



Food and Agriculture
Organization of the
United Nations

Template for reporting the performance of individual laboratories participating in the proficiency testing of the Global Soil Laboratory Network



This document aims to provide each individual laboratory with feedback on their performance in the inter-laboratory comparison exercise of the Global Soil Laboratory Network (GLOSOLAN) and its Regional Soil Laboratory Networks (RESOLANs): SEALNET for Asia, LATSOLAN for Latin America, AFRILAB for Africa, EUROSOLAN for Europe and Eurasia, and ASPAC for the Pacific. This document is personal and is sent together with the certificate of participation in the inter-laboratory comparison exercise. To note that the certificate of participation does not attest the good proficiency of a laboratory in soil analysis.

This document is composed of two sections:

- **Section 1: Feedback on customer's oriented expectations.** Provides individual laboratories with a feedback on their achievement of customer oriented expectations such as timely delivery of results, provision of results for the requested soil parameters and the provision of results in the requested units of measure
- **Section 2: Statistical analysis of individual laboratory results.** The graphs report the *z score*¹ for each of the analysis performed. For more information, please refer to the *Inter-laboratory comparison results reports* available on the GLOSOLAN webpage ([here](#)). Please note that results are reported using the anonymous code assigned to each laboratory in the *Inter-laboratory comparison results reports*

As per the decision of the 3rd GLOSOLAN meeting (report available [here](#)), a **scoring system** is applied to the execution of inter-laboratory comparison exercises within GLOSOLAN and RESOLANs for the purpose of identifying committed laboratories and to exclude those that are not seriously committed. This system will allow GLOSOLAN to give the opportunity for other laboratories to take part in the exercise. Please note that the scoring system applies only to Section 1. Each laboratory can score maximum 5 points. The scoring system will be managed by the GSP Secretariat who may also assign half-points depending on the situation. In this regard, laboratories that have good reason they are not able to meet "customer's oriented expectations" (e.g. late receipt of soil samples) should contact the GSP Secretariat as early as possible. **Laboratories scoring less than 2.5 points will be excluded for one year from global and regional inter-laboratory comparison exercises.** After this time, laboratories may and should submit a request to GLOSOLAN to re-join the inter-laboratory comparison exercises.

