



Food and Agriculture
Organization of the
United Nations

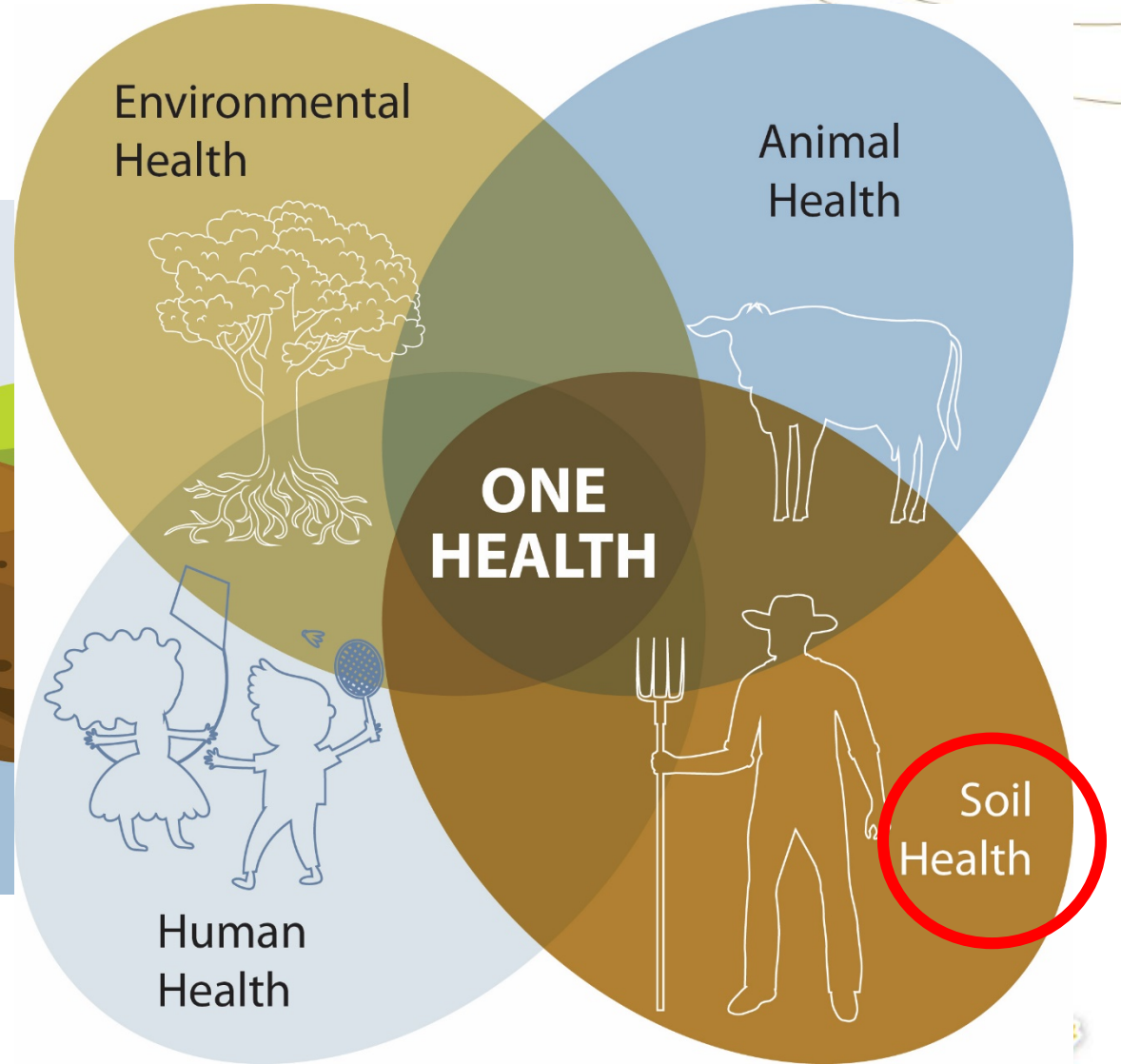
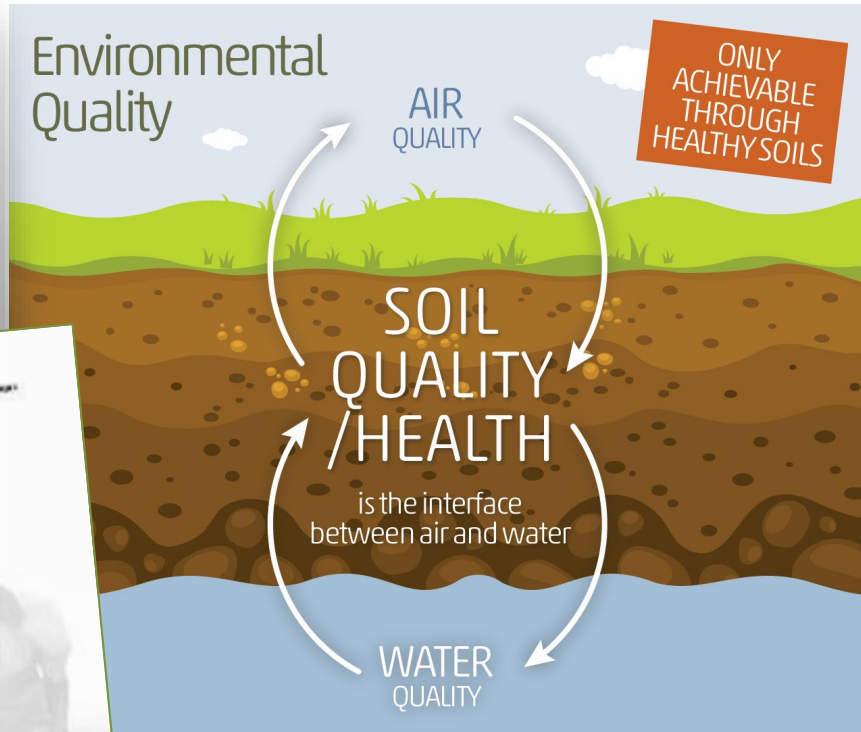
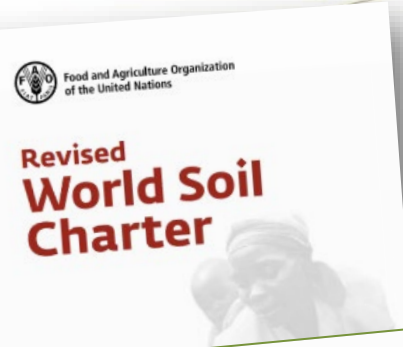
INTRODUCTION

