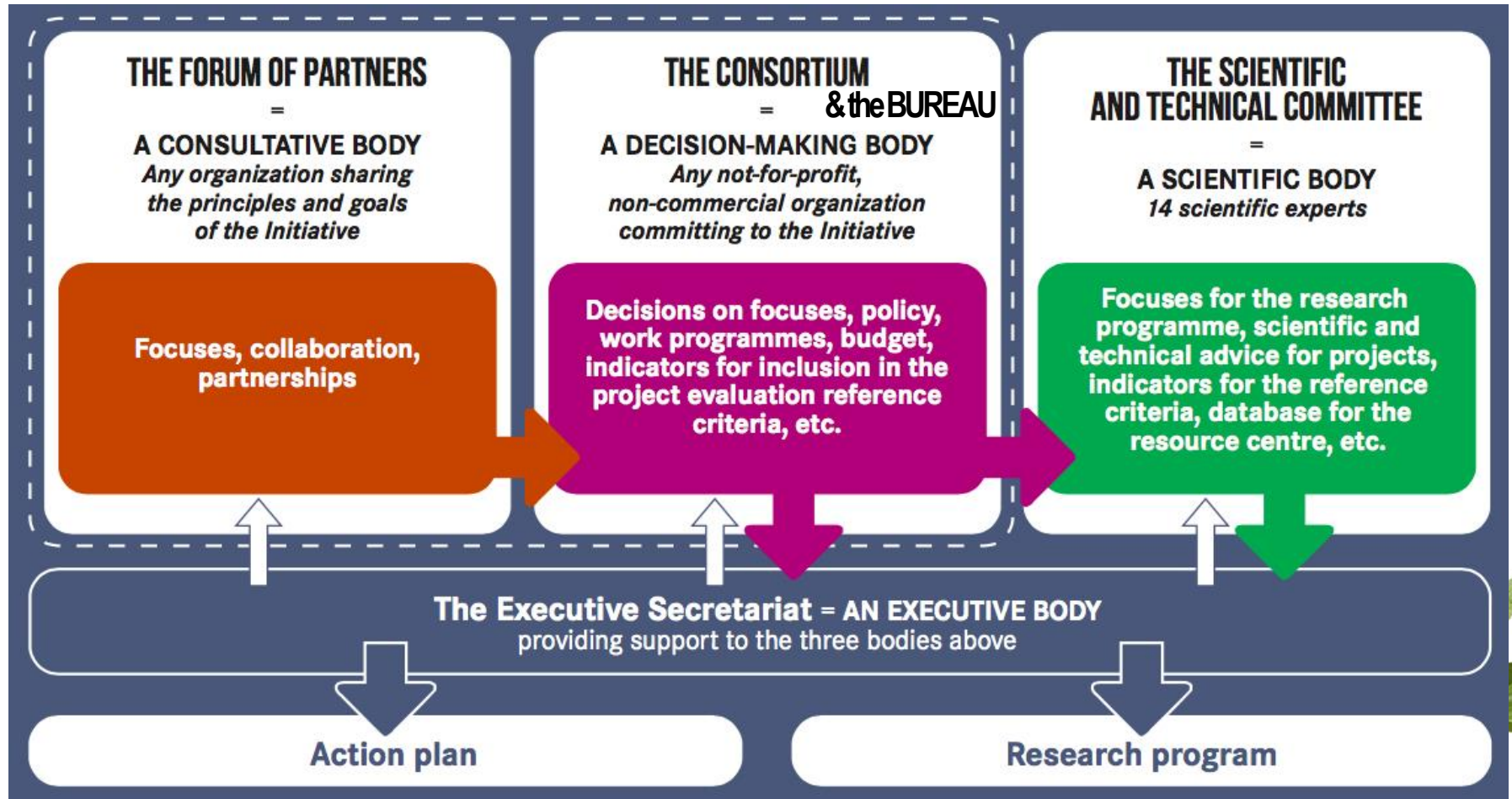
# An overview of Partners & Members

646 Partners among which 289 Members (June 2021)





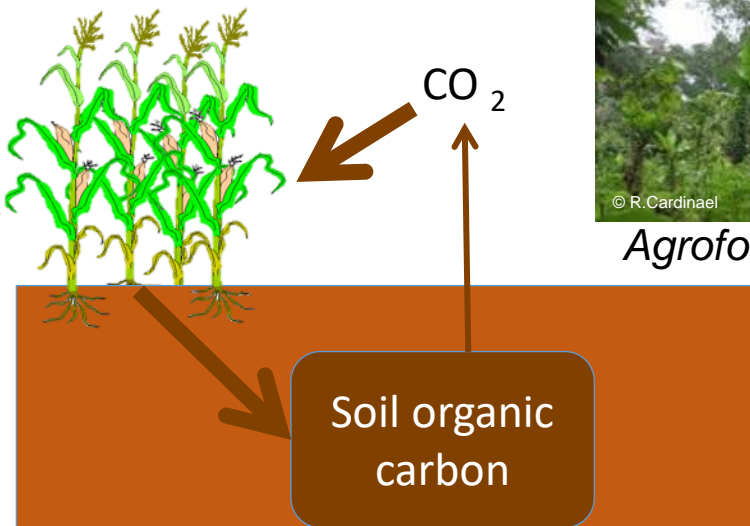
# Governance of the Initiative



# Limits and feasibility: practices



*Integrated soil fertility management*



*Agroforestry*



*Conservation agriculture*



*Water management*



