

		Flood study for several Municipalities in Slovenia						
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	19,800	100 %	7	Municipalities	National	2009 – 2010	
Detailed description of project						Type of services provided		
<p>The aim of the flood areas study is to define flood areas and determine if the implementation of a new spatial plan for the municipality will have any effect on these flood areas.</p> <p>Using “screening” and “scoping” methods, critical sections are determined and investigated by collecting detailed data on the location (field work). At the same time, an analysis of all the relevant hydrological data for surface waters in the area is carried out and terrain data is collected (LIDAR, DMR5, field work). All collected data present the basis for the mathematical calculation of flood areas and their changes after the implementation of the spatial plan (HEC-RAS). In the last phase, an evaluation of impacts is carried out, on the basis of criteria determined in advance, and mitigation measures are defined.</p> <p>This study represents an important scientific and strategic document that deals with flood areas and flood risk assessment, on which a municipality can determine its spatial policy and undertake the necessary measures to ensure public safety and the safety of property.</p> <p>Clients: Municipalities Lukovica, Poljčane.</p>						<ul style="list-style-type: none"> • Preliminary GIS analysis of the area, • Determining criteria for definition of critical areas, • Definition of critical areas, • Analysis of current state of surface waters, • Analysis of hydrological and terrain data, • Investigation and collection of detailed information on critical areas (field work), • Mathematical calculation of flood areas (HEC-RAS), • Creation of flood risk maps, • Evaluation of impacts, • Definition of mitigation measures 		