

NENA lab network during 2022

Development, Assessment, Needs and the Way Forward

Chair of NENA lab network: Riham Zahalan

6th Meeting of the **Global Soil Laboratory Network** (GLOSOLAN)



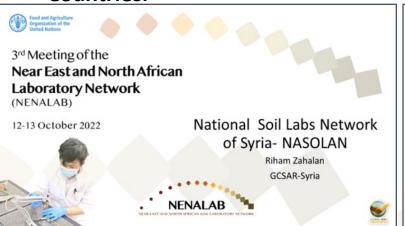


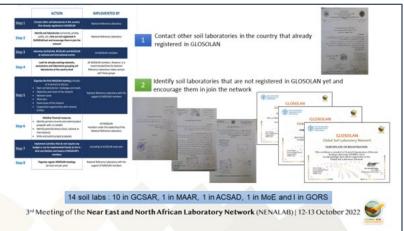
The last NENA meeting was held Virtually on , 12 - 13 October 2022

The third meeting of the Near East and North African Soil Laboratory Network (NENALAB) was held online on 12 and 13 October 2022. The meeting was attended by about one sixty-one laboratory staff members from seventeen NENA countries.

A fruitful discussion focused on the following topics:

☐ National Soil Laboratory Networks (NASOLANs) in NENA Countries.





6th Meeting of the **Global Soil Laboratory Network** (GLOSOLA



Network

☐ Bridging the gap between	n soil laboratori	es and national
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This point focused on how to support the soil laboratories by understanding the methods and forms of support they receive, whether were governmental or private labs. The majority reported lack of support and the need to increase it, moreover the need to support the returns of lab technicians (training, financial, technical, etc.)

☐ Harmonization of Standard Operating Procedures

- •(SOPs) NEWA members are contributed in several working groups for the harmonization of new SOPs, such as soil bulk density Bd and soil Gravimetrical Moisture and others.
- Some of the produced SOPs were translated into Arabic, yet we will try to focus more on the translation of the rest, in order to increase the positive impact on the NENA region.

☐ Interpretation of laboratory results and provision of recommendations to

• For ensuring a positive and deep impact of soil labs, result interpretation (importance and methods) were discussed with NENA members to highlight its role on helping farmers and stockholders working in agriculture and in direct contact with soil for the sustainable use



☐ NENALAB performance in the GLOSOLAN PT



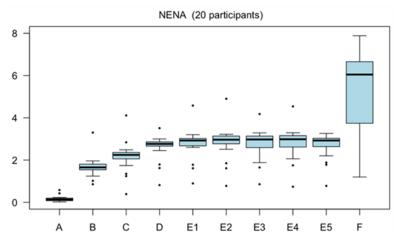


Figure 1 – Boxplots reporting the results collected from the NENALAB participants to the GLOSOLAN PT 2022 for soil organic matter by loss of ignition. Letters A-F correspond to the samples delivered to laboratories ordered from the lowest to the highest carbon content. Please note that the A-F order does not coincide with the order of samples' labelling (GLO-1, GLO-2, etc.). The y-axis report carbon content (percentage).

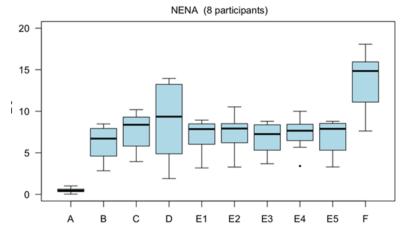
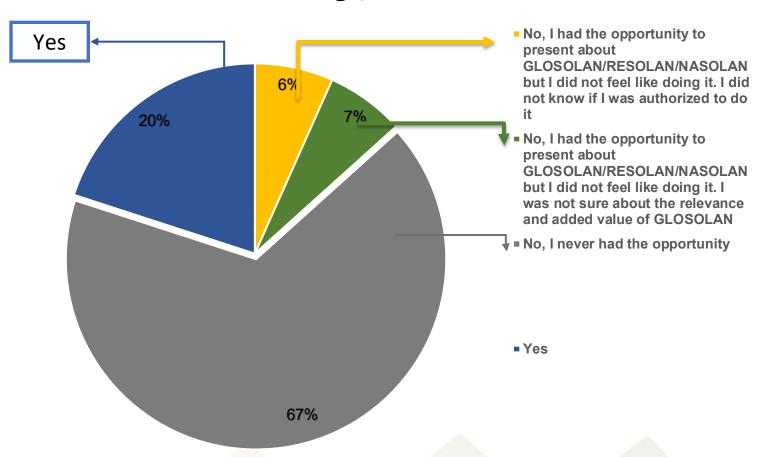


Figure 1 – Boxplots reporting the results collected from the NENALAB participants to the GLOSOLAN PT 2022 for soil organic carbon using the GLOSOLAN SOP for Walkley and Black method. Letters A-F correspond to the samples delivered to laboratories ordered from the lowest to the highest carbon content. Please note that the A-F order does not coincide with the order of samples' labelling (GLO-1, GLO-2, etc.). The y-axis report carbon content (percentage).

ry Network (GLOSOLAN) | 22-24 November 2022



Have you ever advertised GLOSOLAN and RESOLANs/NASOLANs at international meetings/conferences?









