



REGIONAL OFFICE FOR SEE
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ENVIRONMENTAL MANAGEMENT, HEALTH, ENERGY AND AGRICULTURE DEPARTMENT

Company Profile and Selection of Project References

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Leaders in Consulting and Engineering Services in Southeast Europe

Together for a better future



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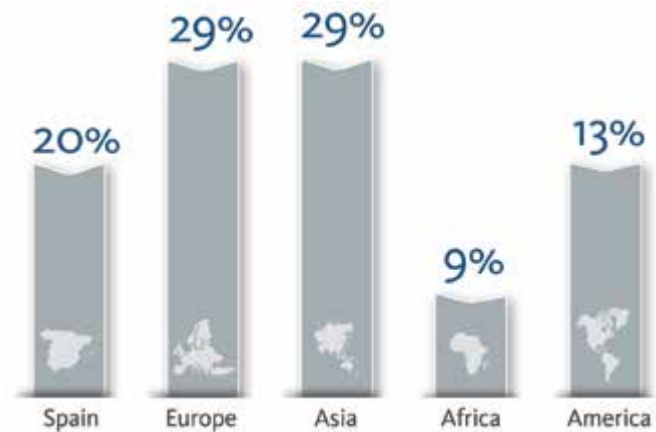
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ABOUT EPTISA

Founded in 1956, EPTISA is considered one of the soundest and most relevant **consulting, engineering, architecture, and information technology** companies from Spain. In the course of more than 60 years of operation, EPTISA has become a synonym for quality and professionalism, demonstrating its ability to respond to the demands of an increasingly complex and challenging market.

With 110 million Euros income in the last year and with more than 100 projects under implementation in over 45 countries worldwide, EPTISA can fulfill the requirements of every public or private entity. Our commitment to comprehensive and client-oriented services make us a global player in the fields of **Transport Infrastructure, Water and Environment, Building and Architecture, Energy, Health, GIS and Information Technologies, and Socioeconomic Development and Public Administration Reform**, applying state-of-the-art technologies in order to simultaneously advance towards sustainable development.

GEOGRAPHIC DISTRIBUTION



With a presence in over 45 countries and a network of 25 well established local offices, Eptisa is a **global company that acts locally, close to the client and the civil society in which we intervene.**

Experience

• *Ongoing projects* • *Experience*

Europe

- Albania
- Armenia
- Azerbaijan
- Belarus
- Bosnia & Herzegovina
- Bulgaria
- Croatia
- FYROM
- Georgia
- Greece
- Ireland
- Italy
- Kosovo
- Montenegro
- Moldova
- Portugal
- Romania
- Serbia
- Spain
- Turkey
- Ukraine
- United Kingdom

America

- Argentina
- Bolivia
- Brazil
- Canada
- Colombia
- Costa Rica
- Chile
- Dominican Republic
- Ecuador
- El Salvador
- Guatemala
- Haiti
- Honduras
- Nicaragua
- Mexico
- Panama
- Peru
- Uruguay
- USA
- Venezuela

