

The « 4 per 1000 » Initiative

General presentation

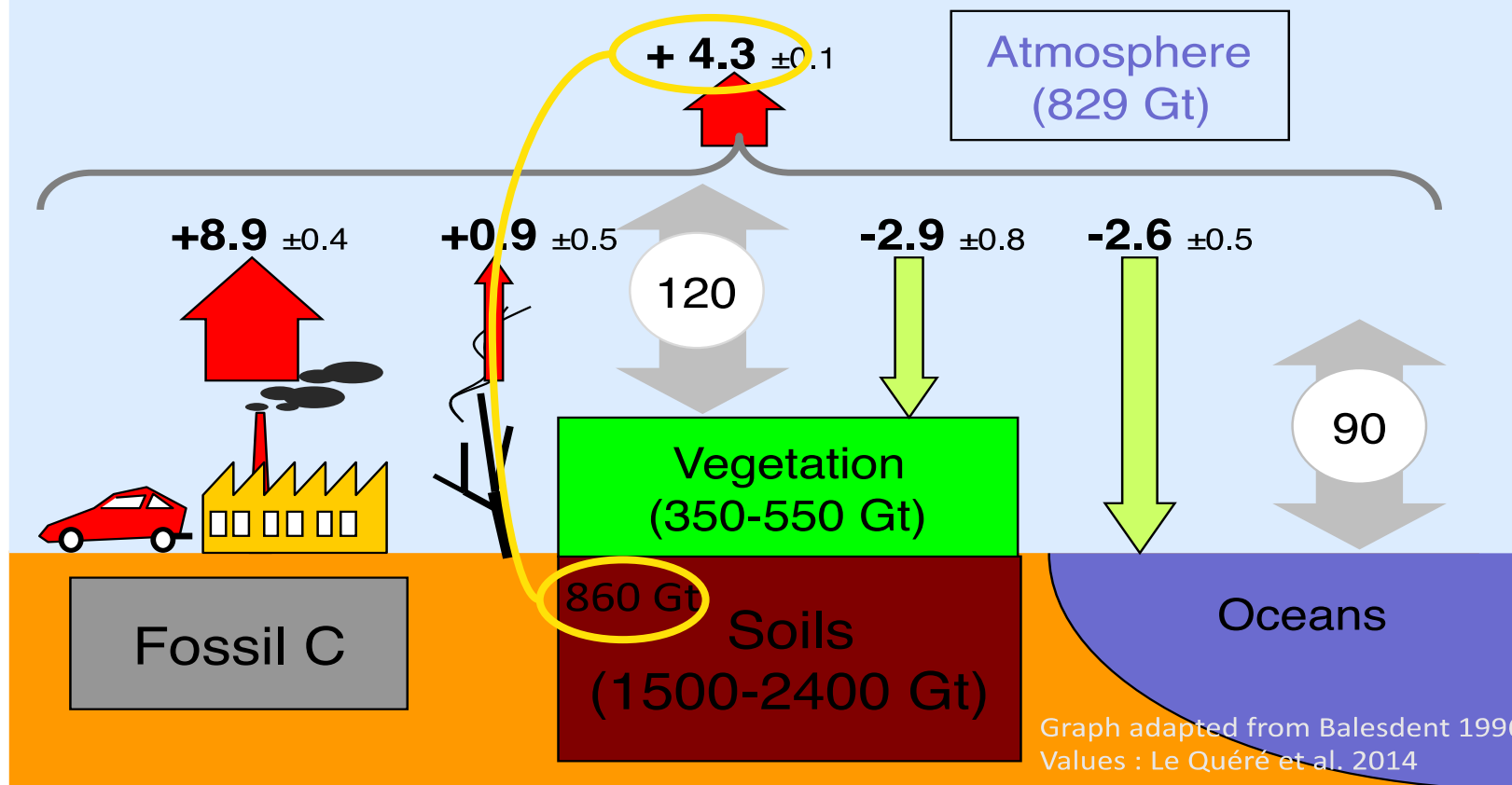
Paul LUU, Executive Secretary

April 4th, 2019



4/1000 : where does it come from?

Net fluxes earth/atmosphere ($\text{Gt C y}^{-1} = \text{Pg C y}^{-1}$)



An annual increase of 4 % of the world soil surface C stocks (860×0.004) would nearly compensate the annual CO_2 increase of the atmosphere

Why storing C in soils?