of the Global Soil Partnership's structure and main areas of work

Promoting sustainable soil management for all

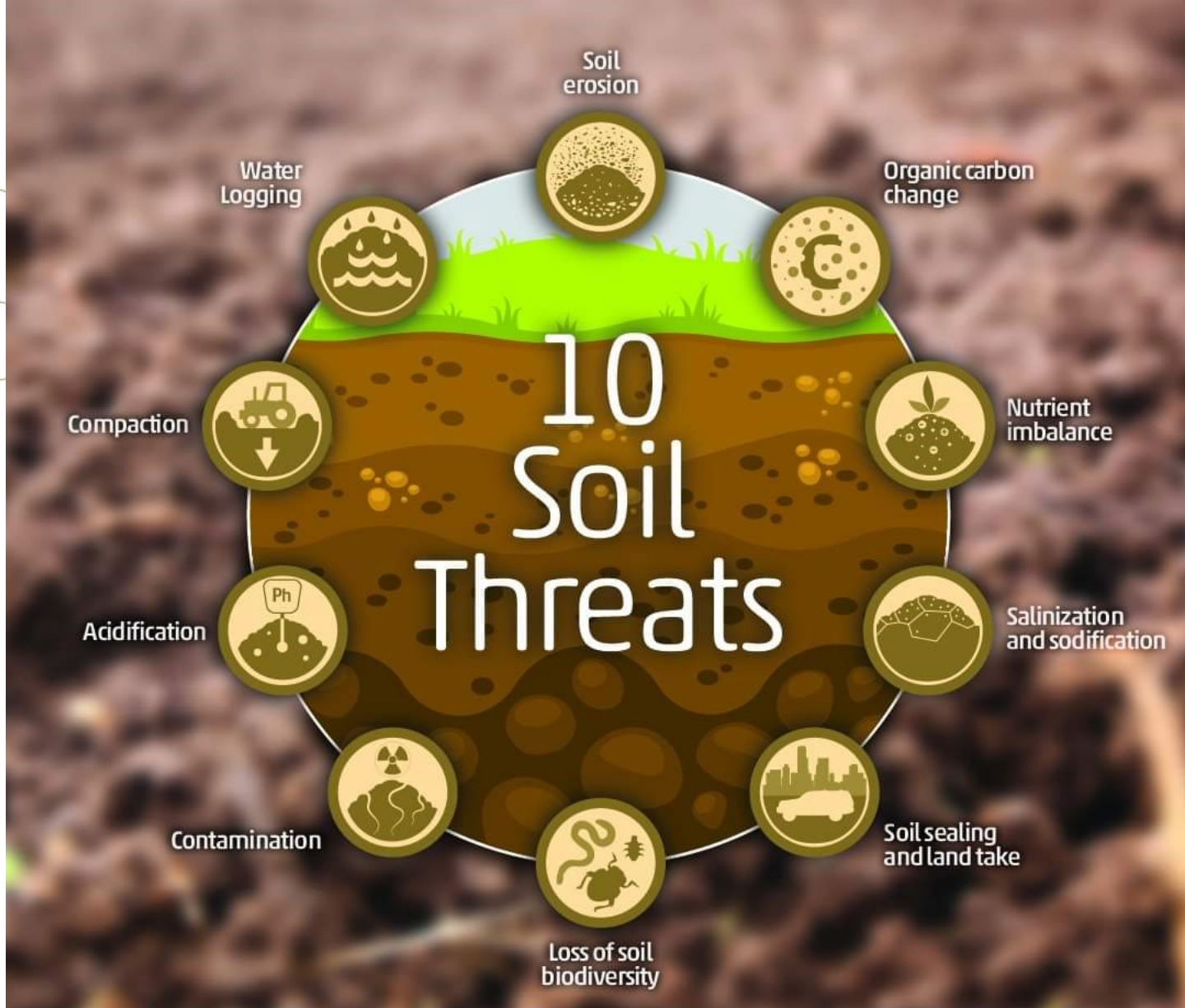


“One health” approach



Promoting sustainable soil management for all





10 основных угроз здоровью почв:

- Эрозия
- Дегумификация
- Потеря питательных элементов
- Засоление/осолонцевание
- Запечатывание и изъятие почв
- Потеря биоразнообразия
- Загрязнение
- Подкисление
- Переуплотнение
- Переувлажнение

Глобальное почвенное партнерство

- A mechanism to develop a **strong partnership** and enhance **collaboration** between all stakeholders
- With the common objective of improving **soil governance** and promoting **sustainable soil management**.
 - 8 regional partnerships, over 370 partners worldwide
 - 160 focal points appointed directly by FAO Members
 - High-level group of experts (ITPS)
 - Working groups on soil information, soil organic carbon, soil pollution, soil erosion, soil biodiversity, soil salinity, soil legislation, etc.

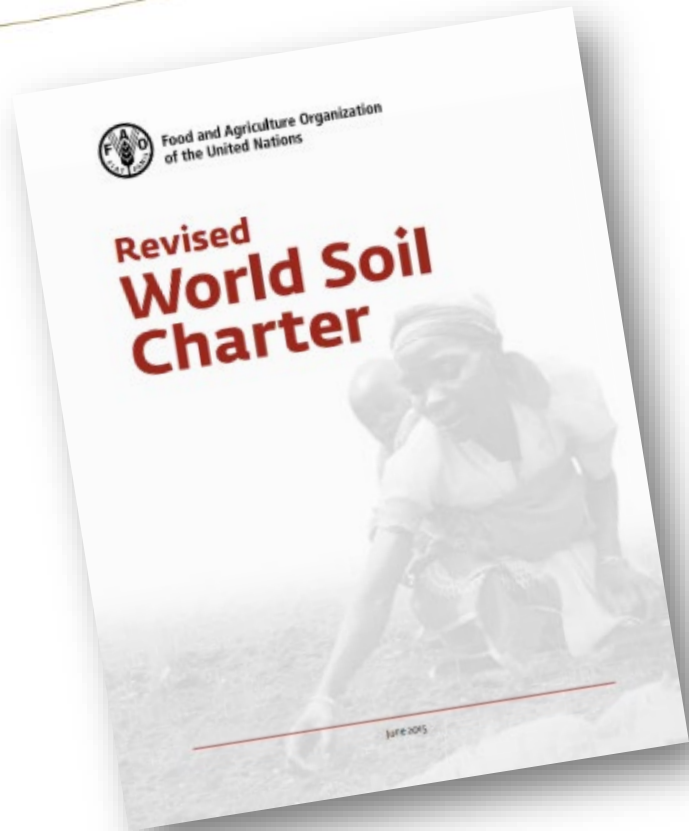


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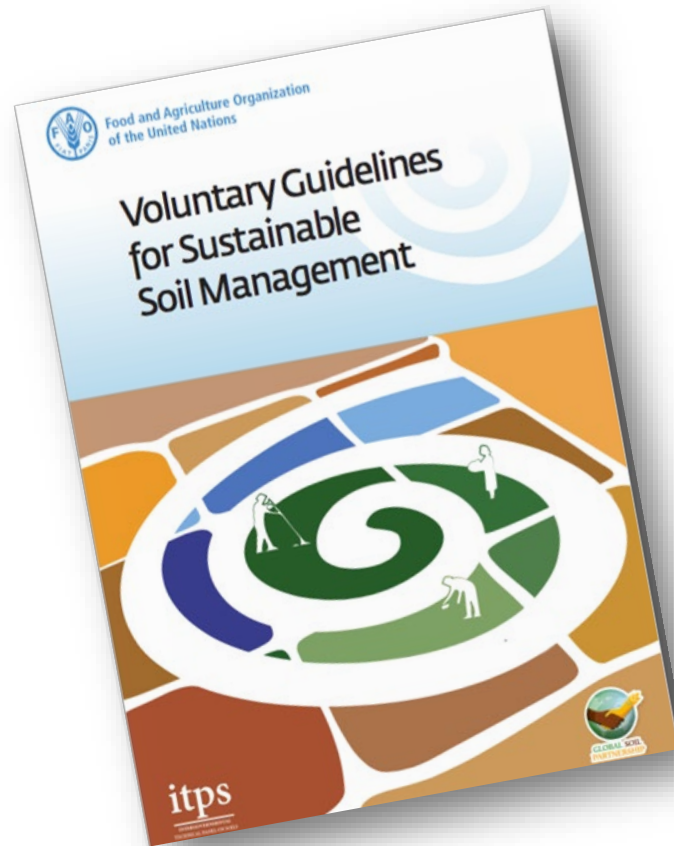


