



Food and Agriculture
Organization of the
United Nations

5th Meeting of the
**Regional Soil Laboratory
Network for Africa**
(AFRILAB)

15 November 2023

Establishment of
AFRILAB working
groups

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AFRILAB
AFRICAN SOIL LABORATORY NETWORK



working groups in Good Lab Practices (GLP) : AFRILAB

- **allow better laboratory management**
- **improve efficiency** (thus reducing costs)
- **improve safety**
- **allow quality control**
- **stimulate and motivate all labs**
- **share the logistic information and the experience between the regions**

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WG 1 : Lab mangement

- Choosing the good equipment
- Reducing costs
- ...



Good practices on purchasing and operating laboratory equipment



How to set up a new soil laboratory
EN

WG 2: Risk assessment



French, English ..

Quantitative Likelihood	consequences				
	Minor skills impact	Minor impact to capability	Unavailability of core skills affecting services	Unavailability of critical skills or personnel	Protracted unavailability of critical skills /people
Has occurred on an annual basis in this organization in the past or circumstances are in the train that will cause it to happen	Minor injury or first aid treatment	Injury requiring treatment by medical practitioner	Major injury/hospitalization	Single death and or multiple major injuries	Multiple deaths
Has occurred in the last few years in this organization or has occurred recently in other similar organizations or circumstances have occurred that will cause it to happen in the near few years	Insignificant 1	Negligible 2	Moderate 3	Extensive 4	Significant 5
Has occurred at least once in the history of this organization or is considered to have a 5% chance of occurring in the near few years					
Has never occurred in this organization but has occurred infrequently in other similar organizations or is considered to have a 1% chance of occurring in the next few years					
Is possible but has not occurred to date in any similar organization and is considered to have very much less than a 1% chance of occurring in the next few years					

ember 2023



WG 3: waste management

Material/reagent	How it should be handled	How it should be disposed	Danger
Distilled water (cleaned)	Gloves Safety Glasses	In the sink	Do not drink!
Distilled water (used to wash equipment)	Gloves Safety Glasses	Depends on what has been washed	Do not drink!
Potassium Chloride (KCl) Solution	Gloves Safety Glasses Protective Clothing	No specific rules	
Diethylenetriaminepentaacetic acid (DTPA, C ₁₄ H ₂₃ N ₃ O ₁₀)	Do not inhale (use P3 filters or fume hood if dust generated) Gloves Safety Glasses Protective Clothing	Do not let DTPA enter drains Collect in a specific container (eg 20L plastic container) and dispose of through a certified waste disposal company	
Triethanolamine (TEA, C ₆ H ₁₅ NO ₃)	Gloves Safety Glasses Protective Clothing	No specific rules	
Calcium chloride dihydrate (CaCl ₂ ·2H ₂ O)	Nitrile Gloves Safety Glasses Protective Clothing If dusts are generated: P2 filter	We don't have specific rules for this product but the msds states to dispose of it depending on local regulations	



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