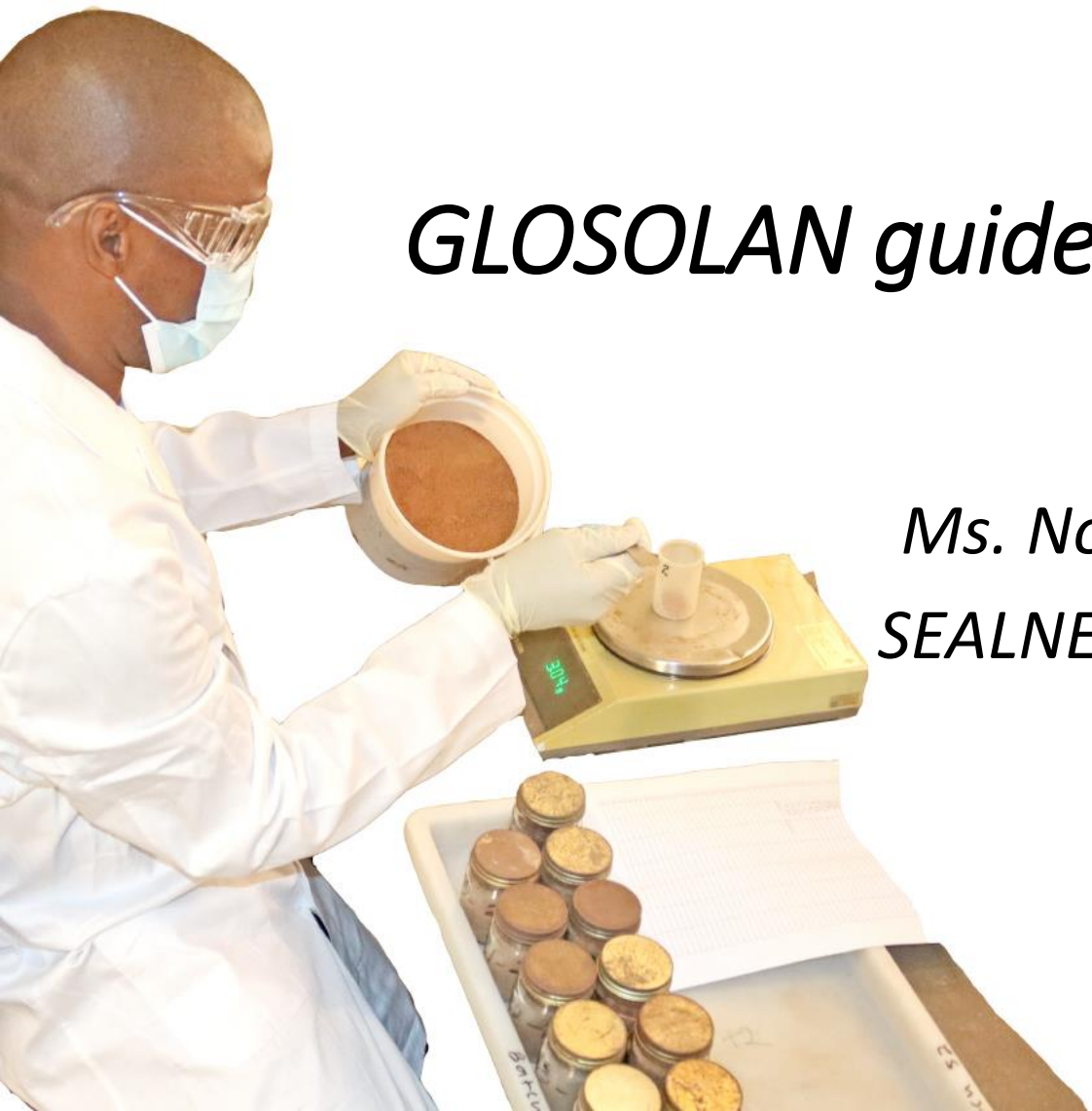


# ITEM 8

## *GLOSOLAN guidelines on reagents disposal*

*Ms. Nopmanee Suvannang,  
SEALNET Steering Committee*

7<sup>th</sup> Meeting of the  
**Global Soil  
Laboratory  
Network**  
(GLOSOLAN)



# *Guidelines on reagents disposal*

- It is important to understand how to dispose safely contaminated soil and lab reagents and waste after the laboratory usage and follow the correct procedure.
- Incorrect disposal of contaminated soil and reagents may lead to environmental pollution such as soil and water pollution.

# *Awareness raising for soil contamination and waste disposal*

INSOP-GLOSOLAN joint meeting

Tuesday, December 20<sup>th</sup>  
ASSESSMENT WORKING GROUP

- **GLOSOLAN guideline on soil and reagent disposal**
  - Provide the GLP on dispose of soil after analysis safety manual
  - Health and safety guideline manual for identified the main reagents use in the lab and describe the risk for human health
  - Guideline environmental risk of each reagent and how to dispose these reagents

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Open recovered workbooks? Your recent changes were saved. Do you want to continue working where you left off? Yes

A1	Code of Chemical									
	A	B	C	D	E	F	G	H	I	J
1	Code of Chemical	CAS No	Reagents	Formula	Application for SOP	How to handle	How to dispose	Incompatible materials	Danger	Environmental associated risk (pollution)
2			Distilled water (cleaned)		· soil pH	Gloves	In the sink	-	Do not drink!	
3					· electrical conductivity	Safety Glasses				
4					· EC by saturated soil paste					
5					· soil available					
6					· soil available phosphorus by					
7					· soil available phosphorus by					
8					· soil available phosphorus by					
9					· soil calcium carbonate					
10					· soil organic carbon by Tyurin					
11					· soil organic carbon by					
12					· CEC and exch. bases					
13			Distilled water (used to wash equipment)		All SOPs	Gloves Safety Glasses	Depends on what has been washed	-	Do not drink!	
14										
15		7447-40-7	Potassium Chloride	KCl	· Electrical conductivity	Wash hands and other	Dispose in a safe manner	silver nitrate. Strong	Not a hazardous substance or	KCl is not hazardous to freshwater organisms. High water-soluble lev
16					· soil organic carbon by Tyurin	Gloves				
17					· soil pH	Safety Glasses				
18						Protective Clothing				
19						likely to form flammable				
20			Diethylenetriaminepentaacetic acid (DTPA, C14H23N3O10)		· soil available micronutrients and heavy metals by DTPA extraction method	Fume hood	Do not let DTPA enter drains			The substance is not readily biodegradable. Should not be released ir



# Poll

- Do you have the document for the **guidelines on reagents disposal** in your laboratory
  - ✓ Yes, we have it and we are now keep fully control on that
  - ✓ Yes, we have it and we start to partial implement it as financial is allow
  - ✓ Yes, we have it but still do not implement it as we do not have financial and staffs to support
  - ✓ Yes, we have it but we need training on how to do it correctly
  - ✓ No, we do not have it and find it important to have this document as guideline for good practice on it
  - ✓ No, we do not have it as we find that the system is costly and we do not have competence staffs to do it
  - ✓ No, we do not have it but interesting to participate the training course on this topic



Food and Agriculture  
Organization of the  
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*Thankyou for your kind attention*