Normative tools

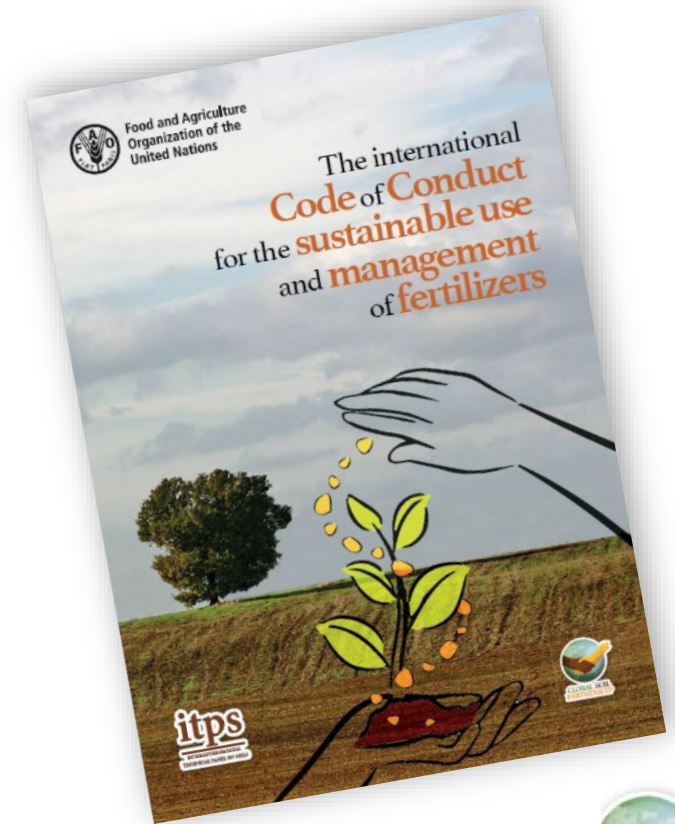
to address soil degradation & provide solutions through Sustainable soil management



2015



Promo 2017



2019



GSP Action Framework 2022- 2030

✓ Vision

A world whose soils are **healthy and resilient**, ensuring the sustained provision of ecosystem functions and services for all, leaving no one behind.

To this end, the GSP must work to **improve and maintain the health of at least 50 percent of the world's soils by 2030.**

✓ Mission

To facilitate **improved governance** of the limited soil resources of the planet and guarantee the provision of healthy soils for a food secure world, as well as support other essential ecosystem functions and services, in accordance with the sovereign right of each State over its natural resources.

Promoting sustainable soil management for all



GSP Action Framework 2022- 2030

✓ 6 Action areas

- Manage sustainably and restore soils for the provision of ecosystem services
- Strengthen soil governance
- Promote knowledge and literacy on soils
- Promote awareness raising and advocacy on soil health
- Assess, map, and monitor soil health in a harmonized way
- Foster technical cooperation (including gender and youth)

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Seven technical networks

Technical networks

GLOSOLAN
Global Soil Laboratory
Network



INBS
International Network
of Black Soils



INFA
International Network
on Fertilizer Analysis



INSAS
International Network
of Salt-Affected Soils



INSII
International Network
of Soil Information
Institutions



NETSOB
International Network
on Soil Biodiversity



INSOP
International Network
On Soil Pollution



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Sustainable Soil Management

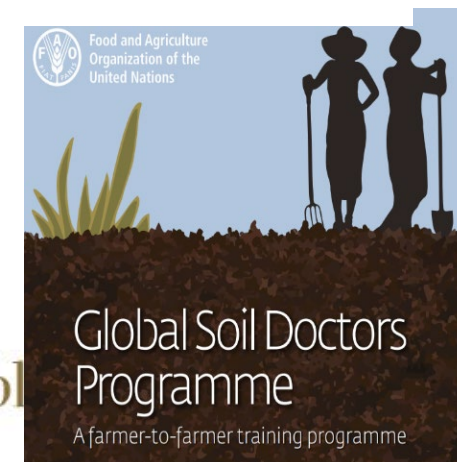
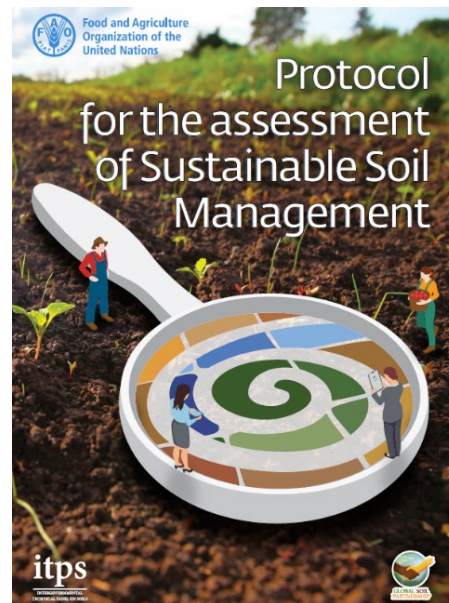
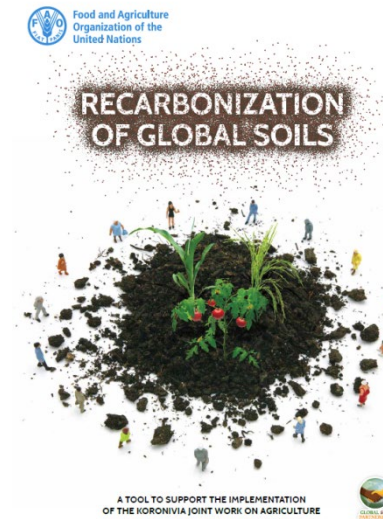
Implementation



