



Soil fertility mapping for guiding fertilizers recommendation

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Global Symposium on Soils for Nutrition | 26-29 July 2022





**A CENTURY
OF COMMITMENT TO A
SUSTAINABLE PLANT NUTRITION
& SUSTAINABLE TRANSFORMATION
OF FOOD SYSTEMS**

**FEEDING SUSTAINABLY
THE EARTH TO FEED THE
PLANET**



Soil is Life!!!

**Soils are the farmers' capital asset,
Take care of your soil it will take care of you**



About 65% of SSA agricultural land is degraded, mainly due to low nutrient application, soil erosion and soil acidification

Annual economic losses of 58 Billion\$

Soil is a complex living system and a non-renewable

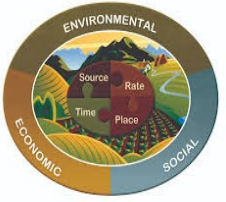
→ Need for a holistic and customized approach to manage soil fertility and be consequence human nutrition and wellbeing



Quality of the soil determines the quality of human health



CUSTOMIZATION APPROACH IS HOLLISTIC APPROACH to provide adapted PRODUCT AND solutions, SUPPLIED THROUGH AN ADAPTED SUPPLY CHAIN



Farmer practices

Assessment of current agronomical practices vs plant needs

Soil nutrients

Soil nutrients' assessment in targeted area of interest

Scope Selection

Strategical crops/area of interest and partners

Agronomic tests

Conduct validation trials of developed formulas

Adequate Supply Chain

Adequate dissemination & Digital Link

Through the whole service offer : OSL, Agribooster, Agripromoters, Farmer House EMAY, Digital platform for farmers


Site & Crop Specific Fertilizers formulas (Registration)


