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# The 4 % Initiative :

## Soils for Food security and Climate

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# Why ?

## The Lima-Paris Action Agenda

- ⇒ The Lima-Paris Action Agenda : support players already engaged in climate action
- ⇒ Showcasing progress made
- ⇒ Encouraging new substantial commitments : new initiatives and players, in all sectors
  - **Agriculture has to be present in the LPAA.**
- ⇒ Inclusive, robust and ambitious initiatives
- ⇒ Official launch at COP21.



# What is 4‰ ?

## Soils for food security and climate »

- => A multi-stakeholder Initiative launched by France with the support of FAO.
- => A Lima-Paris Action Agenda Initiative
- => 1 objective : increase carbon sequestration in agricultural soils
- => 3 major outcomes:
  - **Ensure food security** : increase soil fertility
  - **Adapt** agriculture to climate change
  - **Mitigate** GHG emissions



# Increasing soil organic carbon : how ?



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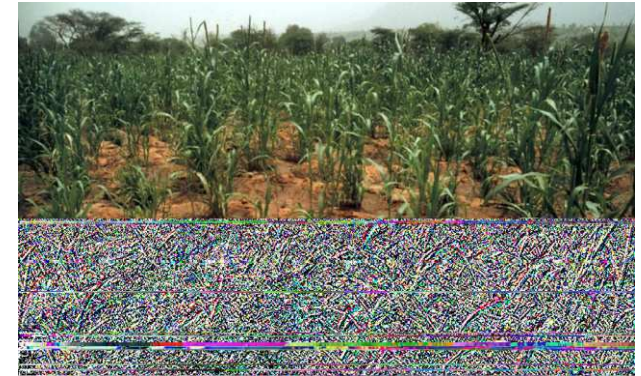


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Silvopastoral Systems in tropical regions :



Zaï holes in dry Lands:



Anti-erosive structures :



Conservation agriculture:



→ **Solutions do exist !**

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# The 4‰ initiative : 2 main pillars

1 / A multi-partner initiative involving all stakeholders

2 / An international research and scientific cooperation programme



# A multi-partner initiative involving all stakeholders

- => Agricultural practices at local level : restoration of soils, increase of organic carbon stock, protection of carbon rich soils and biodiversity
- => Training and outreach programs : encourage such practices
- => Funding projects : restore, improve and/or preserve carbon stocks in soils
- => Development and implementation of public policies and appropriate tools
- => Development of supply chains of soil-friendly agricultural products, etc.



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# An international research and scientific cooperation programme

4 complementary research themes :

- => **mechanisms and assessments** of the potential for carbon storage in soils across regions and systems
- => **assessment of best farming practices** for soil carbon and their impact on other greenhouse gases, on food security
- => **innovation** : support and dissemination
- => **monitoring and estimating** variations in soils carbon stock, especially at farmers level



# An inclusive and transparent governance

⇒ a collaborative platform

⇒ an executive committee

⇒ a scientific and technical committee





# The French agro-ecological project : an example of commitment

Ensure transition towards production systems economically, environmentally and socially efficient

- => A positive vision of agriculture : Combination of economic and environmental performance
- => Soils are a key factor : improve quantity of organic matters in soils through local adapted practices
- => A methodology : mobilize all the stakeholders :
  - A steering committee => gathering all partners
  - A comprehensive action plan co-built with partners: training, research and developement...



# 4‰ initiative : Who can join ?

=> Governments and local authorities => support the transition of agricultural systems : training, regulations, tools

=> Donors and private entities => support development projects

=> International research => develop the 4 actions

=> Private companies => eliminate from the supply chains products not compatible with the objectives

=> Farmers' organizations => encourage the adoption of new practices to store a larger amount of carbon

=> NGOs => identify, adapt and facilitate the dissemination of good practices and ensure that they meet expectations





## 4‰ initiative : what can I do ?

⇒ Go on <http://4p1000.org/> to register your commitment and support the « 4‰ initiative – soils for food food security and climate ».

Private companies can register their commitment here :  
<http://climateaction.unfccc.int/>

⇒ Invite other organizations and stakeholders to take action and join the Initiative

⇒ **Be with us in Paris on 1 December** for the official launch of the Initiative : Sign a joint declaration between all stakeholders.