Measurement



Dissemination

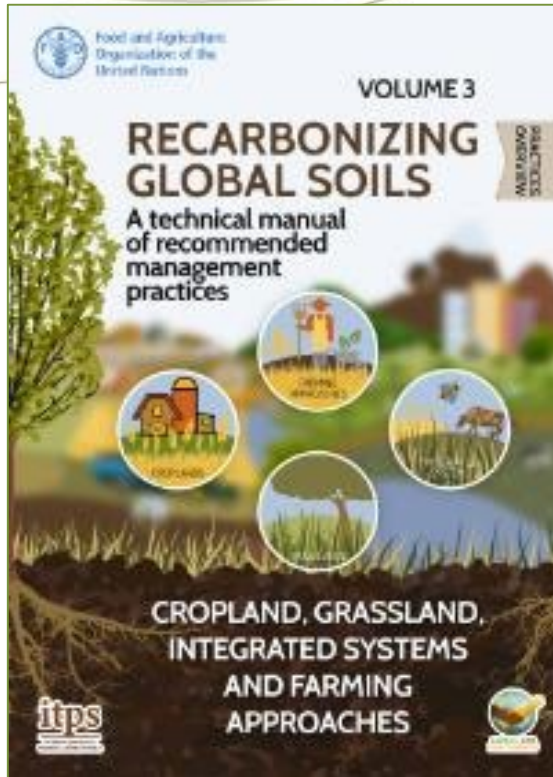


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for all



Практики, способствующие сбережению углерода в почвах



Органический покров на почве

1. Покровные культуры
2. Органическая мульча

Диверсификация культур

3. Севообороты
- 4-5. Междурядные посевы

Обработка почвы

6. Ноу-тилл
7. Почвоохранная, уменьшенная или поверхностная обработка
8. Полосная, точечная, зонированная обработка

9. Обработка без оборота пласта

Управление питательными веществами

10. Внесение навоза
11. Внесение дигестата
12. Внесение компоста
13. Внесение осадков сточных вод
14. Минеральные удобрения (макро- и микроэлементы)
15. Фертигация
16. Комплексное управление питательными веществами

Биочар

17. Биочар

Биологические средства

18. Внесение биоудобрений
19. Инокуляция червями
20. Внесение жуков

Химические добавки

21. Известкование кислых почв
22. Внесение гипса в солонцовых почвах

Противоэрозионные мероприятия

23. Террасирование
24. Водосборные плотины
25. Полезащитные лесополосы
26. Живые изгороди и буферные полосы
27. Предотвращение неправильного

перемещения земли перед посадкой древесных культур

Ирригационные мероприятия

28. Адекватные ирригационные практики

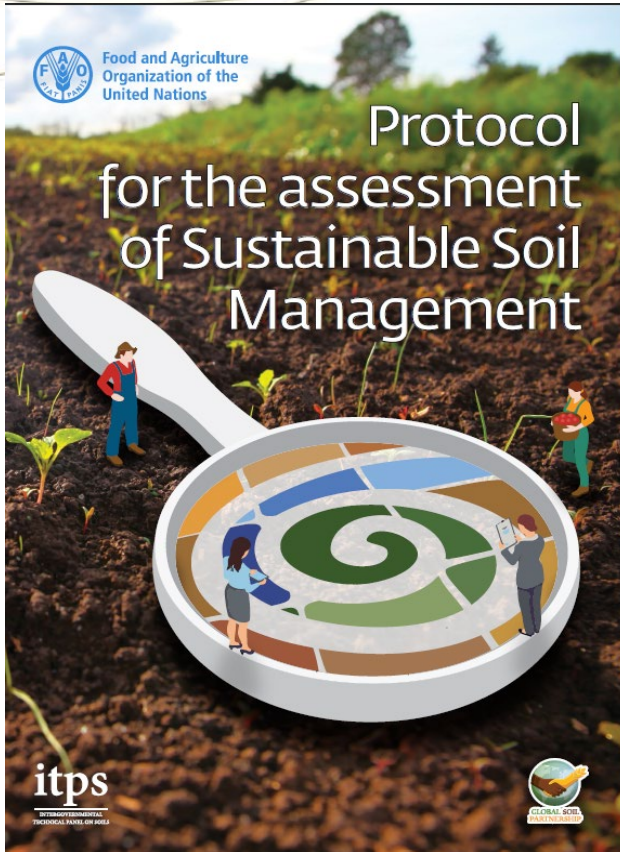
Ограничение нарушения почвенного

29. Контролируемое передвижение с/х техники

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Protocol for the assessment of sustainable soil management



