

The European and Eurasian Soil Laboratory Network

EUROSOLAN Chair: Marija Romic (Croatia)

EUROSOLAN vice-Chair for European
countries:

Oguz Can Turgay (Turkey)

EUROSOLAN vice-Chair for Eurasian
countries:

Elena V. Shamrikova (Russian Federation)

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



National Soil Laboratory Networks in focus

- NASOLANs: establishment and activities
- Dissemination: internet, meetings, conferences, research articles
- An example from RUSOLAN: Flyer produced with the support of sponsor






Soil laboratories and national government: bridging the gap

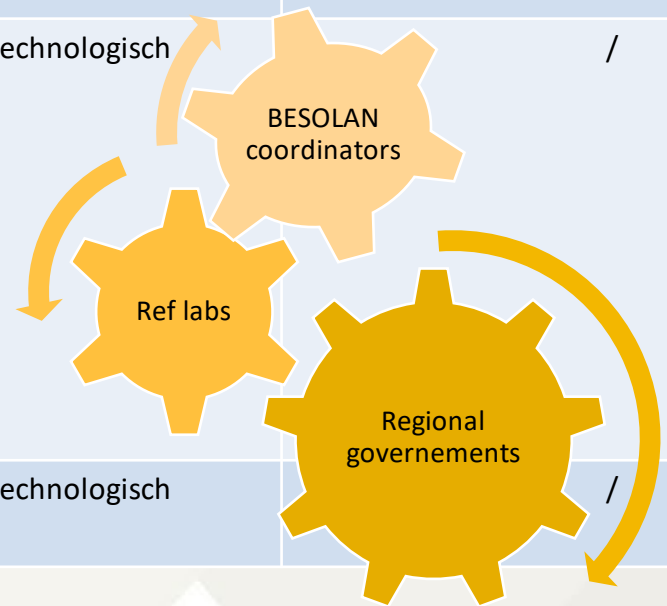
National Soil Laboratory Networks

- how to strengthen the collaboration and communication between laboratories and national Focal Points/governments
- Resource mobilization
- Improvement of national soil legislation systems (soil import, waste management and disposal, drainage system, etc.)

Belgian Soil Laboratory Network (BESOLAN)

- A regional network has been established in the Walloon region, since 1989 and in the Flemish Region since 1991. BESOLAN also includes Luxembourg.
- An introduction webinar to BESOLAN was organized on 21.03.2022.

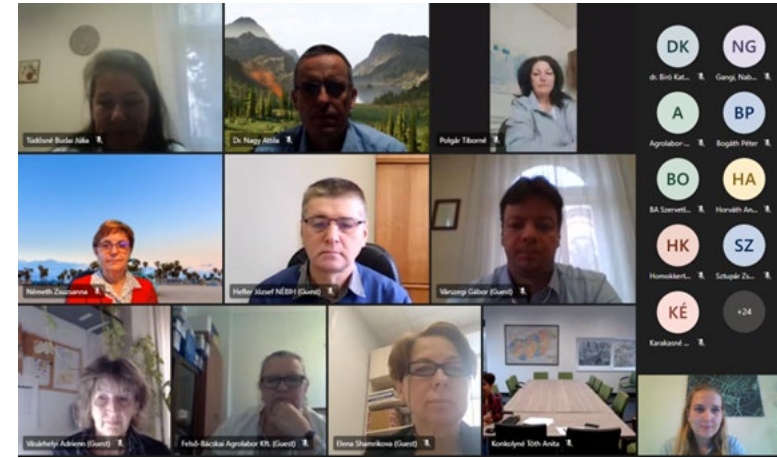
SOIL			
Regional governments	<ul style="list-style-type: none"> ✓ Departement Omgeving - Afdeling Vlaams Planbureau voor Omgeving ✓ Openbare Vlaamse Afvalstoffenmaatschappij (OVAM) ✓ Vlaamse Landmaatschappij (VLM) 	<ul style="list-style-type: none"> ✓ Leefmilieu Brussel – Bruxelles Environnement /Onderafdeling bodem – Sous-division Sols 	<ul style="list-style-type: none"> ✓ Direction de la Protection des Sols (SPW - Agriculture, Ressources naturelles et Environnement - Département du Sol et des Déchets - Direction de la Protection des Sols)
Reference laboratories	<ul style="list-style-type: none"> ✓ Vlaamse Instelling voor Technologisch Onderzoek (VITO) 	/	<ul style="list-style-type: none"> ✓ Institut Scientifique de Service Public (ISSeP) ✓ GxABT, Liege University, Axe Echanges Eau-Sol-Plante, Laboratoire d'encadrement référentiel - Qualité des Sols ✓ Wallonie recherche CRA-W, Laboratoire d'encadrement référentiel - Qualité Alimentaire Technique NIR et Nitrates dans les sols ✓ UCLouvain, Laboratoire d'encadrement référentiel - Qualité Microbiologique et Qualité Minérale et Organique
BESOLAN coordinators	<ul style="list-style-type: none"> ✓ Vlaamse Instelling voor Technologisch Onderzoek (VITO) - Mol 	/	<ul style="list-style-type: none"> ✓ GxABT, Liege University, Axe Echanges Eau-Sol-Plante - Gembloux