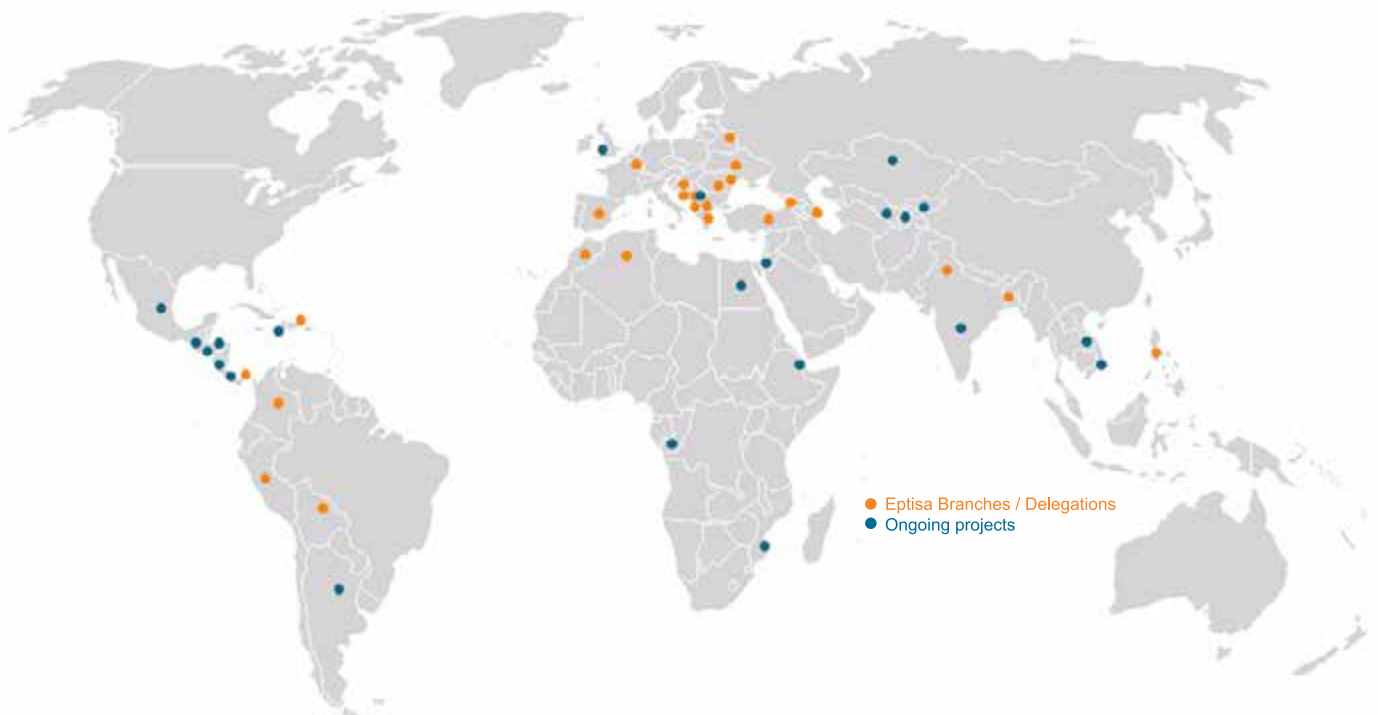
Asia

- Bangladesh
- China
- India
- Jordan
- Kazakhstan
- Kyrgyzstan
- Laos
- Palestine
- Philippines
- Qatar
- Syria
- Tajikistan
- Uzbekistan
- Vietnam

Africa

- Angola
- Algeria
- Congo
- Djibouti
- Egypt
- Equatorial Guinea
- Mauritania
- Morocco
- Mozambique
- Namibia
- Senegal
- South Africa
- Sudan
- Tunisia

EPTISA WORLDWIDE



KEY FIGURES IN OUR INTERNATIONAL ACTIVITY



110 million Euros
gross income

+45
countries with
ongoing projects



182
million Euros of project
portfolio backlog

Eptisa's Timeline

- 1956 ● **EPTISA HEADQUARTERS**
Madrid, Spain
- 2004 ● **EPTISA ROMANIA SRL**
Bucharest, Romania
- 2005 ● **EPTISA SERBIA (SOUTHEAST EUROPE REGIONAL OFFICE)**
Belgrade, Serbia
- 2007 ● **EPTISA MUHENDISLIK LTD**
Ankara, Turkey
- 2008 ● **EPTISA GREECE BRANCH**
Athens, Greece
- 2011 ● **EPTISA GEORGIA BRANCH**
Tbilisi, Georgia
- 2011 ● **EPTISA UKRAINE**
Kiev, Ukraine
- 2012 ● **EPTISA INDIA PVT LTD**
Gurgaon, India
- 2012 ● **EPTISA HAITI BRANCH**
Port au Prince, Haiti
- 2014 ● **EPTISA ARGEL BRANCH**
Algiers, Algeria
- 2015 ● **EPTISA PHILIPPINES**
Manila, Philippines
- 2015 ● **EPTISA MIDDLE EAST ***

*expected year of opening a regional office for Middle East

Over
700 in-house
professionals



1000 professionals dedicated
to international projects

TECHNOLOGY

The introduction of the latest technologies has allowed the reinforcement of our leadership by combining experience and innovation towards projects with high added value. In our daily activities, we use the latest technologies and have our own software development department with skillful technicians who create top quality internal-use software as well as commercial packages, always meeting the requirements of our most demanding clients.