Key indicators:

- ✓ Soil productivity (biomass of dry matter)
- ✓ Soil organic carbon
- ✓ Bulk density
- ✓ Soil respiration rate

+ 10 additional indicators specified by onsite soil condition

- ✓ Plant available P
- ✓ Soil erosion
- ✓ Soil salinity
- ✓ Soil biological activity
- ✓ Soil biodiversity
- ✓ Soil pH
- ✓ Available water capacity
- ✓ Soil infiltration rate
- ✓ Soil penetration resistance
- ✓ Soil pollution

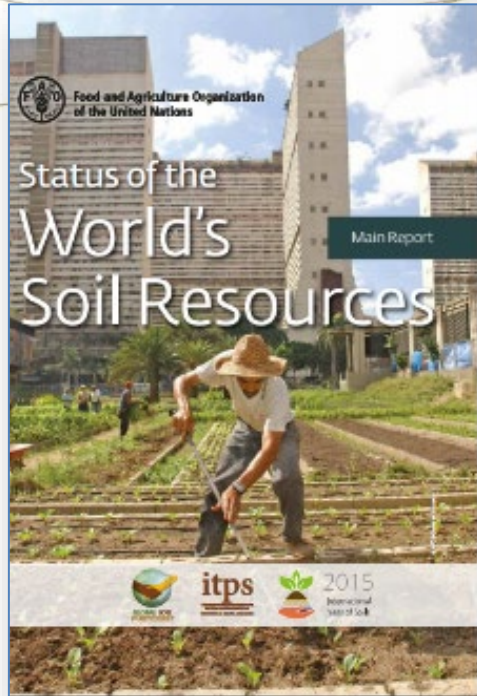
Available at:

http://www.fao.org/fileadmin/user_upload//GSP/SSM/SSM_Protocol_EN_006.pdf

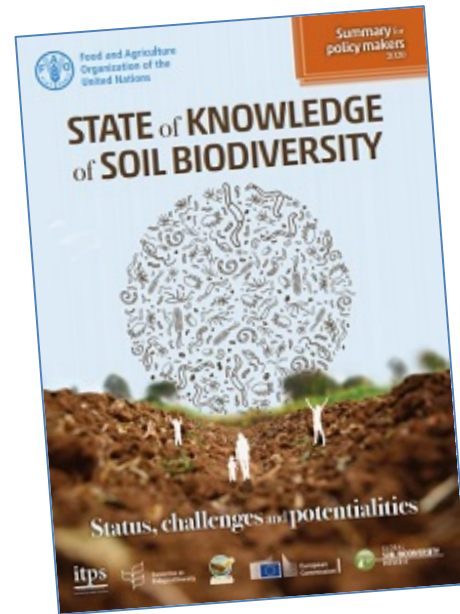
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Global Assessments