**Annual 4 per 1000 increase locally attainable**  
**Great variability of C storage rates (climate, soil..)**  
**Limits : biomass availability, nutrients, water, soil...**



*Cover crops*



*Organic fertilization*



*Biochar*



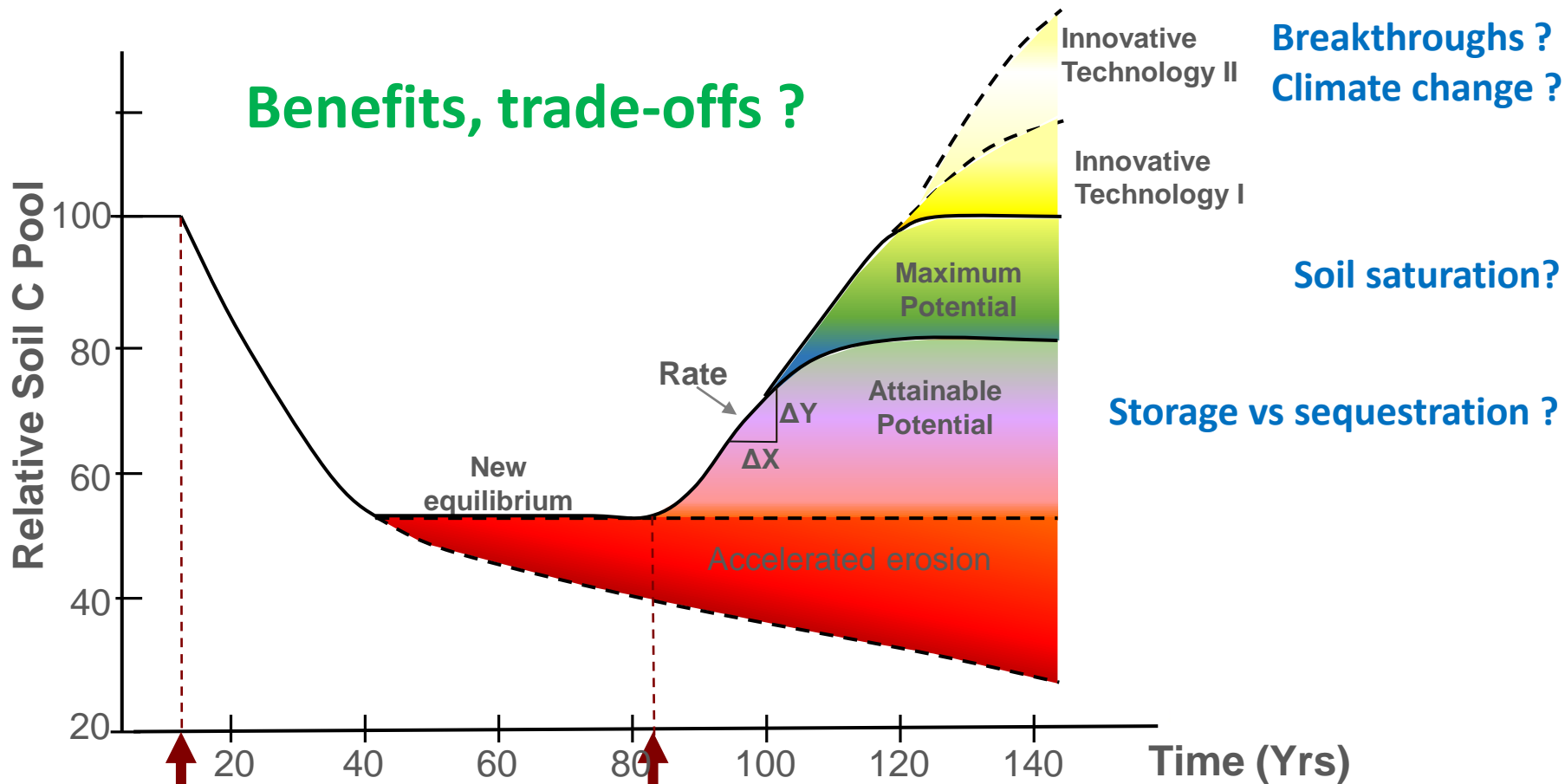
*Rangeland management*





# Estimating the Potential of Soil Carbon and Associated Benefits such as biodiversity

Benefits, trade-offs ?