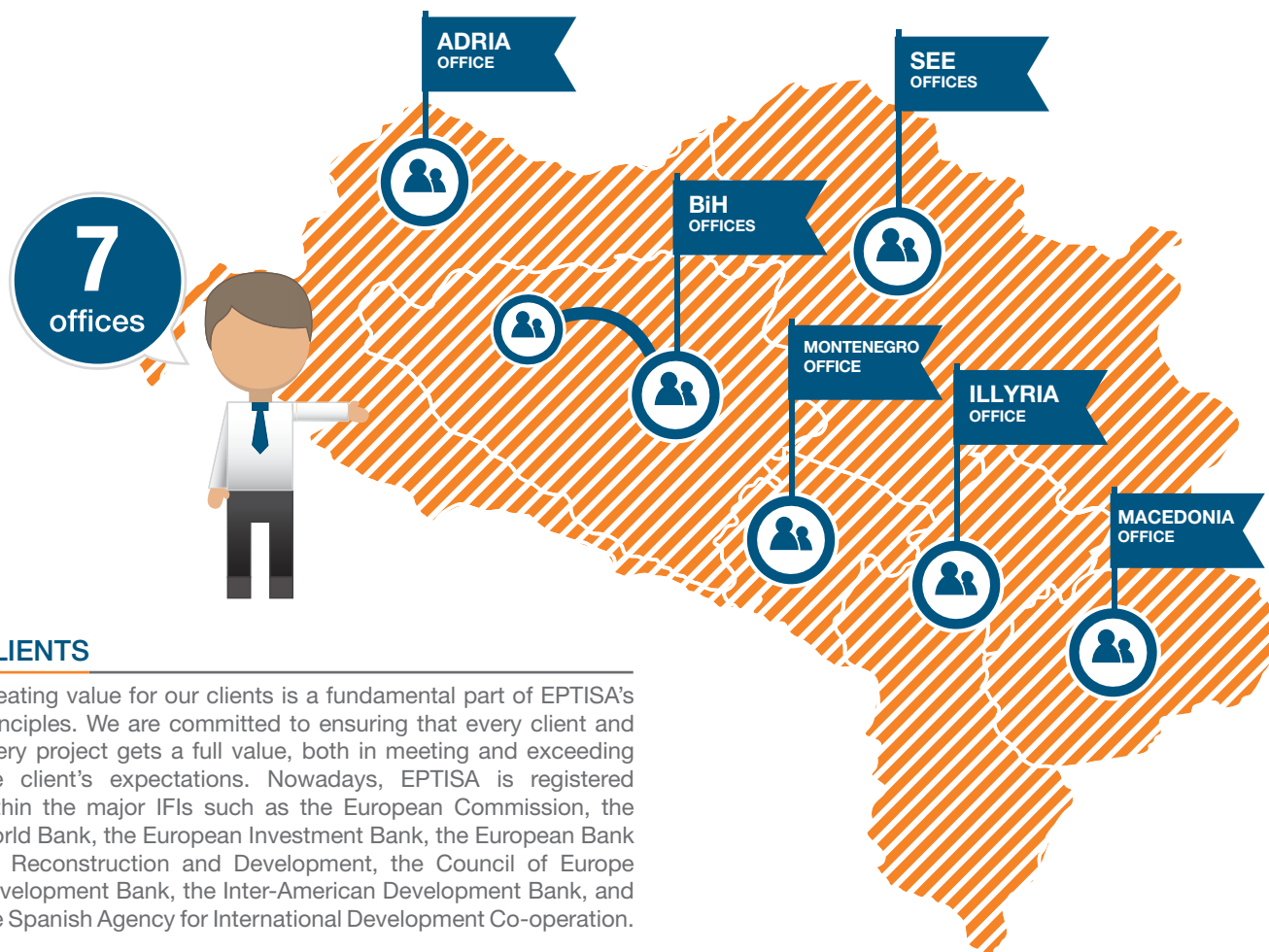
QUALITY

Our permanent commitment towards the highest quality standards and environmental damage minimisation allowed us to be awarded in the early 90's with the quality and environmental standards certifications ISO 9000 and ISO 14000, both issued by the competent Spanish authority (AENOR). Moreover, EPTISA is accredited by the ENAC (National Accreditation Body) as an Authorised Inspection Entity under norm EN4504 in the environmental field for water, air and noise. We were also recently awarded with the ISO 9001 management system standards certificate issued by Bureau Veritas.



