


## Hydrogeological Survey in Faryab - Afghanistan

TRAINING COURSE SUMMARY SHEET			
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<b>Course title:</b>  <b>Preparing of Thematic Maps using software</b>		<b>Course no:</b> 2.3  <b>Date prepared:</b> 20 June 2012	
<b>Training purpose</b>	To enable Engineers, technicians, hydro-geologists and MIS persons to prepare maps those have a special features based on themes (thematic map = a chart or a map that will show a selected theme and is connected to a geographic area like Afghanistan). Such maps will show the provinces and districts in Afghanistan with the roads and other features that are desirable. Special maps can show wells or density of the population.		
<b>Target group</b>	Education level (degree/technicians etc): Engineers, technicians and hydro-geologist and MIS personnel	Experts/national planners/provincial/district: National planners and provincial and district level	
<b>Course details:</b>	Course language(s) English / Dari	Duration (days); 2 + 3 practical's	No. participants/ course: Depends on computers available
	Planned course location(s) Kabul & Maimaina	Responsible presenter	Theoretical /practical/training? Theoretical and practical
<b>Summary syllabus</b>	<p>The data sets used in course 2.1 and 2.2 to be used. The experience of the participants will enable to make reasonable maps that can be used to visualize the themes required for planning of water or WASH interventions.</p> <p>The participants will make use of very simple software and other easily available software while being made aware that other software is available to be used by organisations but those pieces of commercial software can cost considerable sums of money and require extensive training and frequent use to ensure good use and value of investments.</p> <p>Day 1 will be a recap on the previous activities and the preparation of data sets. Further preparation and manipulation of the data sets into appropriate information and how to ensure that the data are put into the right perspective.</p> <p>Day 2 How to make maps with the software available. How to incorporate the data as complete thematic maps.</p> <p>Day 3 The participants will prepare one district based map with one, two and three sets of data.</p> <p>Day 4 The participants will prepare data sets on provincial basis with various underlying features</p> <p>Day 5 The participants will attempt a country wide map with two data sets like the concentration of the population against water points and recognize the gaps.</p> <p>On the basis of course 2.1, 2.2 and 2.3 the participants can go for further courses in preparing maps.</p> <p>(prepared by responsible officer)</p>		
<b>Training equipment required</b>	Equipment that must made available for course: A computer for each participant with the relevant software; one colour printer that can print A3 size maps otherwise A4 will do as an exercise.		

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<b>Training material</b>	<p>Existing material that can be used and from where: Materials are available from Google Maps, shape files from the various departments, and other relevant materials as used in course 2.1 &amp; 2.2, other materials prepared from NRVA, MICS, CSO, FEWS and others.</p> <p>Material that needs to be developed or purchased and by whom: Development of the sets of materials from the above mentioned sources.</p>
<b>Field/practical training.</b>	<p>Preparations needed, responsible officer(s) Data sets to be prepared, samples prepared that can be used by the participants to make simple maps. Trainer will require one week to get all the materials together.</p>
<b>Prepared by</b>	<p>Prepared by: L. Vijselaar</p>