+1,3 MILLION Farmers reached






EMPOWERING AFRICAN FARMERS WITH THE KNOWLEDGE AND CAPACITY TO PRACTICE SUSTAINABLE PLANT NUTRITION



MALI 
✓ 2 Mha Mapped
✓ +15 % Grain yield increase




SENEGAL 
✓ 1,3 Mha Mapped
✓ +25% Grain yield increase






GUINEE 
✓ 1,2 Mha Mapped


BURKINA 
✓ 100 000 ha Mapped

TOGO 
✓ 1,9 Mha Mapped

NIGERIA 
✓ 21,3 M ha Mapped
✓ 44% Grain yield increase




CAMEROUN 
✓ 100 000 ha Mapped

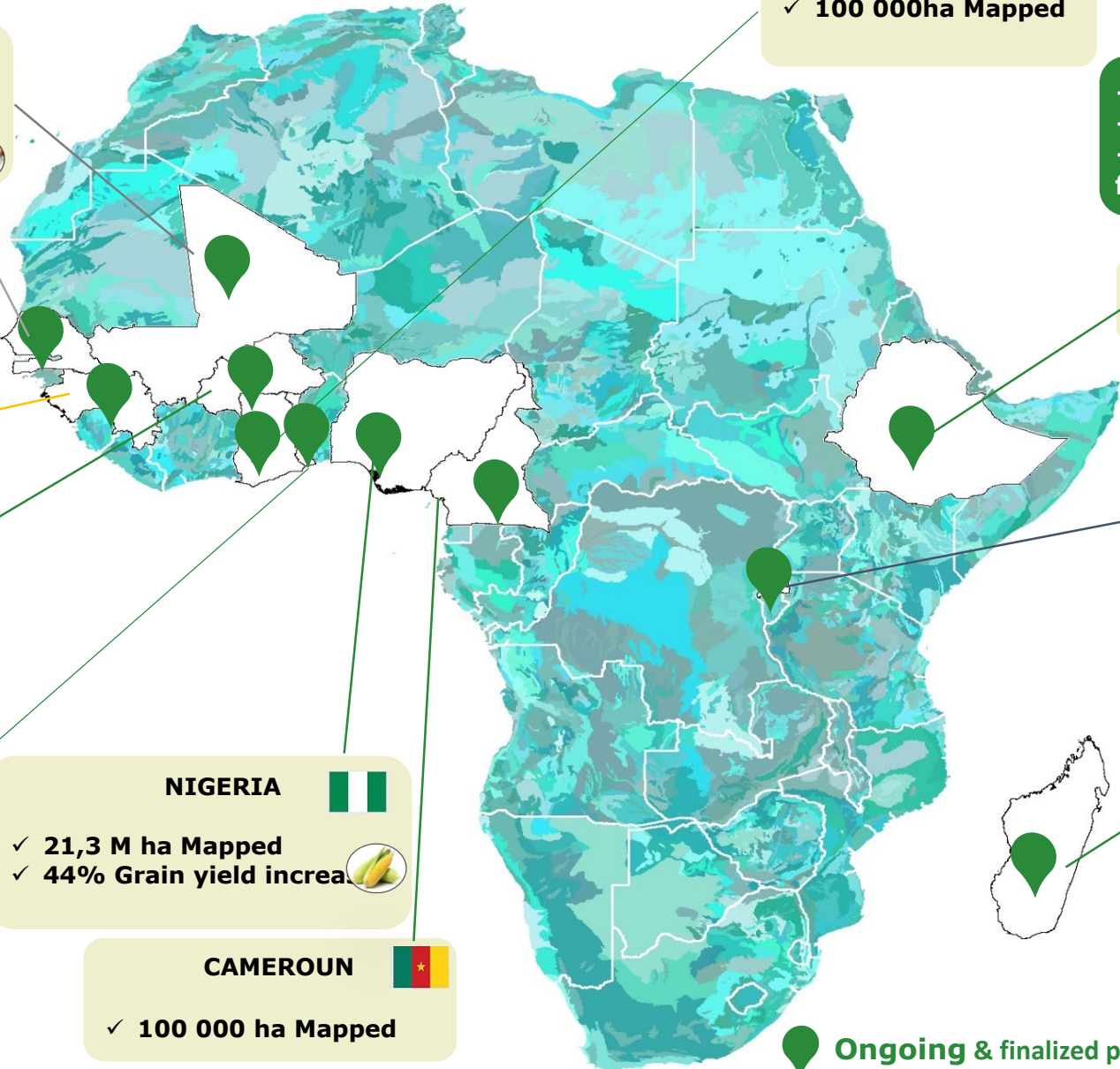
GHANA 
✓ 100 000ha Mapped

+29 Millions Ha mapped
+5 000 trials performed
+27 new Site & Crop specific fertilizer formulas developed

ETHIOPIE 
✓ 100 000 ha Mapped

RWANDA 
✓ 50 000 ha Mapped

MADAGASCAR 
✓ 100 000 ha Mapped



 Ongoing & finalized project

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Benefits

06

Food security improved.

05

Quality human nutrition:
addressing the hidden hunger.

04

Decrease the environmental impact
of non-targeted fertilizer use.

01

02

01

Improved Yields in the areas of interest.

02

Higher incomes for the farmers.

03

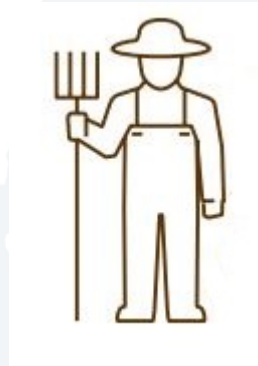
Adoption of good agricultural practices.