- **To Mitigate climate change**

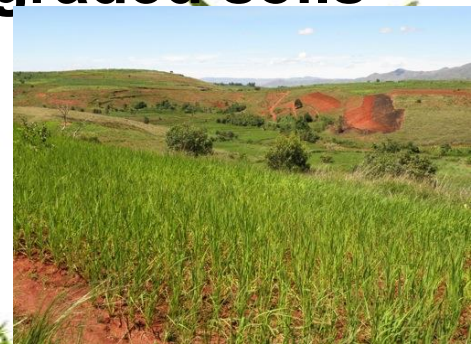
- Attenuate GHG emissions. OC can be stored in soils for decades to millenia
- Low cost negative emission technology

- **To Adapt to climate change**

- Soil organic matter increases water retention capacity by soils,
- decreases sensitivity to erosion

- **To Contribute to food security & restore degraded soils**

- Major role of soil organic matter in soil fertility
- Yields stability
- 30% world soils severely degraded (FAO - 2015)



Goals of the 4°‰ 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.



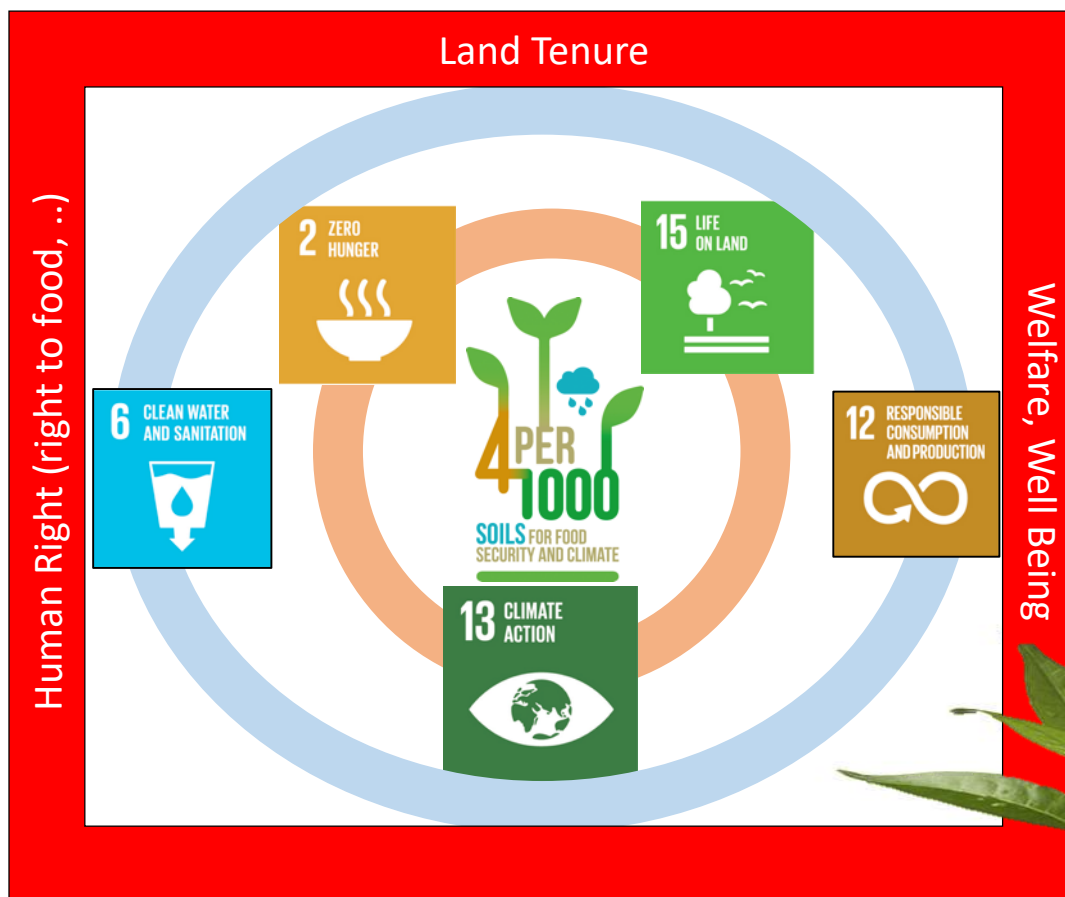
Targets of 4°/∞ and SDGs



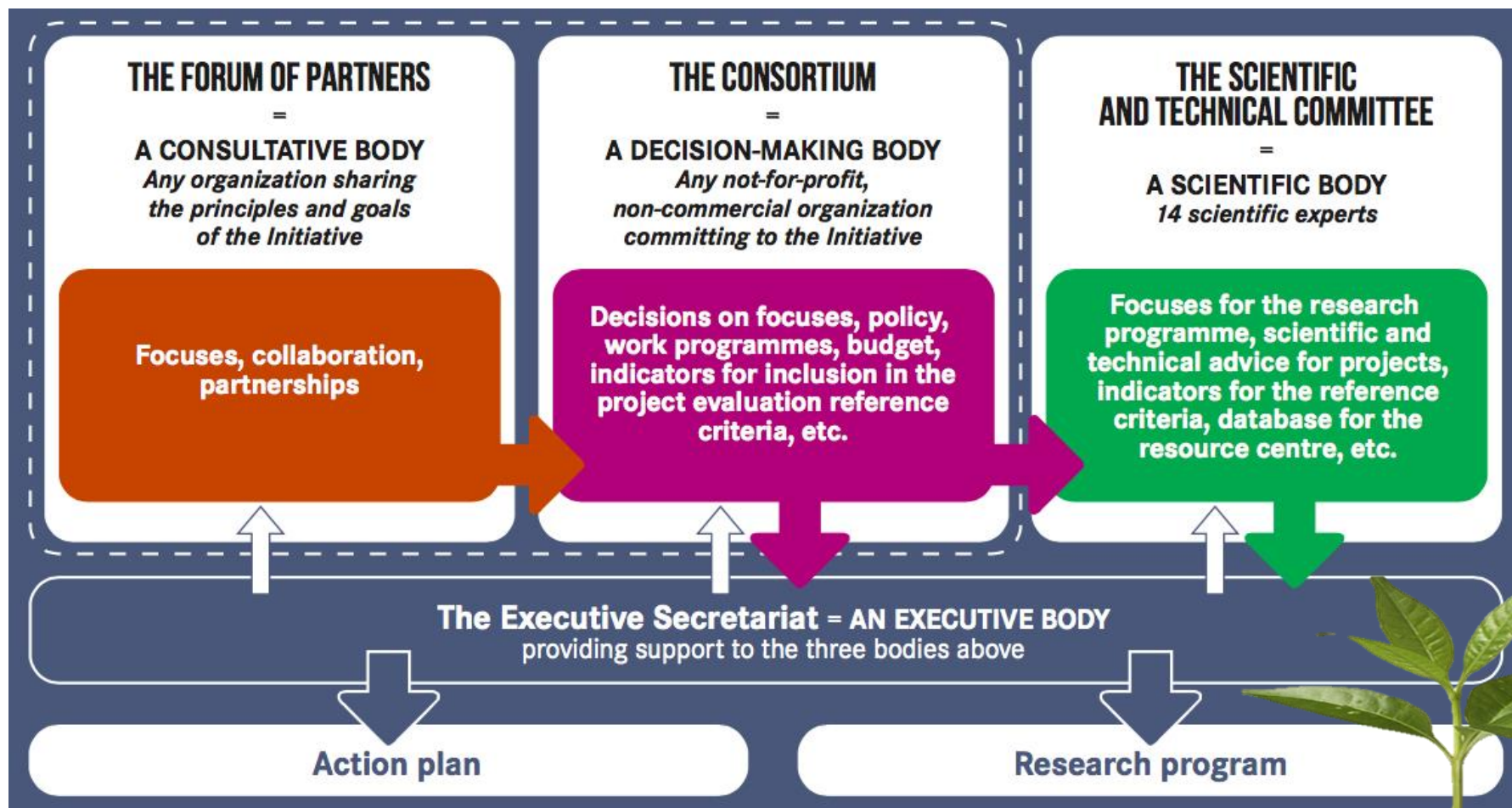
Direct TARGETS

ASSOCIATED TARGETS

Safeguard TARGETS: help
Ex-ante assessment to
avoid harmful impacts



Governance of the initiative



How to become a partner or a member ?