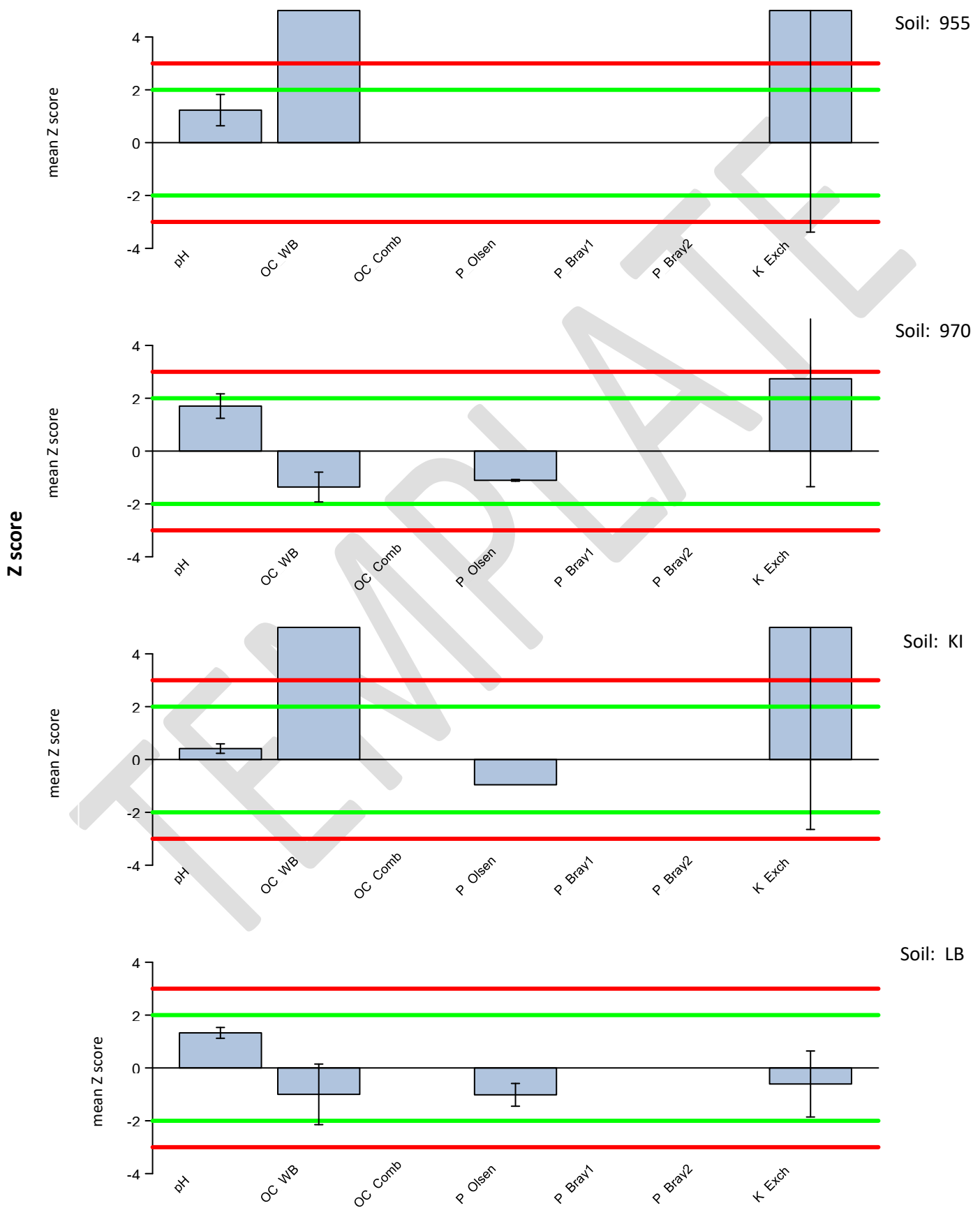
¹ Standardized measure of performance, calculated using the participant result, assigned value and the standard deviation for proficiency assessment. *Source:* WHO manual for organizing a national external quality assessment programme for health laboratories and other testing sites. 64 p. 2016. World Health Organization (WHO), Geneva, Switzerland.

