

1 Outline for PEZA EID GIS

Project	EID Information Management System – GIS Component	
Proposed Service Provider	Service Provider	available Budget: xxxxx € (equipment, programming, and provision of geodata) Capacity Development: additional budget
Background	PEZA is promoting implementation of its Eco-Industrial Development (EID) approach in public and private economic zones. For implementation of EID measures comprehensive information is required, this includes technical data to be stored in a database as well as geographical information to be stored and handled in a GIS.	
Purpose	<p>Purposes of a GIS for implementation of EID measures are:</p> <ul style="list-style-type: none"> • Visualisation of information stored in the database of the IMS in a spatial context: e.g. presentation of the performance of the zone with regard to environmental qualities; status of utilities (STP interconnection, power lines etc.) • Facilitation of planning and management in the economic zone: e.g. with regard to disaster risk management (spatial display of relevant infrastructures, display of specific risks, risk analysis). • Support of investment promotion: e.g. display of vacant lots and their features on a platform accessible for potential locators. 	
Scope	<p>The system will provide user specific access;</p> <ul style="list-style-type: none"> • system managers in the headquarter (ESG, MIS) will have overall rights; • responsible staff in the ecozones (FISD, EMD?) will have access and editing rights only to data specific for their zone; • For locators and potential investors the system will provide an internet based viewing function, displaying only selected information without any possibilities to edit. • For PEZA managers the system will provide dashboard functions giving spatial information on the environmental performance of the zone(s) 	
Set-up	<p>The system will be located on PEZAs MIS-Server at the headquarter. Management of the system will be provided with the following set-up:</p> <ul style="list-style-type: none"> • IT issues: responsible unit MIS (hardware, backup, security, online access functions) • GIS issues; ESG (standard data catalogue, integrity of spatial data, GIS functionalities, display functionalities, reporting and analysing procedures) • Local issues: FISDs (additional local data exceeding the standard data catalogue (e.g. photos; updating of local geographical information) <p>The system will be linked with the database of the PEZA EID Information Management System. As much information as possible will be stored in the database. Only database information (attributes) specific to the GIS layers or exceeding IMS database structure will be stored in the GIS database.</p>	

Procedures for Quality Assurance	<p>For quality assurance a management manual and user handbook have to be provided; both will be integral part of PEZA's EID Management Manual; Following procedures will be essential (list to be amended):</p> <ul style="list-style-type: none"> • updating procedures for (geographical) information • integrity checks – linkage to IMS; • design and implementation of new procedures / modules • expansion of data catalogue • handling of local data
To be provided by PEZA	<p>Following information / standards will be provided by PEZA (list to be amended):</p> <ul style="list-style-type: none"> • database structure of the IMS • technical data, standards, security issues of PEZA server and PEZA ISO 9000 TQM • standard data catalogue (to be developed in discussion with the service provider); catalogues of zone specific data (specific for MEZ1) both including provisional codeplans • list of required GIS and display functions (e.g. dashboard) • list and contact details of responsible staff (MIS, ESG, FISD) • spatial information (maps, CAD files if any, cadastre information etc) for production of GIS layers
Capacity Development	<p>For proper establishment of the GIS comprehensive capacity development will be required.</p> <p>Target Groups and scope of CapDev:</p> <p>responsible GIS Manager and deputy (ESG):</p> <ul style="list-style-type: none"> • Has to understand GIS philosophy and set-up; • be able to draft new functionalities (implementation might be executed with external support) • be able to use GIS and ensure data integrity • has to perform above listed duties <p>IT Manager and deputy (MIS):</p> <ul style="list-style-type: none"> • basic understanding of GIS requirements in terms of IT technology <p>local GIS officer and users (FISD-MEZ, EMD):</p> <ul style="list-style-type: none"> • use of functionalities • data management and editing <p>Capacity development shall be implemented through training courses, hands-on training and provision of technical support.</p> <p>Training materials and users manual shall be provided by the service provider in hard and softcopy.</p>
Schedule	<p>Implementation and capacity building have to be executed before end of August, 2009.</p>