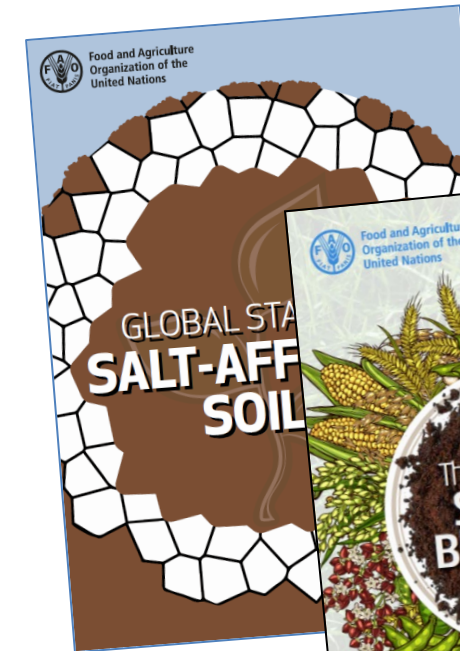
2015



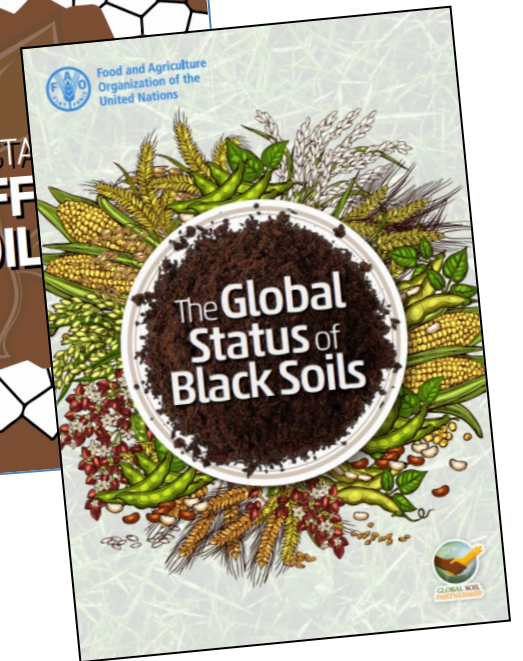
2020



2021



Coming

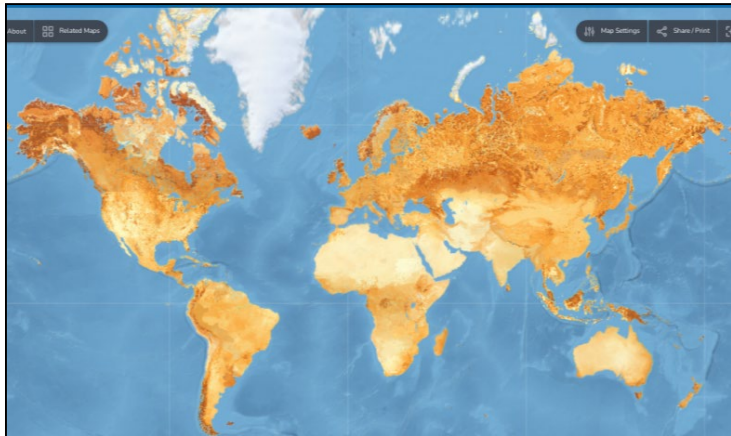


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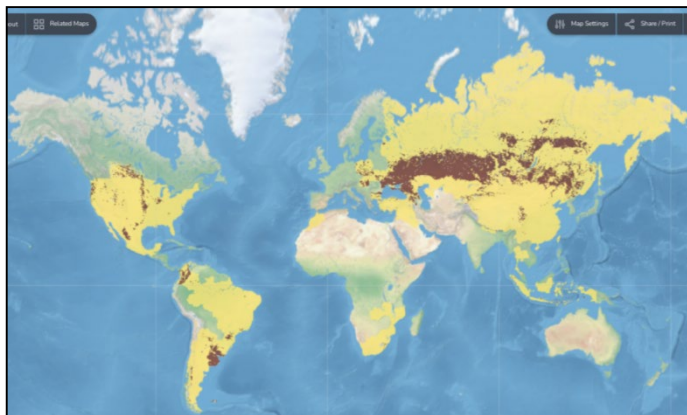


