



Food and Agriculture
Organization of the
United Nations

GSP – Soil Information and Data (SID)

PACIFIC SOIL PARTNERSHIP

Promoting sustainable soil management for all





Area of Work: Soil Information & Data (SID)

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GSP - area of work: Soil Data and Information



Soil Data is essential for...

- Global challenges, e.g. Earth-System **Models**
- National and regional data-driven **policy-making**
- Field operations, e.g. to optimize **fertilizer** and **pesticide applications**

However...

Soil Data is...

- Not harmonized
- Not updated regularly
- **Fragmented** among and within Institutions

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GSP - area of work: Soil Data and Information

Global Data Products

4 

36 Map Layers

Country
Driven

System Development

7 

National Soil Information
Systems (TCP)

Digital
Transformation

Capacity Development

60 

Training Workshops

DSM, Product
Oriented

Capacity Development

1200+


National Experts

Large Expert
Network

Publications

12 

Key Publications

Technical,
Scientific

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GloSIS Country-driven Global Data Products



- ✓ GSOCmap v1.0 (2017) ... V1.5 (2019) ... V.1.5 (2020)
- ✓ GSASmap v1.0 (2021)
- ✓ GSOCseq v1.1 (2021)
- ✓ GBSmap v1.0 (2022)
- ⊙ GSERmap & GSNmap

Kick-off

25%

50%

75%

100%

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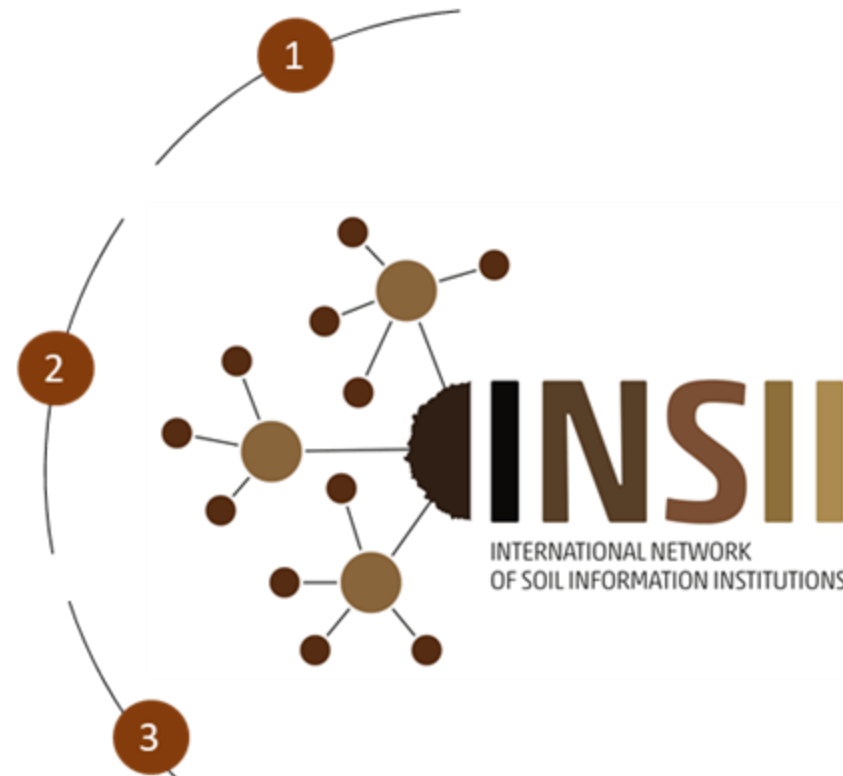


The International Network of Soil Information Institutions (INSII)

is composed by nationally mandated institutions and GSP partners developing the Global Soil Information System (GLOSIS).

Main Functions:

- 1 **Identify and nominate National Experts** to support the efficient implementation of the SID Activities
- 2 **Provide access to soil geographic information** in order to populate the products of the Global Soil Information System (GloSIS) under specified conditions.
- 3 **Support the process by providing overall guidance** and advising on matters related to funding and implementation of actions.



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Capacity Development



Capacity Development

1200+



National Experts

60+



Training Workshops



140+ Countries

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International Network of Soil Information Institutions (INSII)

National Focal points are kindly invited to confirm that the current contact Network for INSII is up to date and complete:

<https://docs.google.com/spreadsheets/d/1WLFy34ucMNXpSF-8lbldheGD0RKYKz5Djv6lw5xC-mc/edit?usp=sharing>

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The Global Soil Nutrient and Soil Nutrient Budget Map - GSNmap -

Historically **high input prices** have been driven by the current global challenges