Paris - 2015

Declaration of Intention to support
« 4 per 1000 » Initiative



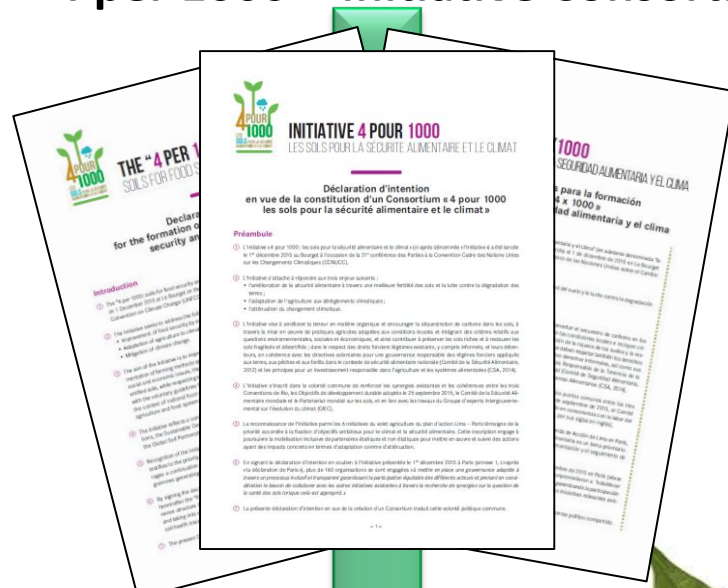
Signing to become a

PARTNER

and participate to the **FORUM**

Marrakesh - 2016

Declaration of Intention for the formation
of « 4 per 1000 » Initiative Consortium



Signing to become a

MEMBER

and participate to the **CONSORTIUM**
(not open to commercial or for-profit organizations)



Some Partners & Members in 2018



AGENCE FRANÇAISE
DE DÉVELOPPEMENT



Asian Development Bank



Members
Partners





Partners & Members (Dec. 2018)

FORUM partners

359 signatories of the Paris Declaration

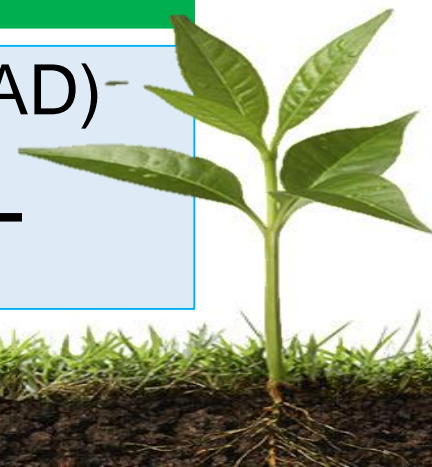
Including 42 countries & provinces, 12 international organizations, 14 foundations & development banks, 110 NGOs, 80 research & education bodies & Universities, 40 Farmers organizations and 61 enterprises

CONSORTIUM Members

Already 183 signatories of the Declaration of Intention n°2

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

Vice-Chair : **Mr. Stephane LE FOLL**
(ex - Min. Agriculture – France)



Scientific & Technical Committee

- Dr. **AMIRASLANI** Farshad – Socio-eco natural resource management (Iran)
- Professor **CHENU** Claire – Soil scientist – soil organic matter (France)
- Dr. **GARCIA CARDENAS** Magali – Agroclimatology (Bolivia)
- Dr. **HENRY** Beverley – Plant ecophysiologicalist & agroecosystem modelling (Australia) (*from Jan. 19*)
- Dr. **KAONGA** Martin – Agroforestry carbon biogeochemistry (Zambia)
- Dr. **KOUTIKA** Lydie-Stella – Soil scientist – soil organic matter (Rep of Congo)
- Dr. **LADHA** Jagdish – Soil fertility and plant nutrition (India)
- Dr. **MADARI** Beata – Soil scientist – C and N cycling (Brazil)
- Dr. **RUMPEL** Cornelia – Forester – terrestrial organic matter (Germany)
- Dr. **SHIRATO** Yasuhito – Agricultural and soil scientist (Japan)
- Professor **SMITH** Pete – Soils and global change (United Kingdom) (*until Dec. 18*)
- Professor **SOUDI** Brahim – Agronomist – soil science (Morocco)
- Dr. **SOUSSANA** Jean-François – Plant physiologist (France)
- Dr. **WHITEHEAD** David – Crop physiologist – forestry (New Zealand)
- Dr. **WOLLENBERG** Lini – Natural resource management (USA)

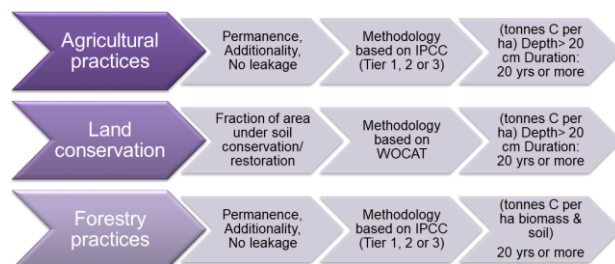


A world map with a light gray background. Countries where STC members are coming from are highlighted in green. These include the United States, Canada, Brazil, France, Germany, the United Kingdom, India, China, Australia, and several countries in Africa and Europe. A small green plant with four leaves is growing from the bottom right corner of the map. The text "Countries where STC members are coming from" is written in green on the right side of the map.