Hungarian Soil Laboratory Network (HUNSOLAN)

Established in February 2021

NUMBER OF MEMBERS: 34



REFERENCE LABORATORY: National Food Chain Safety Office Food Chain Safety Laboratory Directorate Plant Protection and Soil Conservation National Reference Laboratory, Soil Conservation Department (Velenca)

TURKIYE NATIONAL SOIL LABORATORY NETWORK (TADLAB)

- Established in 2013
- NUMBER OF MEMBERS: 175

REFERENCE LABORATORY

Soil and Fertilizer Laboratory of the Department of Soil Science and Plant Nutrition, Faculty of Agriculture

Ministry of Food Agriculture and Livestock General Director of Agricultural Research and Policies Soil Fertilizer And Water Resources Central Research Institut



Under establishment

- Austria, Croatia, Greece, **Italy**, **Kazakhstan**, The Netherlands, **Turkmenistan**, Slovakia, Spain, Ukraine, **Uzbekistan**

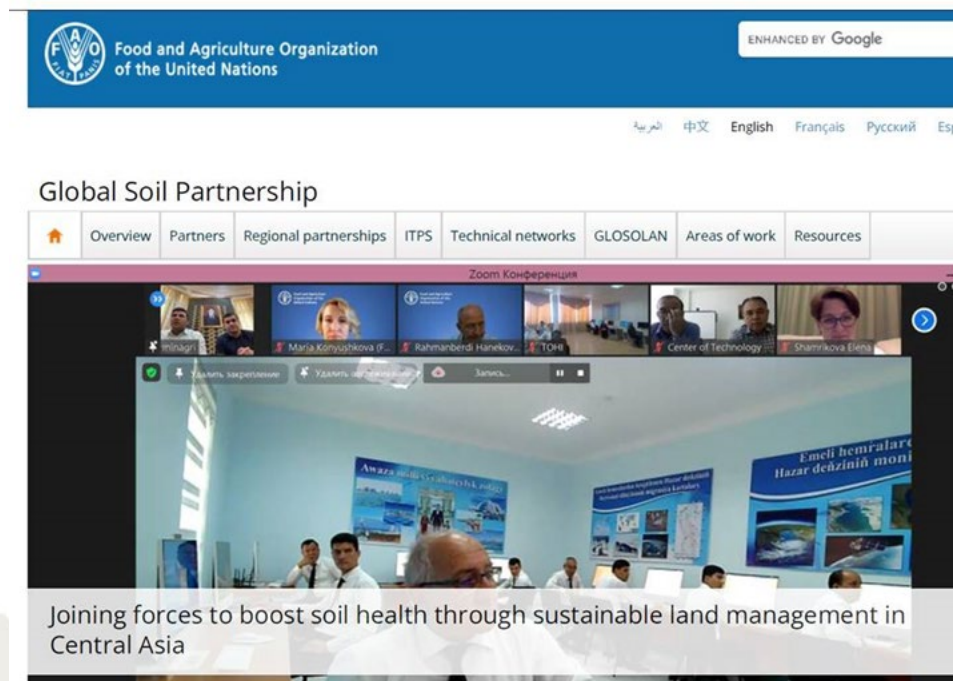
no NRL nominated yet

EUROSOLAN members participate in international conferences and workshops to spread information about the global network:

- The international scientific conference on sustainable management of land resources and biodiversity SERBEMA-2022, Tashkent, Uzbekistan (12-13.04.2022)
- Workshop on the tools of the Global Soil Partnership in support to the Central Asia Countries Initiative for Land Management Ashghabat, Turkmenistan (17.08.2022)

....

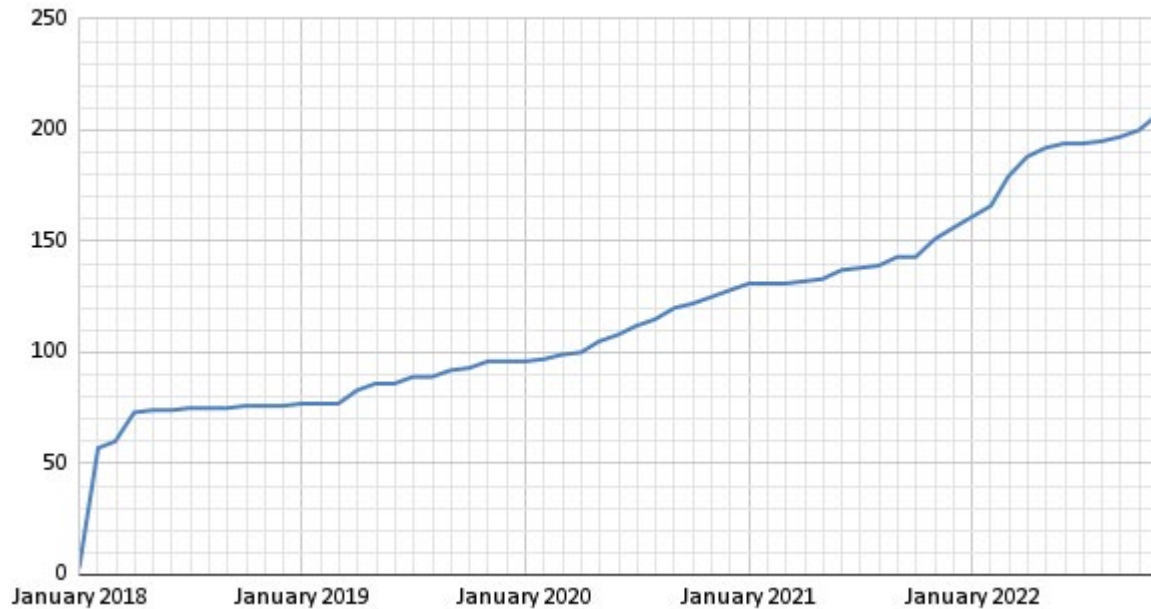
6th Meeting of the **Global Soil Laboratory Network (GLOSOLAN)** | 22-24 November 2022



GLOSOLAN – key communication issues

Results of the survey among EUROSOLAN members that was launched back in September, 2022 on the activities of laboratories

