

The Second Arab Land Conference

Building a partnership for collaboration and capacity Development – Case Study – Lebanese University

Masterclass 3 - 24 February 2021 (10:30-12:00) Towards a Common Strategy for
Capacity Development in the Arab Region

Who are we ?

and

why Capacity development ?



We are

"The **Lebanese University** an institution that performs the functions of public higher education in its different branches and degrees ..."



There are to date 79,000 students at the **Lebanese University**, making it one of the largest and most important universities in the Middle East.

The Lebanese University is constituted from:

1. -**Faculty of Letters and Human Sciences**
2. -Faculty of Law and Political and Administrative Sciences
3. -Faculty of Sciences
4. -Institute of Social Science
5. -Faculty of Fine Arts and Architecture
6. -Faculty of Pedagogy
7. -Faculty of Information
8. -Faculty of Economics and Business Administration
9. -Faculty of Engineering
10. -Faculty of Agronomy
11. -Faculty of Public Health
12. -Faculty of Medical Sciences
13. -Faculty of Dental Medicine
14. -Faculty of Pharmacy
15. -Faculty of Tourism and Hospitality Management
16. -Faculty of Technology.

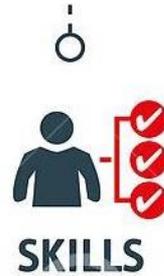
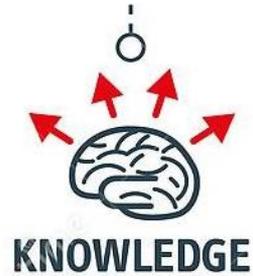
In addition to three Doctoral Schools:

1. -Doctoral School of Literature, Humanities & Social Sciences
2. -Doctoral School of Law, Political, Administrative and Economic Sciences
3. -Doctoral School of Science and Technology

The University is also affiliated with the Institute of Applied Sciences and Economics (CNAM-ISAIE), which operates in cooperation with CNAM in France.



What is Capacity development ?



In Land Management



Beqaa Valley

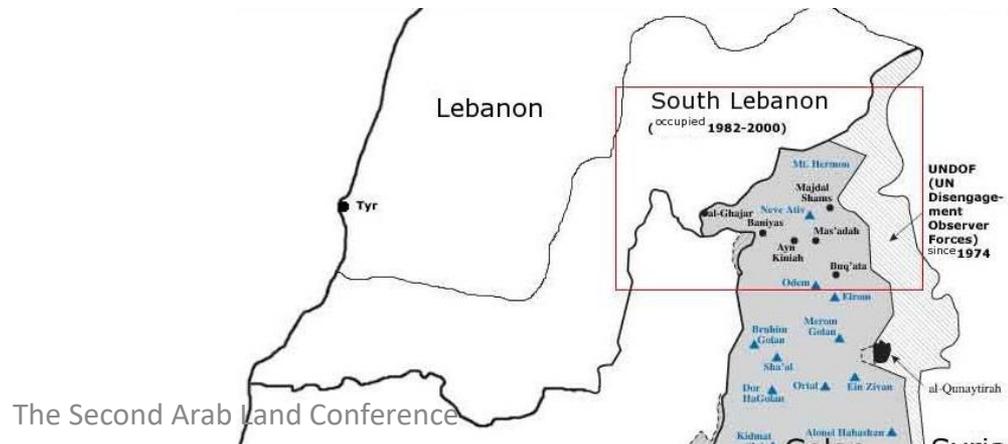
Why capacity development in land Management is important in Lebanon?

1. There is no specialization in land administration in the Lebanese universities.
2. A shortage of specialists in the field of land administration.
3. There are many problems related to the land that await solutions.