DISTRIBUTION BY SECTOR





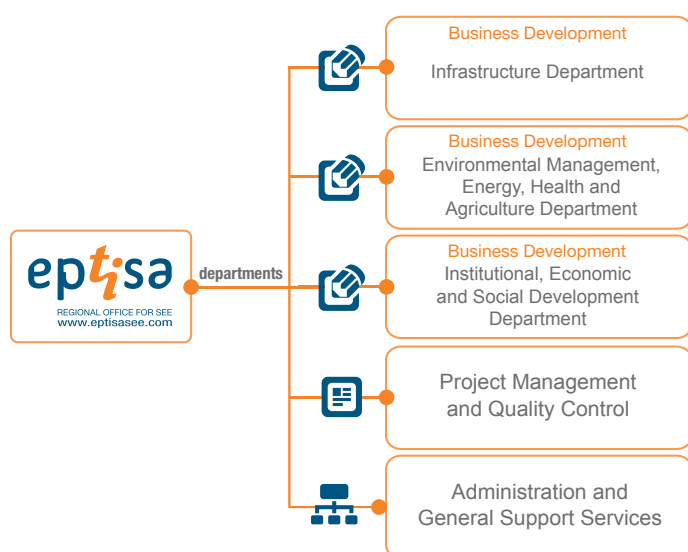
CLIENTS

Creating value for our clients is a fundamental part of EPTISA's principles. We are committed to ensuring that every client and every project gets a full value, both in meeting and exceeding the client's expectations. Nowadays, EPTISA is registered within the major IFIs such as the European Commission, the World Bank, the European Investment Bank, the European Bank for Reconstruction and Development, the Council of Europe Development Bank, the Inter-American Development Bank, and the Spanish Agency for International Development Co-operation.

EPTISA'S PRESENCE IN THE REGION

For twenty years EPTISA is positioned in the countries of Southeast Europe as one of the largest and soundest consulting, engineering, architecture, and information technology companies. Nowadays, EPTISA operates subsidiary companies in Albania, Bosnia and Herzegovina, Croatia, Kosovo*, the FYR of Macedonia*, Montenegro and Serbia.

efforts of EPTISA in the region. Composed of a multidisciplinary team of national and international staff, the Office is organised in three Competence Units (Infrastructure, Environmental Management, Health, Energy and Agriculture, as well as Socio Economic Development and Public Administration Reform), and is specialised in the provision of technical assistance services to public institutions and to the private sector of countries in the Southeast Europe region.



In 2012 EPTISA sets up a subsidiary company in the Republic of Croatia and in 2013 in the FYR of Macedonia and in Bosnia and Herzegovina. The new companies, named EPTISA Adria d.o.o., EPTISA Macedonia and EPTISA Bosnia and Herzegovina coordinate all the commercial efforts and undertakes the project management for all the assignments implemented by EPTISA in this countries. In 2014 EPTISA continued its expansion in the region with the opening of an office in Montenegro. Completing the network of country offices, in 2015 we will set up EPTISA Ilyria, covering the territories of Albania and Kosovo.

With more than 100 relevant projects implemented in the last decade, nowadays EPTISA is recognised as one of the leading consulting and engineering groups in the region, being characterised for its proximity to the client, for its understanding of the regional peculiarities, and for its strong project management capabilities.

Since 2002, the activities of EPTISA in the Southeast Europe (SEE) experienced a enormous growth, leading to the establishment of a permanent structure in the area. Thus, the opening in March 2005 of our Regional Office for Southeast Europe in Belgrade, Serbia, leveraged even more the commercial and management

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ENVIRONMENTAL MANAGEMENT SECTOR UNIT

Selection of Project References

We provide a range of technical assistance to clients in both public and private sector from SEE countries, to improve their environmental management performance. Our approach ensures that the environmental, technical and commercial requirements of projects are tackled in a skilled, integrated and flexible way.

