



GIS Needs Assessment in Palestine

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1. Introduction

This project aims at developing a GIS educational curriculum for undergraduates and postgraduates at Birzeit University (BZU) and Al Quds University (AQU) as well as conducting five GIS training courses for professionals at House of Water and Environment. These professional courses will attract engineers and managers who deal with GIS applications from different Palestinian institutions such as ministries, municipalities and research and development organizations. The GIS educational curriculum and the professional courses will be developed jointly with Newcastle University (UK) and Lund University (Sweden). The project is funded by the European Commission-Directorate-General Education and Culture.

The study team has developed a questionnaire with the aim to assess the GIS needs at the different universities and professional organizations in Palestine. The questionnaire is attached to this report as appendix A.

Thirty one questionnaires were filled by the establishments presented in Table 1 below. It should be noted that many questionnaires were sent to different establishments and we only received 31 filled.

Table 1: Palestine Establishments filled the GIS Needs Assessment

Universities	Ministries and Governmental Institutions	Municipalities	Others
Hebron University	Ministry of Education	Bethlehem Municipality	Good Shepherd Engineering & Computing
Palestine Polytechnic University	Palestinian Central Bureau of Statistics	Hebron Municipality	Land Research Center
Al-Quds University	Ministry of Public Works & Housing	Jericho Municipality	Palestine Academy
Bethlehem University (WSERU)	Environment Quality Authority	Tulkarem Municipality	Center for Architectural Conservation (RIWAQ)
Birzeit University	Ministry of Local Governments	Beitunia Municipality	Applied Research Institute-Jerusalem
	Ministry of Planning	Ramallah Municipality	Meteorological Office
	Palestinian Economic Council for Development and Reconstruction	Al Bireh Municipality	Jenin Governorate
	Palestinian Water Authority	Beit Sahour Municipality	Jerusalem Water Undertaking
		Jenin Municipality	Project Management Unit at Palestinian Water Authority
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2. Questionnaire analysis method

The questionnaire comprises of the following issues related to GIS applications in Palestine:

- A. General Information.
- B. Institution details.
- C. Institutional GIS use details.
- D. Institutional GIS needs.
- E. Data creation.
- F. Data storage.
- G. Web GIS database.

The questionnaire includes different types of questions such as yes/no items. This would help build a good idea about the level of GIS adaption in each institution. The analysis would definitely assign the different aspects of each subject. The approach of analysis is basically built of the percentage of each answer. More explanation and further details are provided to help illustrate the trends in GIS applications.

In this report we analyze each question separately by finding the trends in the answer of each question. Then, a sort of combination and correlation to arrive at useful conclusions.



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