EUROSOLAN growth

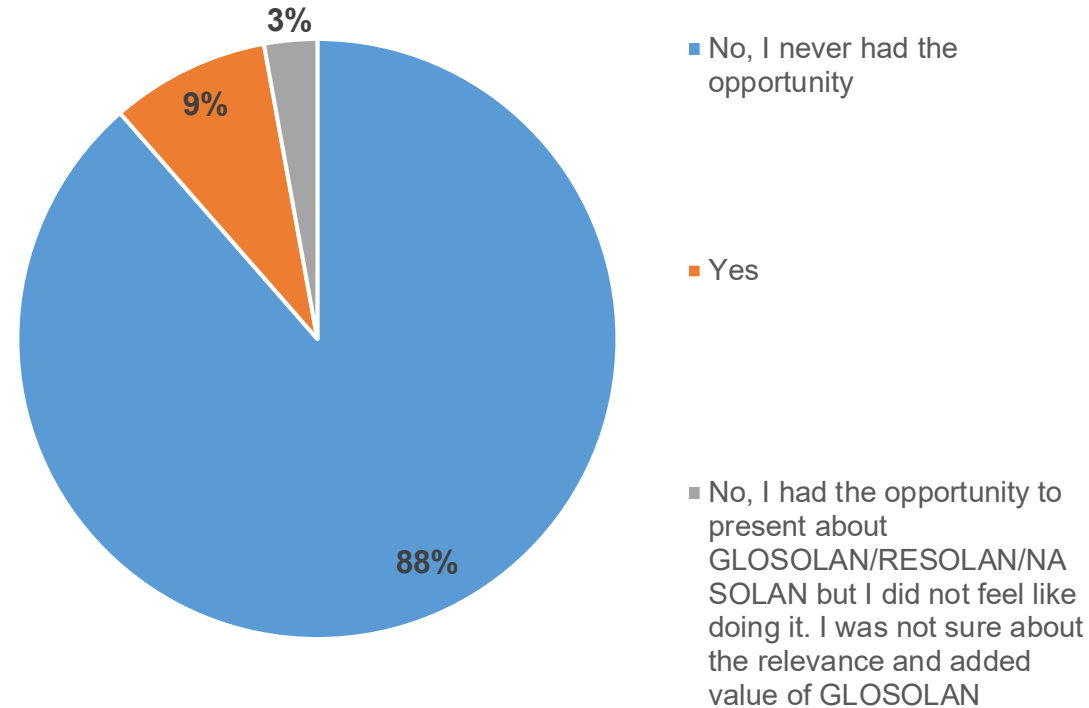


203 laboratories (November 2022)

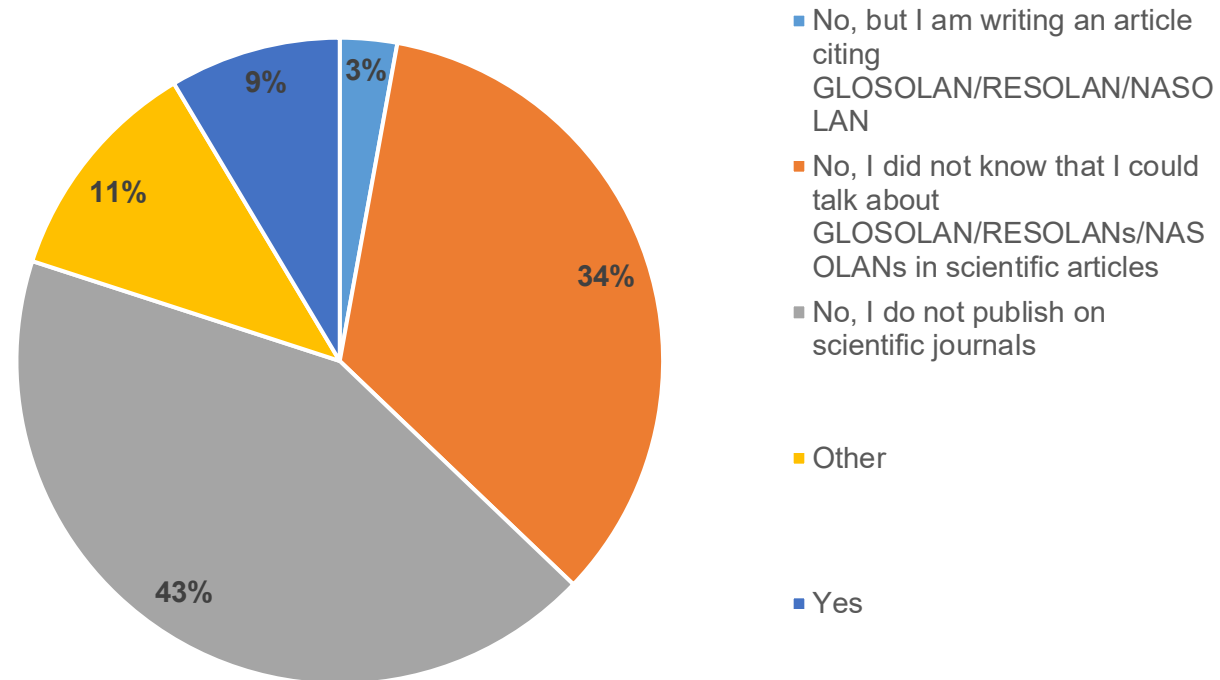
6th Meeting of the **Global Soil Laboratory Network (GLOSOLAN)** | 22-24 November 2022



