

GIS Based Decision Support Tool for Remediation Technology Selection

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Abstract: - Development and use of remediation technologies for contaminated soils and water progresses at a very fast pace and thus a large number of cleanup alternatives emerge. The selection of the most appropriate Remediation technology for the given site must be based on many, usually conflicting, criteria. To successfully apply all these criteria a multicriteria decision support system (DSS) is needed. Such a system must have access to data from evaluation of remediation technology performances according to all given criteria. As the managing of all environmental data is usually accomplished with a Geographical Information Systems (GIS) it is the most suitable environment for an environmental multicriteria DSS. We will present one multicriteria DSS which is integrated into the GIS platform in order to make the appropriate decision making possible directly from GIS environment

Key-Words: - Decision support Systems, Geographic Information System, Remediation technologies, Multicriteria Decision Making

The work reported in this paper has been partly supported by EC FP6 project SARIB (sustainable Management of Sava River Basin), under the contract. INCO-CT-2004-509160, and partly by the Serbian Ministry of Science and Environmental Protection (contract No. TR-6103A)