

# 5<sup>th</sup> Meeting of the Near East and North African Laboratory Network (NENALAB)

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# Libyan Soil Laboratories Network (LIBSOLAN)

Presented by Jalal Elgadi





# The Libyan Soil Laboratories Network (LIBSOLAN)

- Status of establishment: Under establishment
- Number of laboratories registered in GLOSOLAN: 3 soil laboratories (ready to form national network)in addition to other labs that not registered yet
- Suggested network name: "LIBSOLAN"
- Main obstacle facing the establishment of the network is the legal structure
- The 3 labs are belonging to ARC







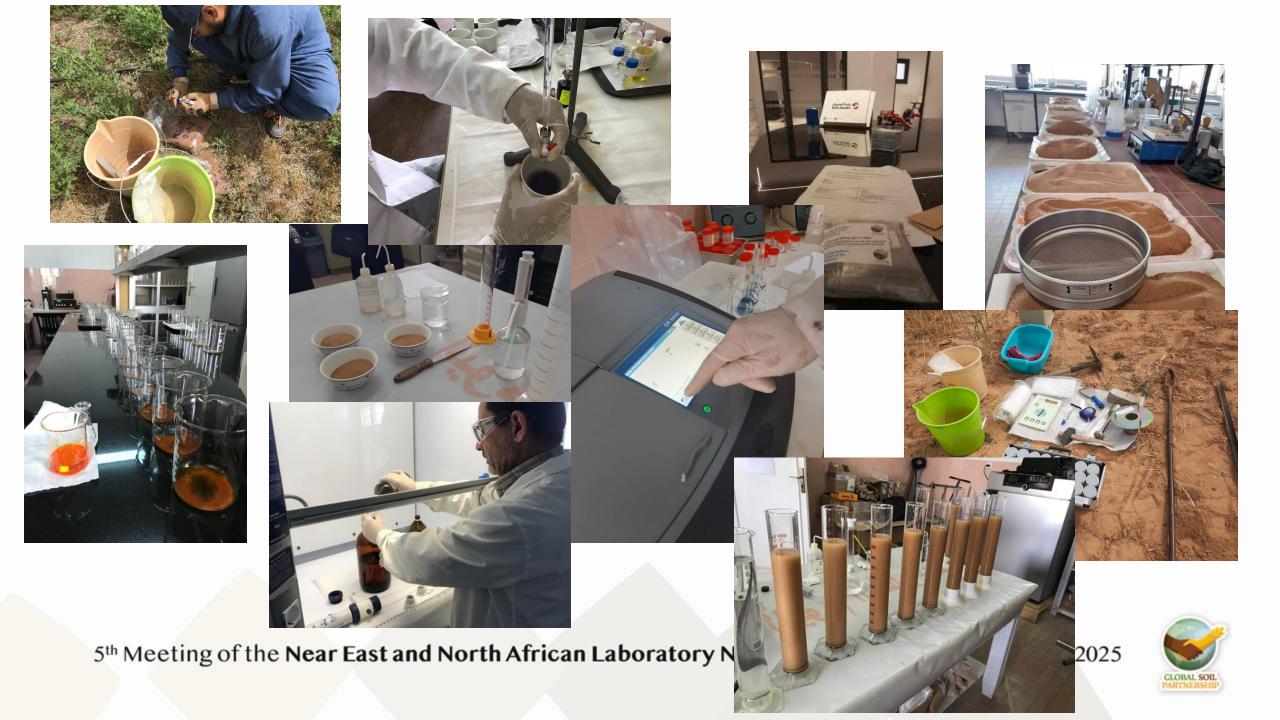
#### Main information about the three labs

	MARS Soil LABORATORY	ARC AL-BAYDA Soil LABORATORY	NATURAL RESOURCES -
	LABORATORI	LADORAIONI	ARC LABORATORY
Location	MISURATA	AL-BAYDA	TRIPOLI
<b>Contact Person</b>	Jalal Elgadi	Khaled Belhamad	Husain Taleb
Years of Experience in Soil Testing	35	20	45
Number of employees	4 (2 MSc + 2 BSc)	5 (3 MSc+ 2 BSc)	8 (4 MSc+4 BSc)
Registration in GLOSOLAN	yes	yes	yes



### Main information about the three labs (continued)

	MARS Soil	ARC AL-BAYDA Soil	NATURAL
	LABORATORY	LABORATORY	RESOURCES -
			ARC
			LABORATORY
Physical Soil Tests Offered	SM, PZD, soil	SM, PZD, BD, HC,	SM, PZD, soil
	moisture tension, BD,	Porosity	moisture
	FC&WP, On field		tension, BD,
	infiltration rate		FC&WP, HC
<b>Chemical Soil Tests Offered</b>	EC, TDS, pH, SOM,	EC, TDS, pH, SOM,	EC, TDS, pH,
	CaCO3, NPK, Fe, Mn,	CaCO3, NPK, SOLUBLE	SOM, CaCO3,
	SOLUBLE IONS	IONS, most tests by	NPK, SOLUBLE
		colorimetric methods	IONS,
Other soil tests	NEMATODE	<b>Bacterial water pollution</b>	
Tests other than soil	WATER, PLANT	WATER, PLANT	<b>WATER, PLANT</b>
	FERTILIZER	FERTILIZER	<b>FERTILIZER</b>
Number of received samples	250-500	250-500	250-500
/year			



## Main obstacles facing soil labs

- Shortage in number of technicians in most labs
- Shortage in some operating materials and equipment.
- Lack of training programs
- Lack of local authorized distributors for instrument manufacturers to perform periodic maintenance