Subsistence farming, none or low off-farm input soil degradation

Adoption of better management practices

# Future trend towards agro-ecology



**wished evolution of agricultural systems**

Use of mineral fertilizers and phytosanitary products

Natural forestry Ecosystem

Agroforestry

Regenerative Agriculture

Permaculture

Biodynamic Agriculture

Holistic grazing system

Organic Agriculture

Conservation Agriculture

Climate-Smart Agriculture  
Precision Agriculture

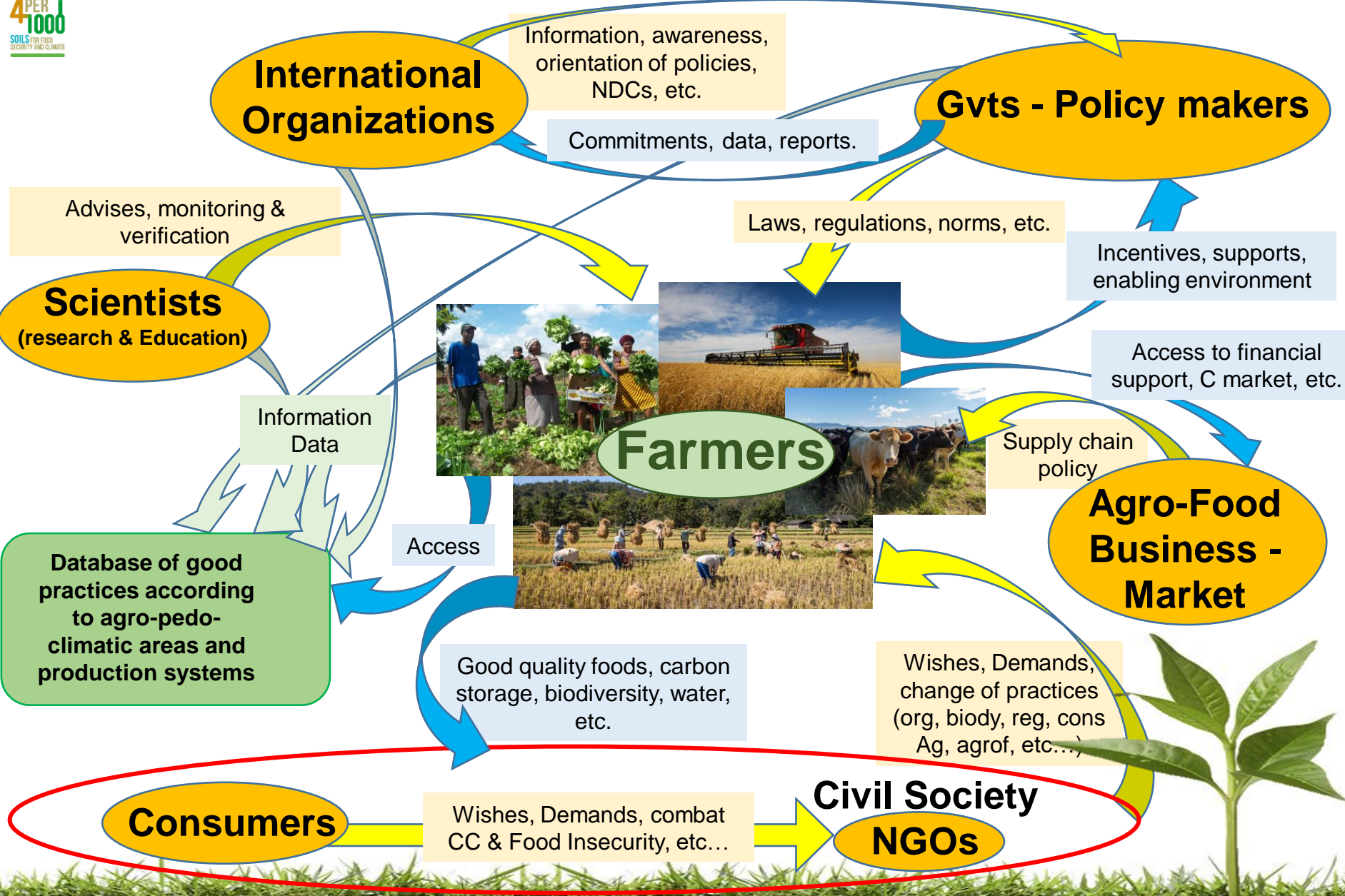
Conventional Agriculture

Biodiversity and SOC





# Accelerating Carbon Farming – Online – 8th September 2021



# The 4 PER 1000 Initiative's Strategic Plan



## STRATEGIC PLAN



## VISION 2050

Worldwide healthy and carbon-rich soils to combat climate change and end hunger.



## MISSION 2030

Provide a supportive framework and action plan to conceptualize, implement, promote and follow up actions, on soil health and soil carbon, through an enhanced collaboration between stakeholders of the «Agriculture, Forestry and Other Land Use (AFOLU)» sector, in line with the UN Sustainable Development Goals (SDGs).

# The 4 PER 1000 Initiative's Strategic Plan

## GUIDING PRINCIPLES

- **Soil health is at the center** of actions
- **Farmers/foresters are key actors at the center and managers of their farming/forestry systems.**
- A territorial approach that respects **land rights** and holders, adjusts to local conditions, follows the subsidiarity principle and strengthens local ownership of action.
- A **science-based and result-oriented approach**, with the help of an international multidisciplinary "4 per 1000" Initiative **Scientific and Technical Committee (STC)**.
- A "4 per 1000" Initiative **Executive Secretariat that facilitates and organizes, and Members and Partners who voluntary act and implement.**
- A focus on **strengthening inter-institutional collaboration**