We provide effective solutions across the following fields:

- Institutional strengthening and capacity building of environmental authorities at all levels;
- Environmental policy, regulations, and enforcement;
- Environmental assessment and audit;
- Development and implementation of various economic instruments;
- Waste management (municipal solid waste, industrial and hazardous waste, etc.);
- Water resources management, RBM and flood control;
- Industrial pollution control and risk management;
- Air quality management;
- Soil pollution and soil remediation;
- Forestry, nature conservation and biodiversity;
- Regional and urban sustainable development;
- Environmental information, communication and public awareness;
- Environmental due-diligence.

Capacity Building in the Water Sector



Client: EU Delegation to Bosnia and Herzegovina **Origin of funding:** EU-IPA

Description:

The overall objective of this Contract is to develop administrative capacity in the field of water management in line with the environmental acquis and international obligations and to improve environmental infrastructure. The purpose of this contract is to 1) Support the transposition and implementation of EU water-related Directives, and 2) Improve the management of water resources of the Sava River basin by developing the country's administrative capacity and so enable the designated authorities to prepare a River Basin Management Plan (RBMP) in line with existing legislation, environmental acquis and international obligations of BiH.

The intervention is divided into the following 5 tasks:

- Assistance in Transposition and Implementation of Water-Related EU Directives;
- Technical Assistance in the Preparation of the Sava River Basin Management Plan;
- Water Tariff Policy Framework;
- Long-Term Capacity Building in the Water Sector;
- Water Information System.

Activities:

- Provision of the assistance in full transposition and implementation of the water-related EU Directives;
- Preparation of the report on progress towards transposing the Directives;
- Assessment of the overall degree of legislative implementation of the Directives in each Entity;
- Provision of guidance and support to Entity resources engaged in the transposition process;
- Preparation of the Sava RBMPs in line with the requirements of the FBiH and the RS Laws on Waters;
- Preparation of the Water Tariff Policy Framework that will ensure a uniform tariff setting process;
- Preparation of the Long-Term Capacity-building Plan;
- Review of the current Water Information System in each of the two entities, and an Action Plan for enhancement of the existing or the establishment of the new System;
- Project management and backstopping.

Strengthening of BiH Environmental Institutions and Preparation for Pre-Accession Funds



Client: EU Delegation to Bosnia and Herzegovina **Origin of funding:** EU-IPA

Description:

The overall objective of this Contract is to contribute to environmentally sustainable economic development by bringing BiH close to EU environmental standards, and by strengthening administrative structures and fostering the approximation with the requirements of the EU Environment Acquis.

The purpose of the intervention is strengthening of technical, administrative and IPA-compliant programming capacities of the institutions involved in environmental management in BiH to ensure the implementation of soft and infrastructure measures for achievement of the EU environmental standards.

The intervention is divided into the following components:

- Institutional Support;
- Legislative approximation and policy-making;
- Implementation of International Obligations;
- Environmental Monitoring System Support and Public Communication;
- Preparation for access to Pre-Accession Funds Support.

Activities:

- Improving the understanding of the implications of EU accession;
- Implementation of coordination and harmonisation procedures amongst all administrative levels needed for implementation of the EU Acquis;
- Preparation of the Environmental Approximation Position and Strategy;
- Preparation of Implementation Programmes (IPs) for selected environment (EC) Directives;
- Preparation of a State-level national environmental policy;
- Drafting procedures and IPs to implement and meet the obligations from international conventions and protocols;
- Organisation of the National Environmental Monitoring and Information System;
- Improving communication and public campaign activities of the State level BiH environment administration;
- Capacity-building in project preparation, environmental economics and appraisal for investment planning to improve access to EU funds;
- Support to preparation of operational programmes to access IPA funds and to facilitate co-financing and coordination with other donors/ IFI activities;
- Project management and backstopping.

Support to Implementation of the Birds and Habitats Directives



Client: EU Delegation to Bosnia and Herzegovina **Origin of funding:** EU IPA – SIDA

Description:

The overall objective of the project is to contribute to environmentally sustainable economic development by bringing the country closer to the EU environmental standards, through strengthening administrative structures and fostering the approximation with the environmental acquis requirements.