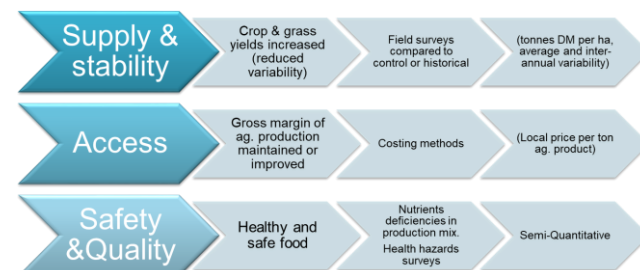
Set of reference criteria for evaluation of projects & actions

Criteria, indicators, methods and units

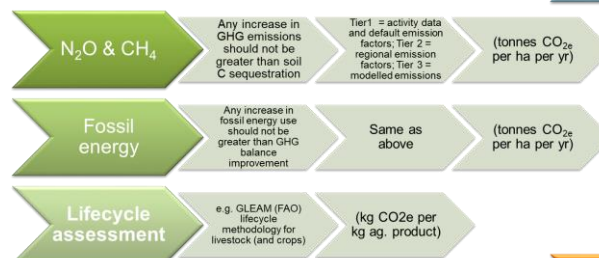
Soil carbon and land conservation or restoration



Food security



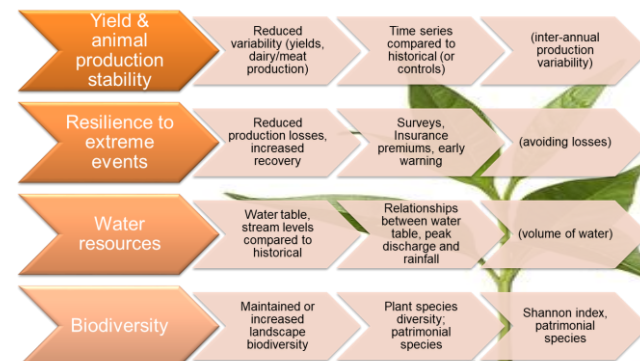
Mitigation



Safeguards

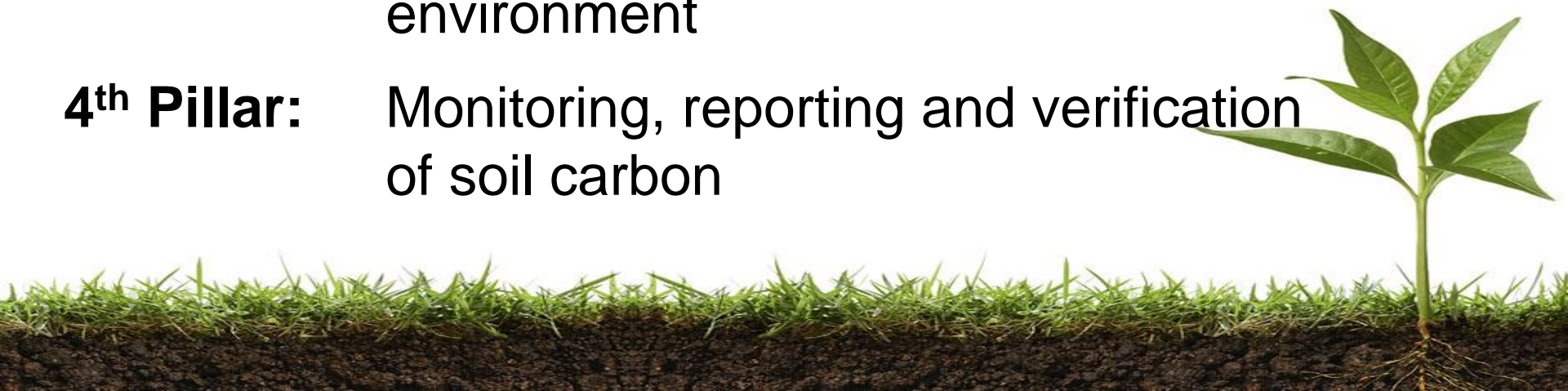


Adaptation



The Four pillars of the International Research and Scientific Cooperation Program

- 1st Pillar:** Estimating the potential of soil carbon sequestration and associated benefits
- 2nd Pillar:** Developing practices adapted to specific soil and climate conditions
- 3rd Pillar:** Define and strengthen the enabling environment
- 4th Pillar:** Monitoring, reporting and verification of soil carbon





www.4p1000.org

HOME

ACT!