06

05

04

03



Partners



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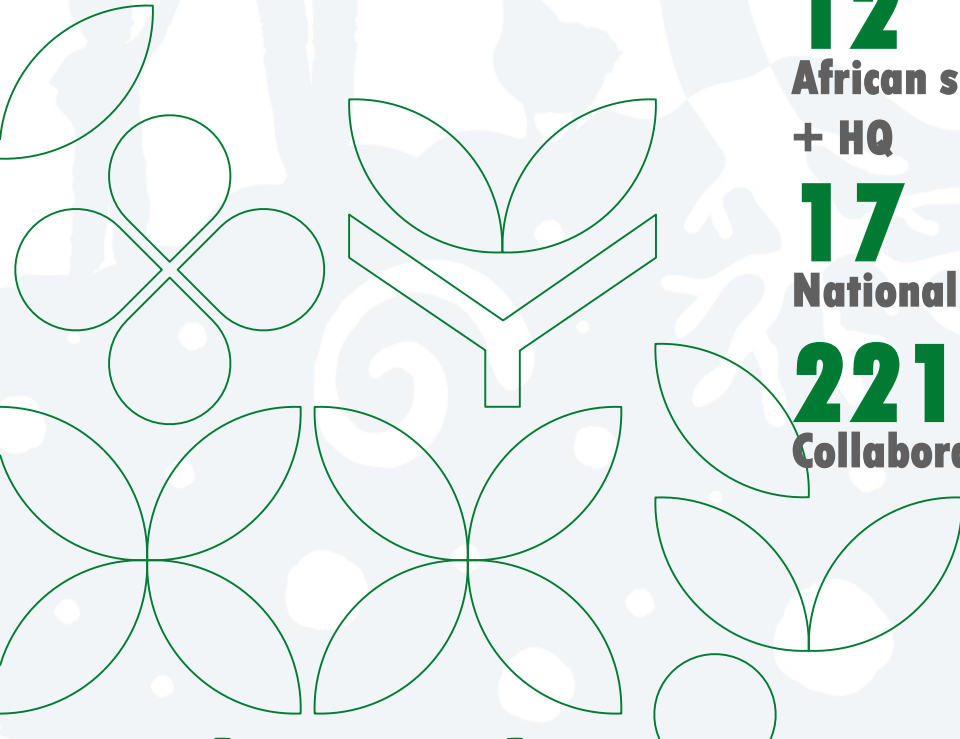
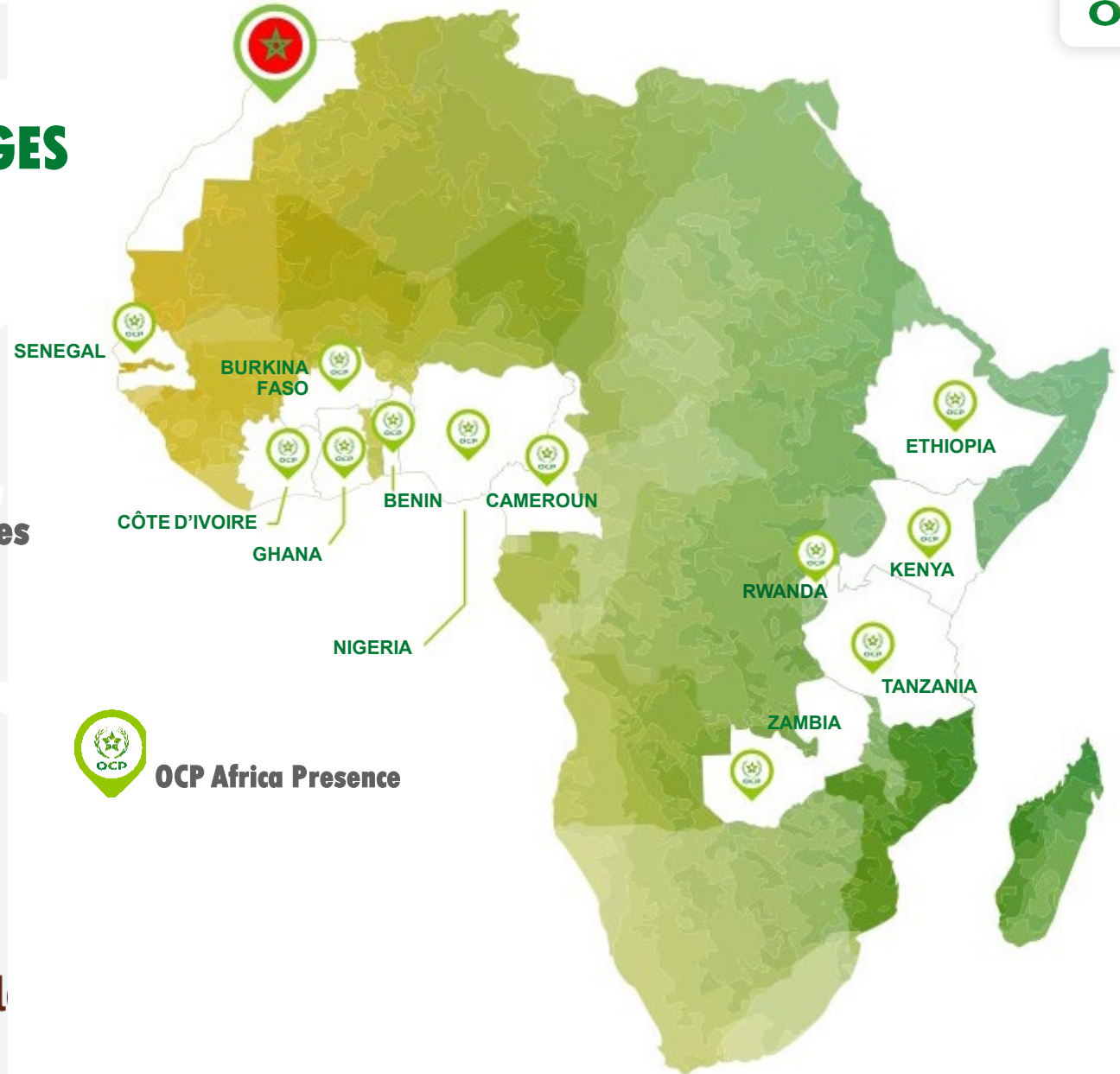