The purpose of this project is to support the BiH institutions in approximation of the EU Birds and Habitats Directives' more specifically, transposition and implementation of the Directives' provisions through the Entities' Nature Protection Laws. The project also supports initial steps for starting with the development of a NATURA 2000 network and its corresponding implementing strategy and management plans.

Activities:

- Development of NATURA 2000 proposal and consultation process;
- Drafting of Guidelines for the preparation of NATURA 2000 management plans;
- Development of the management plan for three proposed NATURA sites;
- Preparation of Regulations/Ordinances to support establishment of NATURA 2000 network;
- Elaboration of the NATURA 2000 information system- activities;
- Raising public awareness.

Development of the Model for Hydrological Predictions, Forecasting and Decision Making and Preparation of the Plan, Guidelines, Training Program for Optimal Management of Multi-purpose Reservoirs in the River Basins of Neretva and Trebisnjica



Client: Ministry of Foreign Trade and Economic Relations of BiH/ Croatian Waters
Origin of funding: GEF Trust Fund

Description:

The project contributes to strengthening the integrated management of water resources in BiH in accordance with the EU Water Framework Directive (WFD). In particular, the project focuses on supporting the River Basins Management of Neretva and Trebisnjica in development and implementation of mathematic model for hydrological predictions, operational rules for HPP, forecasting and deciding, and making of the plan, guidelines and training program for optimal management of multi-purpose reservoirs of hydro-power plants.

Activities:

- Strengthening the integrated water resources management in accordance with the EU WFD;
- Improving the River Basins Management of Neretva and Trebisnjica;
- Development of model for hydrological predictions, forecasting and deciding;
- Hydrological analysis of the area and the establishment of hydro-graphs of high water for different returning periods of time;
- Development of a hydrological model for Trebisnjica and hydrological model for lower flow of Neretva downstream from Mostar to the border with the Republic of Croatia;
- Hydrological and Hydraulic analyses;
- Development of a Decision Making Software;
- Analysis of operations of hydro-power systems, operational rules for particular hydro-power structures in extreme cases;
- Reviewing of possibilities of optimised management of the systems in statuses of the exploitation of the system;
- Defining the strategies of system management in conditions of evacuation of high water;
- Management system in low-water conditions and emergency events;
- Project management and backstopping.

Public Relations for Project: County Waste Management Centre Marišćina in Primorsko-Goranska County

Croatia

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MARIŠĆINA

CZGO



Client: : Environmental Protection and Energy Efficiency Fund (EPEEF) **Origin of funding:** EU-IPA

Description:

The overall objective of this project is to contribute to the visibility of the project implementation (regarding the construction of CWMC Marišćina in Primorsko-Goranska County) in order to gain public support for the project and the implementation of an integrated waste management system. The purpose of this project is to increase the target groups' awareness about the necessity of construction of CWMC Marišćina in Primorsko-Goranska County.

In particular, the project focuses on informing and raising public awareness about the need for a landfill project, environmental, social, financial and health aspects, encouraging inhabitants' participation in implementation of public relations events, increasing the public acceptance, knowledge, skills and capacity of Ekoplus Ltd. as a relevant body in the process of implementing the solid waste management system in Primorsko-Goranska County.

Activities:

- Development of a data base with "easy to use" interface;
- Development of a user-friendly, functional and interactive web site for Ekoplus Ltd;
- Promotional materials (brochures, leaflets, newsletters, DVDs, etc);
- Design, publishing and distribution of advertorials with information of public interest for newspapers;
- Development and broadcasting of educational and comprehensive radio spots informing about the project;
- Trainings and study tours for Ekoplus' staff on PR issues necessary for grasping the required PR activities in the field of waste management;
- Training of the Ekoplus' PR officer enabling him/her to deliver further PR trainings;
- Holding press conferences and informing the media representatives;
- Preparation of a communication strategy enabling the public acceptance of the project;
- Increasing communication skills of Ekoplus' staff using the Manual for Public Relations procedures;
- Project management and backstopping.