GET INVOLVED! ▾

NEWS & RESOURCES

EVENTS

EN ▾



WELCOME TO THE "4 PER 1000" INITIATIVE

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➔ WHAT IS THE "4 PER 1000" INITIATIVE

UNDERSTANDING THE "4 PER 1000" IN 3'30

WHY DO WE SPEAK OF "4 PER 1000"?

AGRICULTURE AS A WAY TO FIGHT AGAINST CLIMATE CHANGE

A PRIORITY: AGRICULTURAL SOILS FOR FOOD SECURITY AND CLIMATE

AN AMBITION: THE "4 PER 1000" FOR FOOD SECURITY AND CLIMATE

THE "4 PER 1000" AT A GLANCE

FINANCING PARTNERS

> WHAT IS THE "4 PER 1000" INITIATIVE



The international initiative "4 per 1000", launched by France on 1 December 2015 at the COP 21, consists of federating all voluntary stakeholders of the public and private sectors (national governments, local and regional governments, companies, trade organisations, NGOs, research facilities, etc.) under the framework of the Lima-Paris Action Plan (LPAP).

The Collaborative Platform

4p1000 collaborative work platform

COMMUNITY

ABOUT US

HELP & SUPPORT



Dashboard

Profile

Logout

Welcome to the
Collaborative Platform of
the 4 per 1000 Initiative

Sign in with your 4p1000 Login in the top/rightmost corner of this screen in order to access the full functionality of the Hub (and click the "Keep me logged in" option in order to bypass this screen in the future)

Connectez-vous avec votre Login 4p1000 dans le coin supérieur droit de l'écran afin d'accéder aux fonctionnalités complètes du Hub (et cochez l'option "Keep me logged in - gardez-moi connecté" afin de passer cet écran dans le futur)

Inicie sesión con su nombre de usuario 4p1000 en la esquina superior / derecha de esta pantalla para acceder a todas las funciones de la plataforma (y haga clic en la opción "Mantenerme conectado" para omitir esta pantalla en el futuro)

WELCOME TO THE COLLABORATIVE PLATFORM OF THE 4 PER 1000 INITIATIVE

This platform allows the members of the Initiative to get in touch, to discuss, debate and exchange knowledge, and possibly to collaborate together to set up concrete joint projects.

If you have joined the Initiative 4 per 1000 by becoming a member of the forum, you have been automatically registered on the platform and an official login + temporary password has been communicated to you by email...

If you have forgotten this information or accidentally deleted the email that contained it, send an

BIENVENUE SUR LA PLATEFORME COLLABORATIVE DE L'INITIATIVE 4 POUR 1000

Cette plateforme permet aux membres de l'Initiative de rentrer en contact, de discuter, débattre et échanger des connaissances, voire éventuellement de collaborer ensemble pour monter des projets concrets communs.

Si vous avez rejoint l'Initiative 4 pour 1000 en devenant membre du forum, vous avez été automatiquement inscrit sur la plateforme et un login officiel + mot de passe temporaire vous a été communiqué par email.

BIENVENIDO A LA PLATAFORMA DE TRABAJO COLABORATIVO DE LA INICIATIVA 4 POR 1000

Esta plataforma permite a los miembros de la Iniciativa ponerse en contacto, discutir, e intercambiar conocimientos, y posiblemente colaborar juntos para desarrollar proyectos conjuntos concretos.

Si se ha unido a la Iniciativa 4 por 1000 al hacerse miembro del foro, se ha registrado automáticamente en la plataforma y se le ha enviado un nombre de usuario de acceso oficial + contraseña temporal por correo electrónico.

International meetings identified as priority for the Initiative in 2019

Meetings	Dates	Place	Country
« 4 per 1000 » Asia Regional Meeting	Mid-May	Shiga (TBC)	Japan (TBC)
STC n°7	End of May	Montpellier	France
STC n°8	9th & 10th December	TBC	Chile
Forum n°4	11th December	TBC	Chile
Consortium n°5	11th December	TBC	Chile
New England Agriculture and Climate Symposium	Begining 2020	Boston	USA
« 4 per 1000 » Mediterranean Regional Meeting	2nd semester or 2020	TBC	Tunisia or other Mediterranean Country





Thank you for your attention....