**OCP AFRICA IS WORKING
TO BRING A SPECIFIC RESPONSE
TO AFRICAN AGRICULTURE CHALLENGES
AND PROVIDE IMPACTFUL
& SUSTAINABLE SOLUTIONS
TO AFRICAN FOOD SYSTEMS**

12
African subsidiaries
+ HQ

17
Nationalities

221
Collaborators



GL

Soil Health in SSA

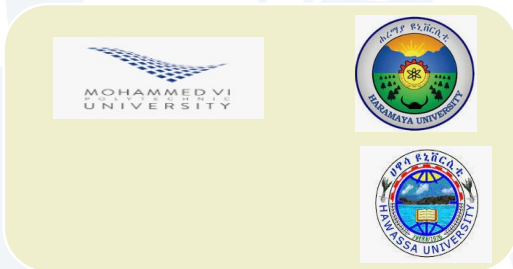


African soil Microbiome project

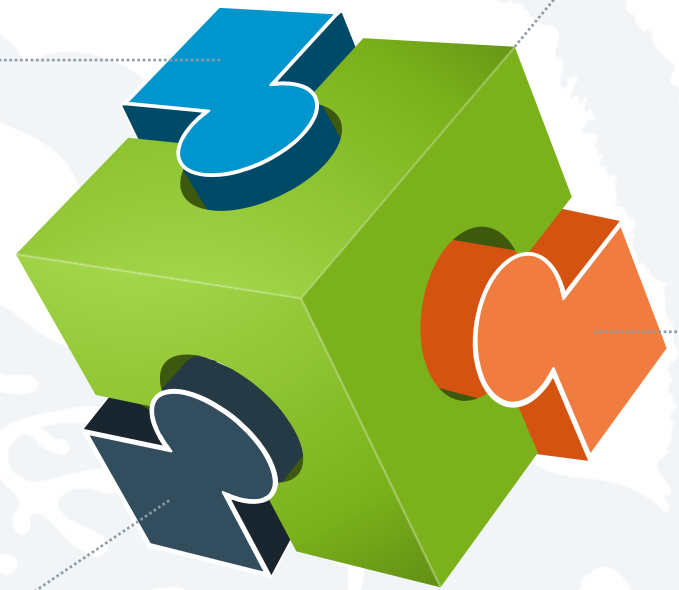
Soil fertility mapping projects



Rhizobium project



Soil amendment projects



Combined research and Education projects: more than 50 Master, PhDs and Postdoc students

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**TOGETHER,
LET'S MAKE AFRICA
THE EPICENTER
OF A SUSTAINABLE
TRANSFORMATION OF
FOOD SYSTEMS**



Global Symposium

July 2022





Thank you !

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