- A **multi-stakeholder approach and a public-private cooperation** that promote mutual support between actors, open access and open data and **optimal allocation of resources** including to **farmers/foresters**.
- The **ability to learn, agility, willingness and team spirit** at all levels provide the **flexibility and drive** needed to meet the complex challenges ahead.
- **Gender equality** and the **empowerment of women and young people in agriculture.**
- The **inclusion of ethnic minority groups.**





# The 4PER1000 Initiative's Strategic Plan

## GOALS

Broad long-term aims that define accomplishment of the vision

<b>A</b> <b>INCEPTION &amp; CONCEPTUALIZATION</b>	Facilitate the emergence and ensure the feasibility of methodologies, tools and recommendations that foster stakeholders' ability to implement the Initiative on the ground
<b>B</b> <b>IMPLEMENTATION</b>	Foster enabling environment and/or framework (business model, trustworthy third-party, tutoring, mentoring, amplify impact, scaling up) for implementation on the ground
<b>C</b> <b>PROMOTION</b>	Raise awareness and advocacy, build trust, encourage partnerships, engagements and commitments of all stakeholders
<b>D</b> <b>COLLABORATION</b>	Implement an online collaborative platform that facilitates and supports interaction between partners, with powerful tool box, business plan and knowledge management strategy
<b>E</b> <b>FOLLOW UP</b>	Establish an international science based framework recognized by all stakeholders for the assessment of impact through monitoring, reporting & verification
<b>F</b> <b>CROSSCUTTING ACTIONS</b>	Highlight the pertinence of the «4 per 1000» Initiative by initiating and supporting concrete and result-oriented actions on the ground and increase resource mobilization to ensure the long-term viability of the Initiative.

Each objective is defined by its number, description, baseline 2020 (present status), and targets 2030 and 2050.