Have you ever discussed GLOSOLAN and RESOLANs/NASOLANs in articles published on national and/or international journals?

Agricultural Research-GCSAR.

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(2) Head of Land management and water (9)Head of Administration of Natural

Swaida Governorate- over the perio

the effect of adding different levels on some soil physical properties (

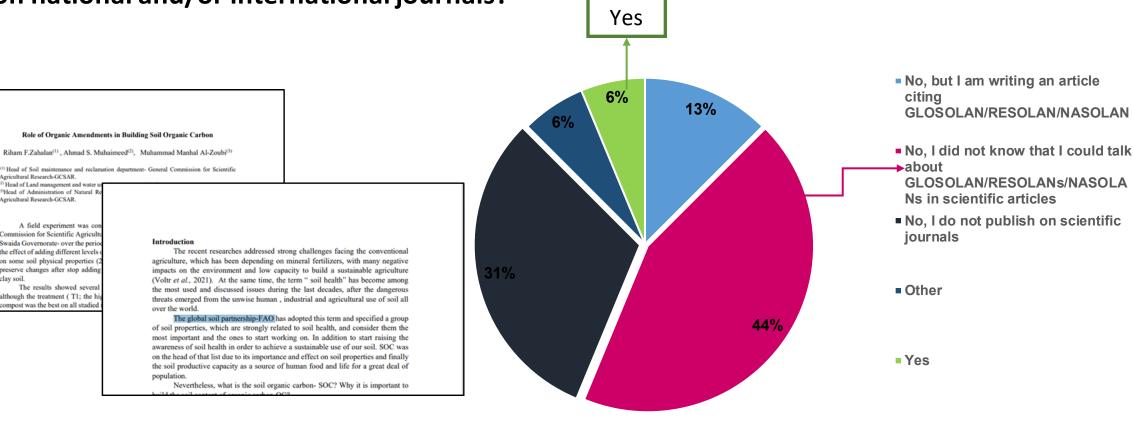
preserve changes after stop adding

although the treatment (T1; the hi

compost was the best on all studied

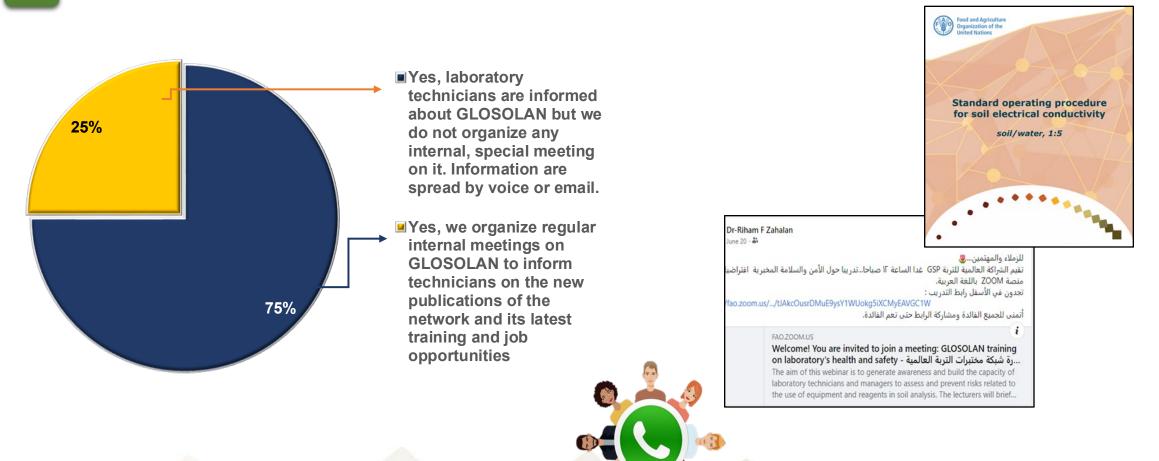
The results showed several

A field experiment was co Commission for Scientific Agricult





Are technicians at your laboratory informed on GLOSOLAN activities?





NENALAB governance

participants elected their representatives for the period 2023-2025:

- Chair: Ms. Riham Zahalan (Syria)
- Vice-Chair for the Near East: Yara Khairallah (Lebanon)
- Vice-Chair for North Africa: Mr. Abdelmjid Zouahri (Morocco)