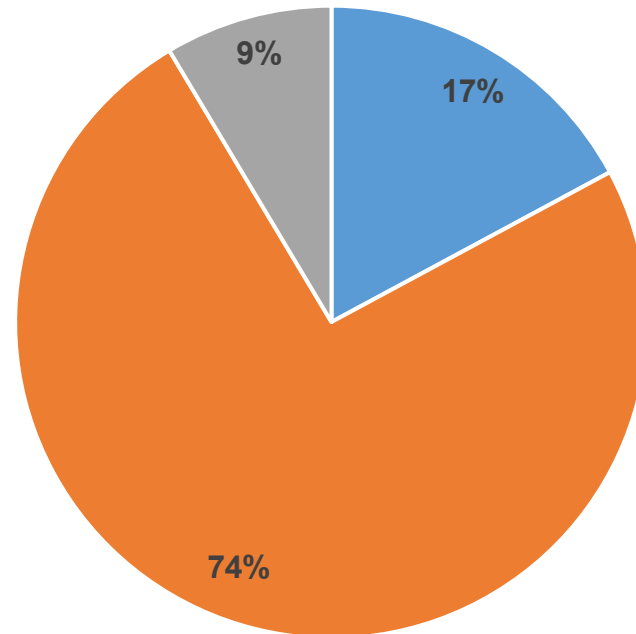
Have you ever advertised GLOSOLAN and RESOLANs/NASOLANs at international meetings/conferences?



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



Are technicians at your laboratory informed on GLOSOLAN activities?




- No, information are kept at the management level
- Yes, laboratory technicians are informed about GLOSOLAN but we do not organize any internal, special meeting on it. Information are spread by voice or email.
- Yes, we organize regular internal meetings on GLOSOLAN to inform technicians on the new publications of the network and its latest training and job opportunities

- EUROSOLAN, as a regional branch of the global network, sees great prospects in developing cooperation with other RESOLANs (not only in the preparation of agreed SOPs).

For example, through joint scientific research aimed at harmonizing methods. With the subsequent publication of scientific results in the open press, such as


Joint efforts of EUROSOLAN and SEALNET and North America in the harmonization of methods for measuring soil organic carbon.



Contents lists available at [ScienceDirect](#)

Geoderma

journal homepage: www.elsevier.com/locate/geoderma



Transferability between soil organic matter measurement methods for database harmonization

E.V. Shamrikova^a, B.M. Kondratenok^a, E.A. Tumanova^a, E.V. Vanchikova^a, E.M. Lapteva^a, T. V. Zonova^a, E.I. Lu-Lyan-Min^a, A.P. Davydova^a, Z. Libohova^{b, *}, N. Suvannang^c

^a Institute of Biology Komi SC UrD RAS, Kommunisticheskay 26, Syktyvkar, Russian Federation
^b USDA-ARS Dale Bumpers Small Farms Research Center, 6883 S. Hwy 23, Booneville, AR 72927, United States
^c Land Development Department, 2003/61 Phaholyothin Road, Chatuchak, Bangkok 10240, Thailand

<p>ARTICLE INFO</p> <hr/> <p>Handling Editor: Ingrid Kögel-Knabner</p>	<p>ABSTRACT</p> <hr/> <p>Soil organic matter (SOM) is one of the most important soil-forming factors and complex with a chemical</p>
---	---



Food and Agriculture
Organization of the
United Nations

GLOSOLAN
GLOBAL SOIL LABORATORY NETWORK

Thank you for your attention
on behalf of the EUROSOLAN
members!!