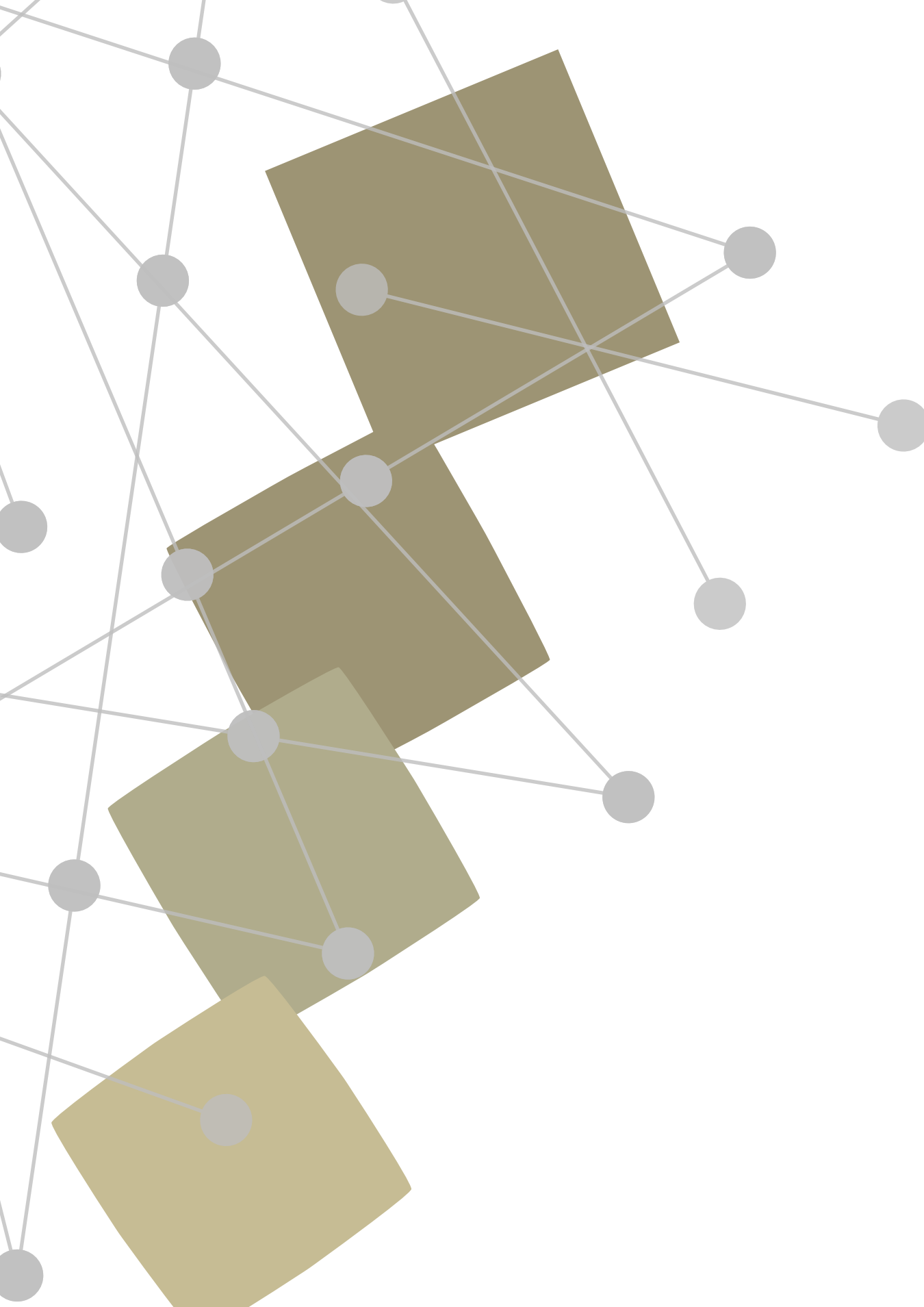
Section 1: Feedback on customer's oriented expectations

| EXPECTATIONS MET | EXPECTATIONS NOT MET |
|--|--|
| Submission of results by the given deadline | |
| <input type="checkbox"/> The laboratory submitted the results of the analysis within the prescribed deadline <div style="text-align: right;"><i>[max. 1 point]</i></div> | <input type="checkbox"/> The laboratory DID NOT submit the results of the analysis within the prescribed deadline <div style="text-align: right;"><i>[max. -1 point]</i></div> |
| Results reporting | |
| <input type="checkbox"/> The laboratory reported the results of the analysis using the prescribed form <div style="text-align: right;"><i>[max. 1 point]</i></div> | <input type="checkbox"/> The laboratory DID NOT report the results of the analysis using the prescribed form but using a personalized form <div style="text-align: right;"><i>[max. -1 point]</i></div> |
| <input type="checkbox"/> The laboratory reported the results of the analysis using the prescribed units of measure <div style="text-align: right;"><i>[max. 1 point]</i></div> | <input type="checkbox"/> The laboratory DID NOT report the results of the analysis using the prescribed units of measure <div style="text-align: right;"><i>[max. -1 point]</i></div> |
| Number of soil parameters assessed | |
| <p>The laboratory successfully analyzed the soil for ___ soil parameters out of the ___ required ones</p> <p>Reason for not analyzing all the requested soil parameters:</p> <hr/> <hr/> <hr/> | |
| <p>Justification accepted. <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <div style="text-align: right;"><i>[max. 1 point]</i></div> | |

Section 2: Statistical analysis of individual laboratory results

Anonymous lab code: 101





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