



NATIONAL GIS AND DATA GOVERNANCE EXPERT

GIS DATABASE TOR CONSOLIDATION

May 2022

MASAR implementing partners



In collaboration with



UNIVERSITY OF
BALAMAND

Component	ACCD		PCPM		VNG-I	
	19 Municipalities	Delivered	29 Municipalities	Delivered	9 Municipalities	Delivered
Cadastral Maps	Updated paper maps		Updated paper maps		Official paper maps collected from the registry of Baalbak	✓
	Digital CAD maps	✓	Digital CAD maps	✓	Digital CAD maps Deir el Ahmar: generated from georeferenced paper maps	✓
	Subdivision and land pooling		Subdivision and land pooling			
	Rectification		Rectification			
Basic GIS Zoning Maps, Decree/ Planning Maps and Regulations	Updated paper maps		Updated paper maps		Planning maps	
	Georeferencing and rectification		Georeferencing and rectification		Georeferencing and rectification	✓
	Land-use planning regulations for each zone including specifications	✓	Land-use planning regulations for each zone including specifications	✓	Detailed urban plan that usually includes a zoning table and special regulations issues by degree or by decision	
Satellite Imagery	2019/2020 High Resolution Imagery (Area around 83 sq. km)	✓	2020 Cloudless High Resolution Imagery 30 cm resolution (Area around 157 sq. km)	✓	Worldview images, 0.3 m High resolution, Acquisition date: June 2021 (1,050 sq. km for Aarsal and 406 sq km for Deir el ahmar region)	✓
Database development and design	A complete database schema compatible with both open source and commercial GIS to include all the maps	✓	A complete database schema compatible with both open source and commercial GIS to include all the deliverables	✓	A database scheme designed, compatible with both open source and commercial GIS. It will include layers from different areas of application validated by the municipalities.	✓
			Hyperlink all the Land Register records related to all land subdivision and land pooling to its designated Real Estate in the cadastral maps	✓		

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			Add the georeferenced and rectified paper maps (Zoning, Cadastre) to the database	✓		
			Add the CAD maps to the database	✓		
			All the GIS layers must have Metadata	✓		
			The Database must be available in Stereographic Projection and in WGS-UTM Zone 36 Projection	✓		
Presentation of database and availability for consultancy			Meet with the representatives of the Unions of Municipalities and present the database	✓		
			Coordinate with the topographer for the area throughout the assignment and present the database to him/her once it has been completed	✓		
			Remain available to representatives of the Unions of Municipalities for consultancy regarding the data throughout the assignment	✓		
	Elevation	✓	Elevation	✓		
	Land use	✓	Land use	✓		
	Road network	✓	Road network	✓		