Strengthening Capacities for Strategic Environmental Assessment (SEA) at Regional and Local Level



Client: Central Contracting and Financing Agency (CFCA) **Origin of funding:** EU-IPA

Description:

The overall objective of the project is to implement environmental acquis for Strategic Environmental Assessment (SEA) procedure at regional/local level, in particular for the big cities in Croatia and selected local communities according to criteria from Directive 2001/42/EC and in the eventual cases related to the SEA in transboundary context.

The purposes of the intervention are:

- Assessment of SEA/EIA legal framework, analysis of the relevant institutional development and the current training and existing capacities needs;
- Development of capacities for SEA at regional/local level through conduction of various trainings for officers involved in SEA procedures at regional and local level, including preparation of draft and final training modules;
- Development of guidelines and manuals for implementing the SEA procedure at regional and local level, which also includes screening, scoping, review, decision making and public participation.

Activities:

- Assessment of the SEA/EIA legal framework;
- Review and assessment of institutional development in Croatia, including the current training and existing capacities needs;
- Preparing training material based on the EU experiences and current practices;
- Organising and conducting training for two target groups;
- Preparing the SEA guidelines and manuals for implementing the SEA procedure at regional/local level;
- Horizontal activities: Project Visibility and Communication Plan, including Public Awareness activities;
- Project management and backstopping.

Development of Hazardous Waste Management System Including the Identification and Management of “Hot Spot Sites”

Croatia

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Client: EC/CFCA **Origin of funding:** EU

Description:

The overall objective of this project is to improve environmental conditions through the establishment of environmentally sound management of hazardous wastes (HW).

The purpose of this project is to:

- Increase the ability of relevant governmental authorities to apply and enforce the acquis relating to waste management;
- Enable establishment of hazardous waste management system according to National Waste Management Strategy;
- Improve data collection system and develop or upgrade certain segments of Waste Management Information System, in order to ensure fulfilling of national, international or the EU reporting obligations;
- Upgrade and improve the infrastructure for integrated hazardous waste management.

Activities:

- Methodology and criteria for identification of “hot spot sites”;
- Development of remediation action plans for the two “hot spot sites”;
- Review of existing sectoral and cross-sectoral procedures;
- Identification of HW sources and types and quantities of HW; Analysis of the existing system of hazardous waste data collection and reporting in relation to the EU requirements;
- Identification of the methods and facilities for HW management in the Republic of Croatia;
- Preparation of guidelines on the hazardous waste prevention and minimisation for different economy branches as well as for households.

Support for the Ministry of Environment and Spatial Planning (MESP) in Water Management and Monitoring of Water Resources



* EPTISA takes a neutral position vis a vis the political issues within the region of the Western Balkans. The designation is without prejudice to the positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

Client: EU Office in Kosovo **Origin of funding:** EU-IPA

Description:

The overall objective is to improve the state of the environment in accordance with the EU environmental acquis, and the EU best practice for providing better health and living conditions to the citizens of Kosovo. The specific objective is to strengthen the capacity of the Government of Kosovo and specifically, the Ministry of Environment and Spatial Planning (MESP), in prioritising, planning, and implementing the improvements to the water resources protection and the water management practises.

The purposes of this contract are to:

- Support the MESP and its Water Department, in development of a unified Kosovo Water Strategy, a Kosovo-wide Water Action and Investment Plan to guide planning, identification, prioritisation, and implementation of investments in the water resources sector;
- Broaden and deepen the approximation of Kosovo's practices and standards in the water resources sector with those of the EU Water Framework Directive;
- Consolidate the technical, institutional, and administrative capacity of the Water Department of the MESP and its line agencies to meet the monitoring and reporting standards of the WFD by improving the network for surface and groundwater monitoring and sampling;
- Effectively integrate the Water Action and Investment Plan into the evolving expenditure frameworks and management structure presiding over the sector.

Activities:

- Support the MESP in developing the Kosovo Water Strategy 2013–2033;
- Development of the Water Action & Investment Plan;
- Further support to water resources management information system;
- Training and capacity building activities;
- Public awareness activities related to protection of water resources;
- Promoting private sector participation in water and wastewater services;
- Project management and backstopping.