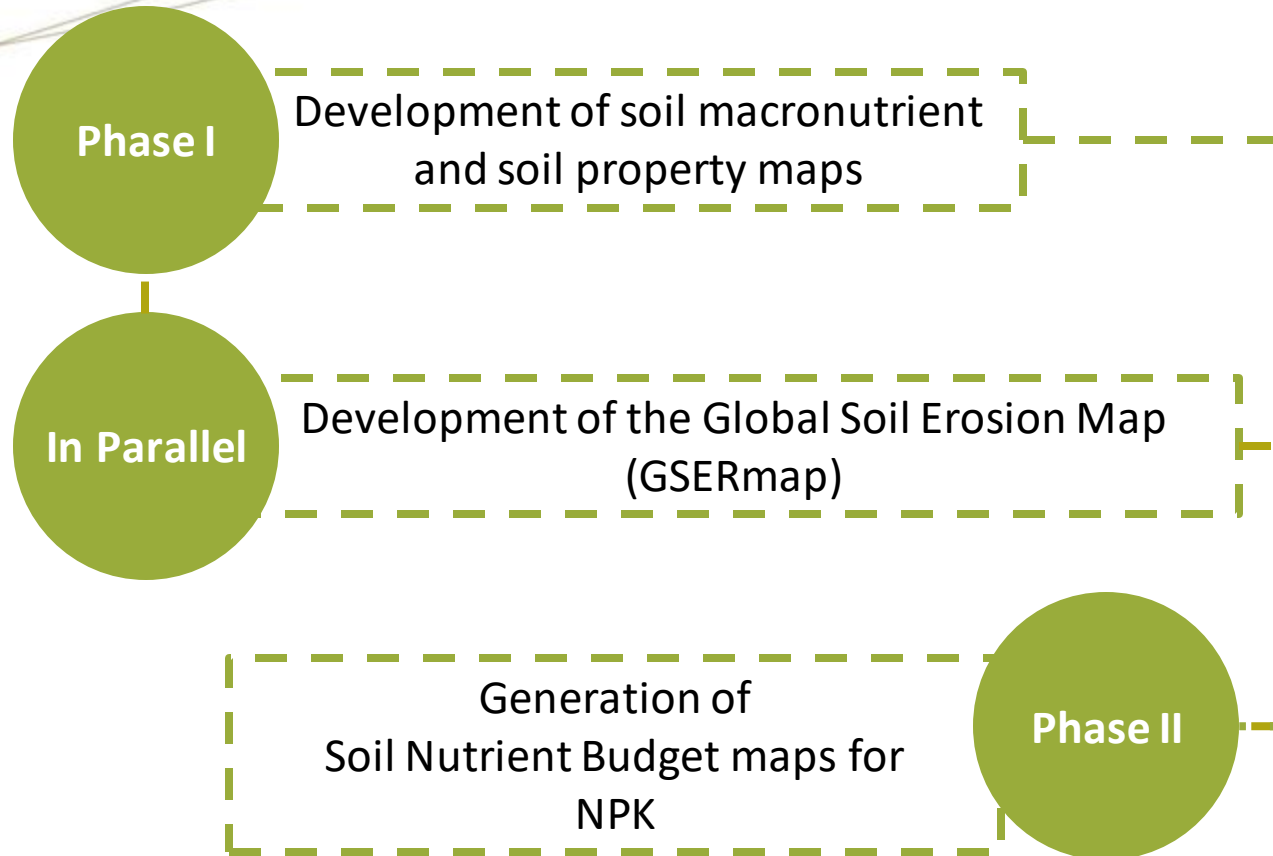
Data-driven management solutions are needed to boost **farmer resilience** (e.g. localized fertilizer recommendations)

The **GSNmap** will provide **soil nutrient as well as soil nutrient budget maps** to optimize the sustainable management of soil nutrients

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GSNmap – Two phase approach:



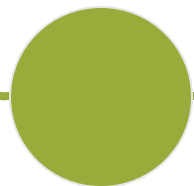
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GSP Members
request for
GSNmap

Global, Country-driven – *Of the **countries, by the **countries**, for the **countries*****



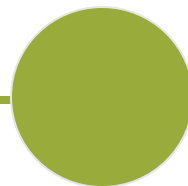
Methodology

Definition of a methodology
through the support of the
GSP's technical networks,
Working groups and the ITPS



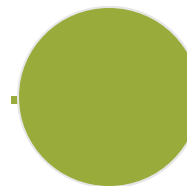
Technical specifications and country guidelines

Publication and divulgation to
define a standardized approach



Capacity Building Program

Online Technical Manual
Online regional training &
follow-up one to one
technical sessions with
National Experts



National Submission

Quality assessment and
quality check of the
submitted maps



**GSNmap
Products**

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Global, Country-driven – *Of the **countries**, by the **countries**, for the **countries***

GSNmap

Expert nomination: <https://forms.gle/PADLtfB3nqEApifU9>

GSEmap

Expert nomination: <https://forms.gle/fe7VcQPPvWVMhHYi7>

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Useful Links:

🌐 National Focal points are kindly invited to confirm that the current contact Network for INSII is up to date and complete:

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🌐 GSNmap National Expert nomination: <https://forms.gle/PADLtfB3nqEApifU9>

🌐 GSERmap National Expert nomination: <https://forms.gle/fe7VcQPPvWVMhHYi7>

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