Careful management of agricultural soils can play a crucial role to improve food security and slow the rate of global warming and adapt to climate change.

THE AMBITION of the “4 per 1000” Initiative is to encourage lands users to transition towards a productive, highly resilient agriculture, based on the appropriate management of land and soils, creating jobs and incomes hence ensuring sustainable development.

Supported by credible scientific documentation, this initiative invites all stakeholders to state or implement practical actions on soil carbon storage and management practices to achieve this (e.g. agroforestry, agroecology, conservation agriculture, landscape management, etc.).

Moreover we need to better quantify soil carbon stocks and encourage farmers to adopt agricultural practices to conserve and increase carbon stocks. That is why all stakeholders (farmers, economic players, NGOs, regional and local authorities, countries, International organizations, development banks, foundations, etc.) are supporting projects around the "4 per 1000" Initiative.

The "4 per 1000" initiative comprises two themes:
- a scientific part led by the Scientific and Technical Committee with:
  - guidelines for an international programme of research and scientific cooperation
  - reference criteria & indicators for projects assessment
- a development part based on field activities:
  - a collaborative platform open to partners and members
  - a digital resource centre on soil organic carbon management (under construction).

Executive Secretariat:
secretariat@4p1000.org
www.4p1000.org

The “4 per 1000” Initiative
Soils for Food Security and Climate

This "4 per 1000" Initiative, launched by France on December 1st, 2015 at the COP 21, is part of the Global Agenda for Action

The "4 per 1000" Initiative is a partner of
Global Soil Partnership (hosted by FAO)

The Executive Secretariat of the "4 per 1000" Initiative is hosted by CGIAR System Organization, an international organization based in Montpellier (France)
In the context of climate change and in addition to drastic efforts of all sectors to reduce GHG emissions worldwide, our capacity to feed 9.8 billion people by 2050 will depend critically on our ability to keep our soils alive and to adapt our agriculture.

There is a need to reverse the effects of soil degradation that affects 40% of the Earth’s land surface.

CONTEXT: the GREENHOUSE EFFECT
Human activities emit enormous amounts of carbon dioxide (CO₂) into the atmosphere, which enhances the greenhouse effect and increase the rate of climate change.

Every year, 30% of this carbon dioxide (CO₂) is absorbed by plants due to photosynthesis. Then, when those plants die and decompose, the living organisms of the soil, such as bacteria, fungi or earthworms, transform them into organic matter. Carbon-rich soil organic matter is essential: it retains the water, nitrogen and phosphorus that are critical for sustainable agriculture.

THE SOLUTION: CARBON SEQUESTRATION IN SOILS*
The “4 per 1000” Initiative aims to encourage farming and forestry practices that increase soil carbon stocks.

The health of soils, for which sufficient organic matter is the main indicator, is closely correlated with agricultural production. Stable and productive soils directly foster the resilience of farms to develop resilience to the effects of disruption in the climate.

THE VISION
Regenerated and carbon-rich soils globally to fight climate change and hunger, worldwide.

THE MISSION
Support for projects that demonstrate changes in management practices to increase soil carbon stocks.

THE 3 GOALS
1. Accelerate Climate Change MITIGATION
2. Intensify the ADAPTATION of Agriculture to Climate Change
3. Improve FOOD SECURITY

METHODS: SOIL MANAGEMENT PRACTICES & AGROECOLOGY
Farming and forestry practices that favour carbon storage in soils and biomass (permanent soil cover, use of organic products, diversified cropping systems, agroforestry, conservation agriculture, regenerative agriculture, etc.) will contribute to preserving natural resources and biodiversity, increasing productivities, stabilizing soils, and improving their water retention, in the context of severe climatic events.

570 million farms worldwide, and more than 3 billion people living in rural areas, could implement these practices.

BENEFICIARIES
Farmers (local family farms and farmers organizations) and foresters are essential to implement the solution.

Small scale farmers produce 70% of the world's food and, as such, have a key role to play in protecting the soil.

PARTNERS & MEMBERS**
The “4 per 1000” Initiative brings together 281 Partners including 149 Members (non-profit and non-commercial organizations) involved in the decision-making process.

* Agricultural and forest lands

** November, 2017