

Project title		Study of impacts of the M2/1 gas pipeline on sections Rogaška Slatina-Trojane and Trojane – Vodice on flood areas						
Name of legal entity	Country	Overall project value (EUR)	Proportion carried out by legal entity (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of partners if any
Oikos d.o.o.	Slovenia	40,700	100 %	7	Geoplin plinovodi d.o.o.	National – private	2009 – 2010	
Detailed description of project						Type of services provided		
<p>The aim of the Study of impacts of the M2/1 pipeline on sections Rogaška Slatina-Trojane and Trojane-Vodice on flood areas was to determine if building the pipeline in question, in accordance with proposed national spatial plan, will have any effect on existing flood areas.</p> <p>Using “screening” and “scoping” methods, critical sections of the pipeline were determined and investigated by collecting detailed data on the location (field work). At the same time, analysis of all relevant hydrological data for surface waters in the area was carried out and terrain data was collected (LIDAR, DMR5, field work). All the collected data presented the basis for the mathematical calculation of flood areas and their changes after building the pipeline (HEC-RAS). In the last phase, an evaluation of impacts was carried out, on the basis of criteria determined in advance, and mitigation measures were defined.</p> <p>Due to the fact that the pipeline in question will be built underground and adequate mitigation measures taken in account in the planning phase, it was assessed that building the pipeline will have no substantial impacts on existing flood areas.</p>						<ul style="list-style-type: none"> • Preliminary GIS analysis of pipeline corridor, • Determining of criteria for definition of critical sections, • Definition of critical sections, • Analysis of current state of surface waters, • Analysis of hydrological and terrain data, • Investigation and collection of detailed information on critical sections (field work), • Mathematical calculation of flood areas (HEC-RAS), • Creation of flood risk maps, • Evaluation of impacts, • Definition of mitigation measures. 		