

Dear colleagues

A Global Soil Laboratory Network (GLOSOLAN) was launched in 2017 in order to improve the quality and comparability of analytical data produced by routine and research soil laboratories around the world. On the following website, you will see that GLOSOLAN is an initiative of the Pillar 5 of the Global Soil Partnership (GSP) of the FAO. During the last 4 years the participating laboratories (currently more than 700) have already produced many documents in order to standardise their analytical work. You will find standard operating procedures (SOPs) for several soil parameters and also various documents to help laboratories in their daily activities:

<https://www.fao.org/global-soil-partnership/glosolan/en/#:~:text=GLOSOLAN%20is%20a%20participative%20network,the%20GLOSOLAN%20webpage%20for%20free.>

As 2021 is the year of the 'COP 26' which is likely to accelerate action towards the Agreement on Climate Change, GLOSOLAN would like to contribute by making an assessment of the performances soil laboratories in analysing soil carbon.

Around 300 sets of 10 test soil samples (10 g for each soil) were prepared by the British Geological Survey (ground and sieved at 250 micrometres, put in double sealed plastic bags, tested for their homogeneity, sterilised by irradiation) and sent to the GSP at the FAO head office in Rome (each set is accompanied by a irradiation certificate). These sets will be sent, free of charge, to the GLOSOLAN laboratories that have expressed their interest in participating to that inter-laboratory comparison.

Most of the laboratories that have already been selected in 150 countries are routine laboratories.

The GLOSOLAN would like to increase the number of research laboratories participating to that comparison.

If you are interested in joining, please note that you have to:

- register with GLOSOLAN by filling the attached form and sending it to the GSP secretary: Lucrezia.Caon@fao.org and Filippo.Benedetti@fao.org (in cc)
- answering the questionnaire at the bottom of this message.

It is also important to note that your results will remain confidential: all participating laboratories will be identified in GSP documents only by strictly confidential code numbers.

If you need complementary information, please feel free to contact us.

And if you know other interested researchers, please do not hesitate to forward this message.

All our best regards and thank you very much in advance for the time you will be able to dedicate to the GLOSOLAN

Nopmanee Suvannang (GLOSOLAN Chairperson)
Christian Hartmann (GLOSOLAN advisor)

Here is the question for joining the PT:

Is your laboratory interested in participating to the GLOSOLAN PT 2021?

YES - NO

- Your laboratory would be able to analyse the following parameters?

1. CARBON

§ Organic carbon by Walkley and Black

YES - NO

§ Total carbon by Dumas

YES - NO

§ Total carbon by loss of ignition at 450 or 550C

YES - NO

2. NITROGEN

- Total Nitrogen by Kjeldahl

YES - NO

- Total nitrogen by Dumas

YES - NO

3. PHOSPHOROUS

- Available Phosphorous by Olsen

YES - NO

- Available Phosphorous by Bray I

YES - NO

- Available Phosphorous by Bray II

YES - NO

- Available Phosphorous by Mehlich I

YES - NO

- would you be able to use the [GLOSOLAN SOPs](#) to analyse the samples? YES - NO

- Would you be able to submit the results of your analysis within 20 days from their arrival? YES - NO

Many thanks for your interest and looking forward to welcome you as our member.

Regards

Mrs Nopmanee Suvannang

GLOSOLAN Chair