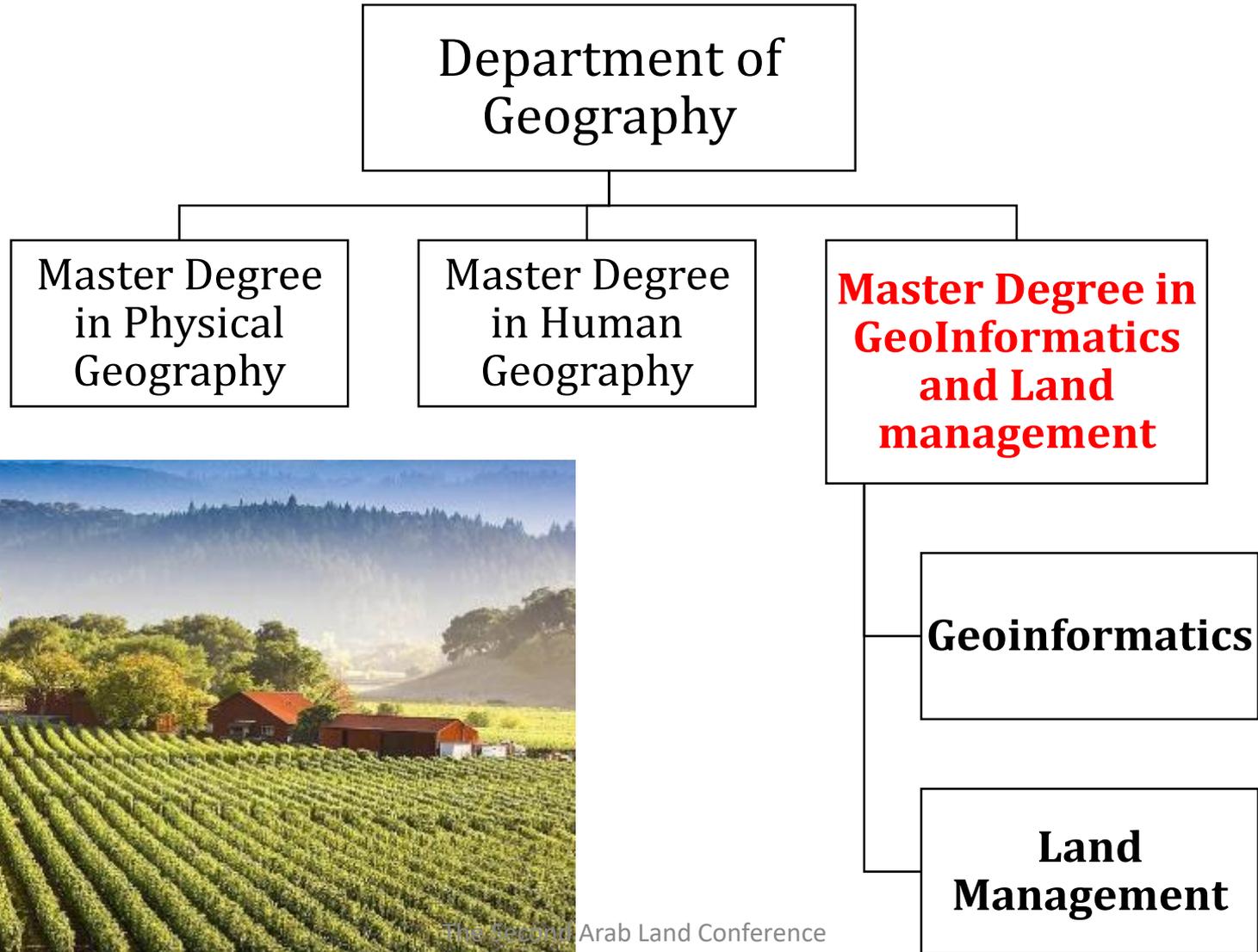
Capacity development will help in solving land issues like:

1. Land conflicts (land experts capacity building)
2. Cadastral Development (updating and making cadastral plan).
3. Urban planning (updating and making master plans).
4. Land uses to strengthen the local economy etc...



Were the Capacity development in Land Management ?

Faculty of Letters and Human Sciences



The Second Arab Land Conference

?

Based on the issues listed above and the need of Land management capacity development, the Lebanese University is working for the implementation of a Master degree in

Geoinformatics and land management.



who could develop his capacity in land management?