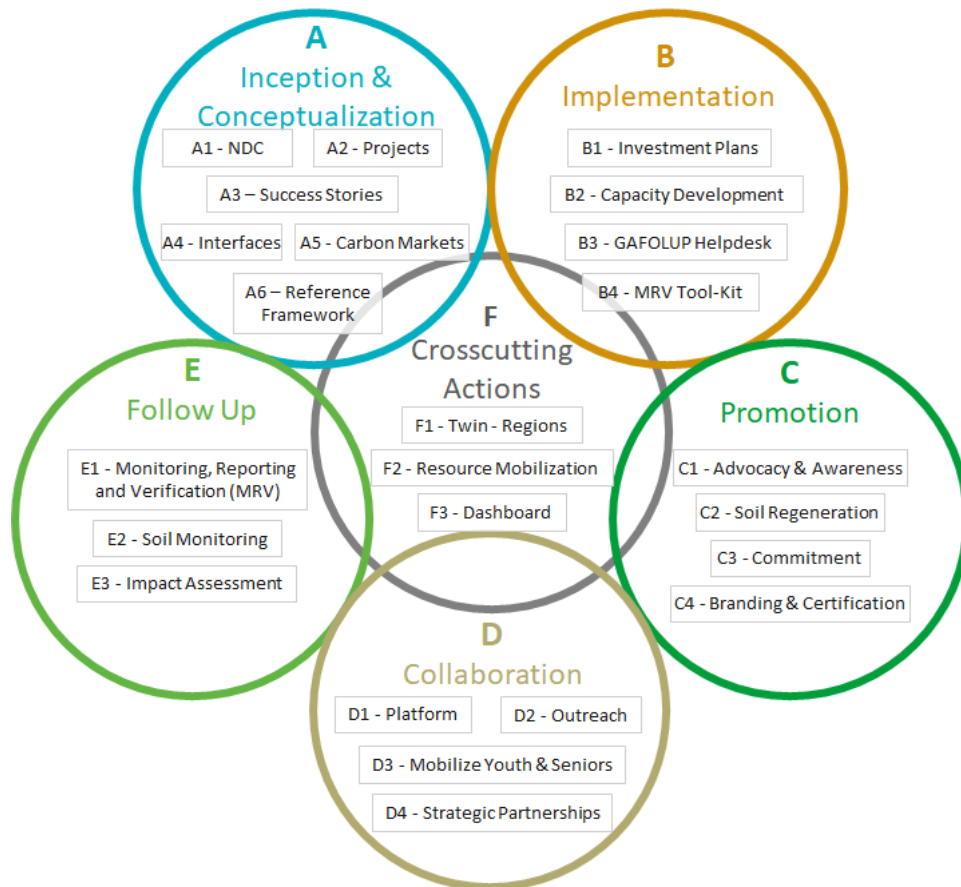




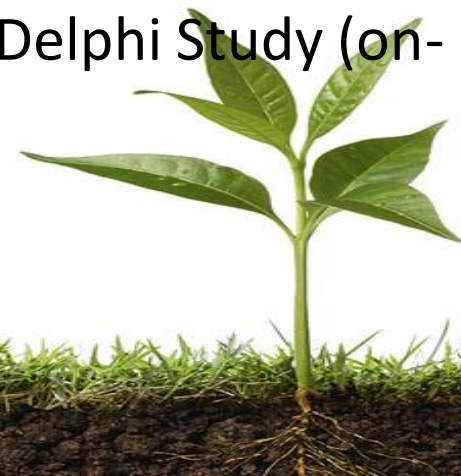


# The 4PER1000 Initiative's Strategic Plan

Strategic Plan  
6 Goals & 24 Objectives

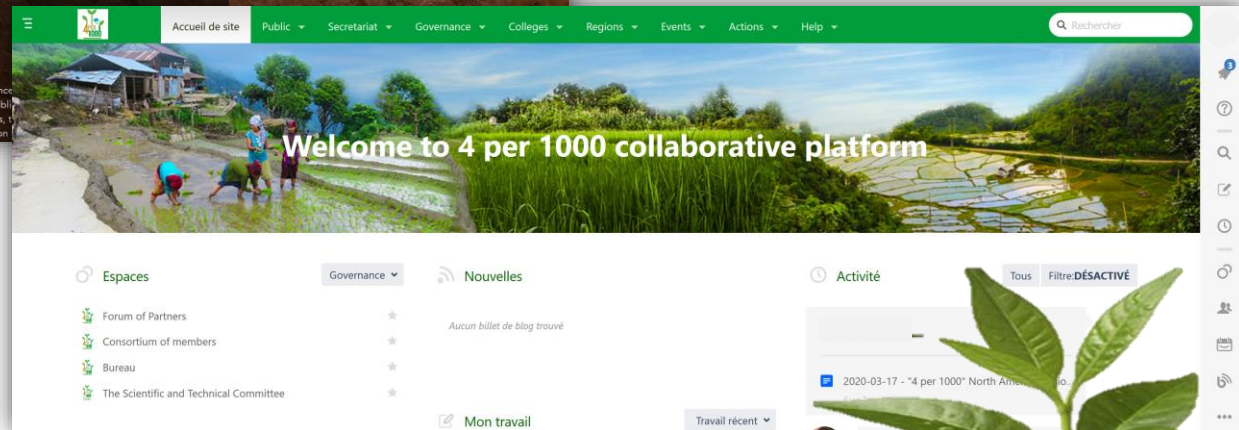


- [Strategic Plan](#) was adopted by the Consortium of members in June 2020
- It defines 24 strategic objectives
- [Task Forces](#) were created around every objective and work through Delphi Study (on-going)





# www.4p1000.org



# Thank you for your attention....