Глобальные карты – страновой подход

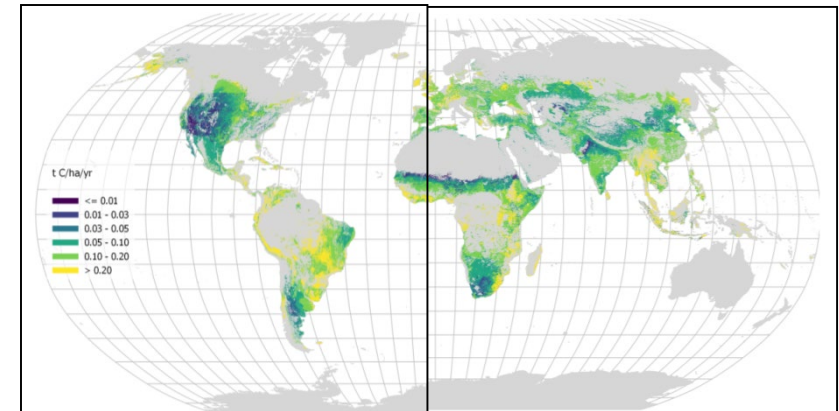
Карта органического углерода почв



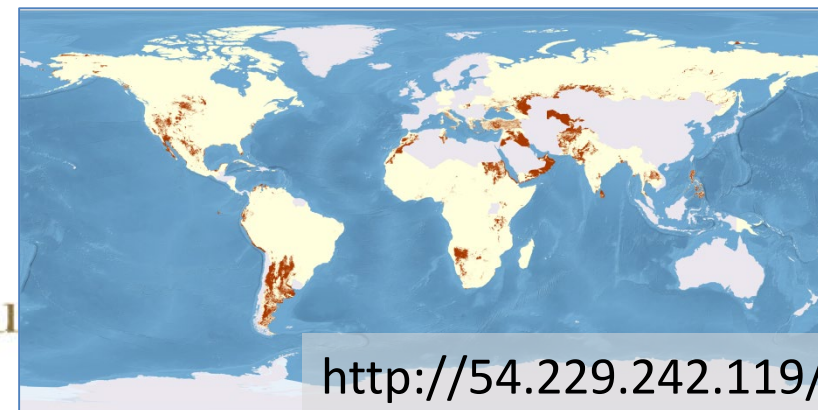
Карта черных почв



Карта потенциала секвестрации углерода в почвах с/х земель



Карта засоленных почв



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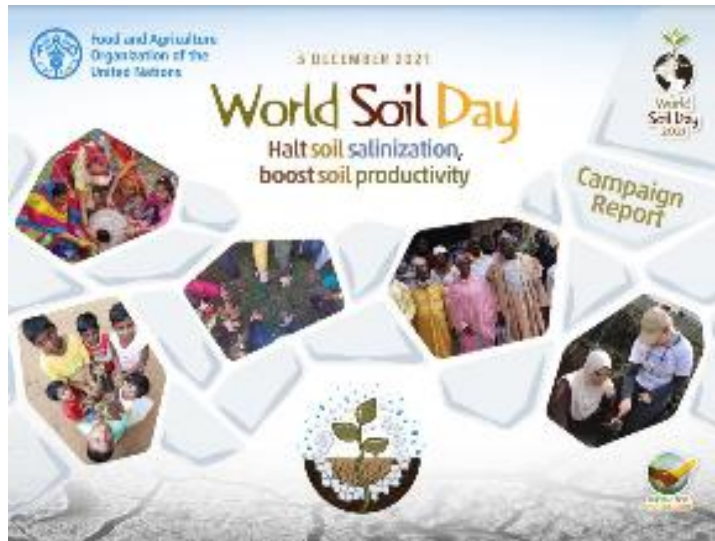
<http://54.229.242.119/GloSIS/>



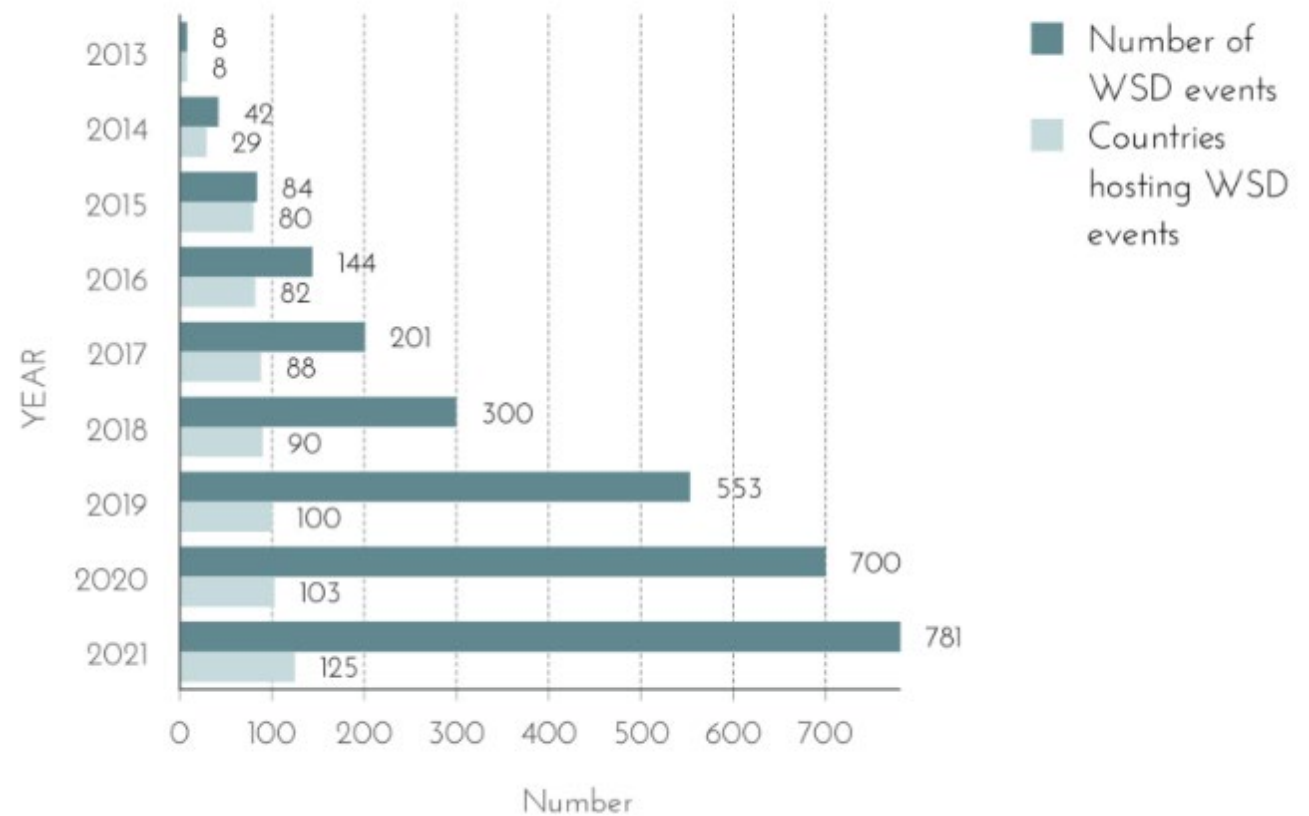
GLOBAL SOIL

World Soil Day (December 5)

- ❖ More than **125 countries** involved
- ❖ **25 official celebrations** of FAO offices
- ❖ **781 events** registered on the WSD map



Number of Events: 2013-2021



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