Lebanese University

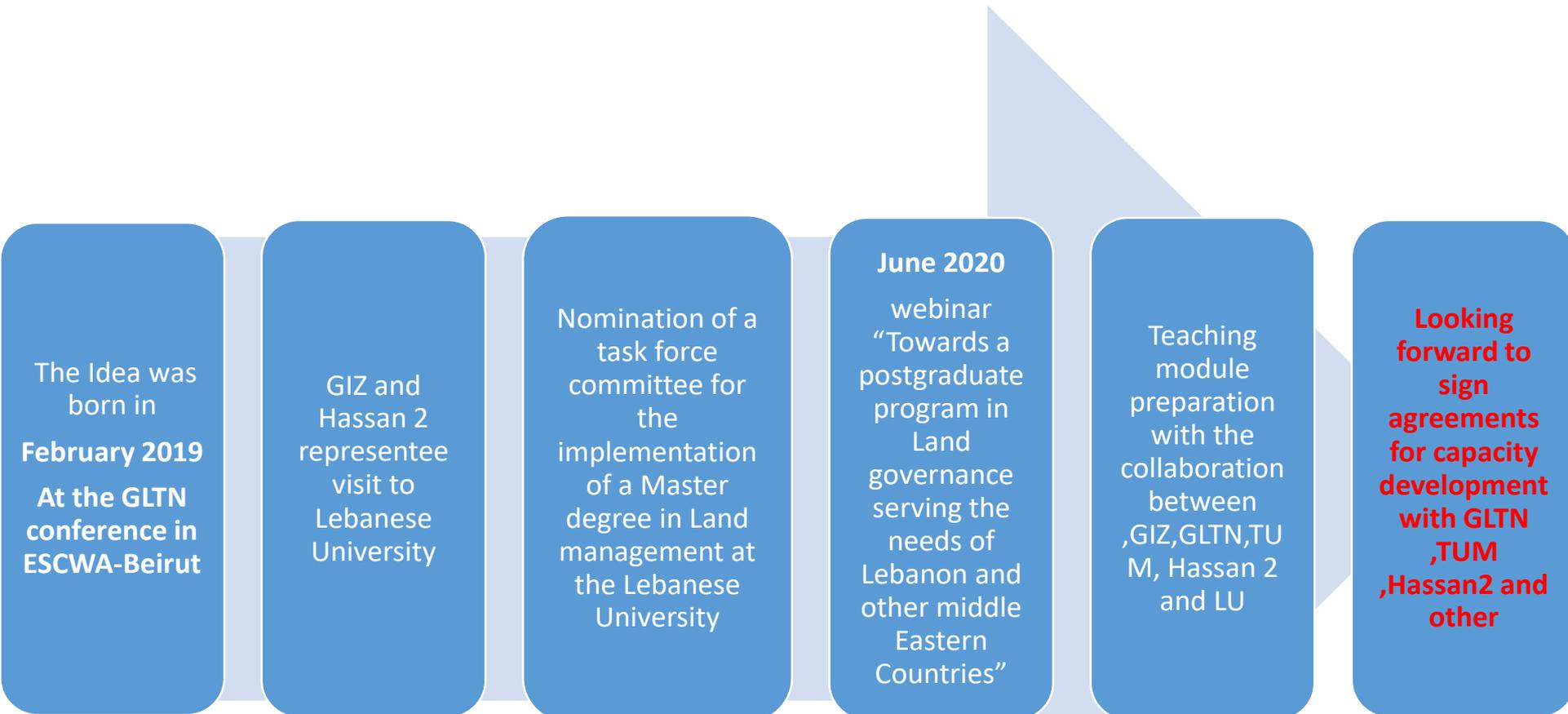
GeoInformatics

Geographer
Agricultural Engineer
Surveying Engineer
Civil Engineer
Computer Science
CCE Engineer
Archeologic

Land Management

Geographer
Agricultural Engineer
Surveying Engineer
Civil Engineer
Architect
Economy specialist
Lawyer
Archeologic
Urban Planner¹⁰

The Road map of Land management capacity development in the Lebanese University



With the support of GIZ, GLTN ,TUM and the University of Hasan 2 an educational module draft was made as follow:

First semester both majors Geoinformatics and land management are together

Credits	Module name	Code
24	Mandatory course	
3	Research Skills in Geography (Methods, Language /Academic writing)	METH M1500
4	Introduction to Geoinformatics	GEIN M1000
3	Mathematics for Geoinformatics (linear algebra)	GEIN M1001
4	Introduction to photogrammetry and Remote Sensing (LIDAR-UAV)	PHRS M1000
3	Digital Mapping (map projections and coordinate systems)	DMAP M1000
3	Geostatistics	GEIN M1002
4	Introduction to Land Management, Land Governance and Land Policies, Land Tenure Systems	LAMA M1000
6	Two elective courses	
3	Real estate economics (land management)	LAMA M1001
3	Spatial and/or environmental planning (Geoinformatics)	GEIN M1003
3	Integrated land and water management (Land management)	LAMA M1002
3	Pollution and Climate Change (Geoinformatics)	GEIN M1004
30	total	

Second semester the two majors are separated

	Mandatory course	
30	Geoinformatics	
5	Introduction to Geographical information systems.(spatial analysis) Geoinformatics	GEIN M2000
5	Photogrammetry and image processing	GEIN M2001
5	Geo-DBMS and web mapping	GEIN M2002
5	Advanced Remote Sensing and computer vision	GEIN M2003
5	Geodesy and navigation systems	GEIN M2004
5	Programming	GEIN M2005
30	Land Management	
5	Geographic information modelling (e.g. CityGML, spatial planning)	LAMA M2000
5	Regional planning	LAMA M2001
5	Land Tenure ,Land law and land policies	LAMA M2002
5	Cadaster and land registration	LAMA M2003
5	Land Economics, valuation and land taxation	LAMA M2004
5	Rural and community development	LAMA M2005

Third semester modules

عدد الارصدة	اسم المقرر	الرمز
	Mandatory course	
30	Geoinformatics	
5	Research in Geoinformatics (Nature and methods)	GEIN M3000
5	Geographical Information Management (GIM)	GEIN M3001
5	Cartography and Geovisualization (3D)	GEIN M3002
5	Digital terrain analysis	GEIN M3003
5	Virtual and augmented reality (multimedia technique)	GEIN M3004
5	Artificial Intelligence in Geography	GEIN M3005
30	Land Management	
5	Research in Land management (Nature and methods)	LAMA M3000
5	Land Development and administration	LAMA M3001
5	Land Development (incl. spatial development, investments, constructions, etc.)	LAMA M3002
5	Land Governance and land policy	LAMA M3003
5	Land Information Infrastructure	LAMA M3004
5	Land conflict prevention and resolution, HLP restituion	LAMA M3005
30	Total	

Building a partnership for collaboration

For capacity development in land governance , We are looking forward to have agreement and twining with:

International organizations as : GIZ, GLTN and others
Universities: Hassan 2, Munich Technical University and others.

After lunching the program of department could be a research center for GIZ and GLTN projects in the region (Surveying, GIS, Cartography, Hydrology, climate change, urban planning and Land Governance projects)



Thank you