Institutional Support to Municipalities for Implementation of Environmental Laws and Regulations

Kosovo*

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Client: European Agency for Reconstruction **Origin of funding:** EU – CARDS

Description:

The overall objective of this project is:

- Sustainable improvement of environmental conditions including the management and control of water resources, to meet the EU standards, particularly in relation to public health and economic development of Kosovo;
- Support to Kosovo municipalities and the Ministry of Environment and Spatial Planning (MESP) to implement environmental laws and regulations at municipal level.

Activities:

- Strengthening the institutional capacity of Kosovo Municipalities and MESP;
- Review and assess the capacity of the municipalities to implement the obligations arising from the environmental laws;
- Assistance in establishing environment departments within municipalities and provide on-the-job trainings;
- Further elaboration of the relationship and competences of the Ministry's Inspectorate, the 5 Regional Inspectorates and the Municipal Inspectorates; Assistance in preparing additional legislation;
- Examine the possibility of establishing a central municipal environmental unit/department;
- Organisation and delivery of workshops and training;
- Project management and backstopping.

Development of National Water Tariff Study



Client: Central Financing and Contracting Department (CFCD) **Origin of funding:** EU-IPA

Description:

The overall objective of the project is to establish an economic instrument for implementation of the first steps in application of the "polluter pays" principle in the water sector related to further development of financially sustainable water investment projects.

The purpose of the project is to prepare a National Water Tariff Study for development of an economic instrument for balanced water price system and management of financially sustainable water investment projects.

Activities:

- Preparation and implementation of a stakeholders' involvement plan;
- Analysis of the existing situation at national and local level, covering legislative, institutional framework, existing tariff methodology and its application, performance of water companies, analysis of social, economic and financial conditions, etc.;
- Development of an economic instrument for effective and affordable cost recovery in the water sector at national and local level;
- Formulation of a water tariff methodology and a structure of the water tariff, including pilot examination of the proposed methodology and tariff on municipal level;
- Development of an action plan for implementation of the economic instrument;
- Project management and backstopping.

Preparation and Implementation of the National and Local Waste Management Plans



Client: EU Delegation to Montenegro **Origin of funding:** EU-IPA

Description:

The overall objective of this project is to support the government of Montenegro, in particular the Ministry of Sustainable Development and Tourism (MoSDT) and the municipalities to prepare the National Waste Management Plan. This includes Implementation Action Plan that meets the objectives and standards of the environmental and waste policies of the EU.

In addition, the aim is to provide the beneficiaries with the National Waste Strategy Document on which to base the National Waste Management Plan 2013 – 2018 and which will support the effectiveness in controlling the pollution from solid waste. This will be done through transposition and implementation of the priority legislation as foreseen in the Stabilisation and Association Agreement (SAA) and the National Programme for Integration. The purpose is also to assist the municipalities in preparing and implementing Local Waste Management Plans.

Activities:

- Institutional support and capacity building to the MoSDT;
- Review of the existing National Waste Management Plan;
- Legal gap analysis with respect to the transposition of the EU waste directives and an analysis of the administrative legislation governing the formal cooperation between municipalities;
- Recommendations for transposition of all EU waste related directives;
- Preparation of National Waste Strategy Document;
- Establishing background data and stakeholders networks;
- Development of Waste Region Management Plans and Municipal Waste Management Plans;
- Development of the National Waste Management Plan 2013 – 2018;
- Draft and implementation of a communication plan for the project;
- Project management and backstopping.

Raising Environmental Awareness in Montenegro



Client: EU Delegation to Montenegro **Origin of funding:** EU-IPA

Description:

The overall objective of this project is to improve living conditions and the image of Montenegro contributing to its further economic and social development. The direct beneficiaries are the Ministry for Sustainable Development and Tourism (MSDT), and the Environmental Protection Agency (EPA). The project stakeholders include the Office for Sustainable Development, the Ministry of Education, the Ministry of Economy, Business associations, Union of Municipalities, NGOs, schools and universities, and media.

The purposes of the intervention are:

- Assistance to the Government of Montenegro and specifically the MSDT in increasing environmental awareness of society and other stakeholders through created cooperation mechanism involving NGOs, education and training institutions, professional organisations, scientific bodies or government departments;
- Strengthening the capacity of the Government of Montenegro and in particular the MSDT EPA in planning and delivering activities aimed at encouraging citizens and other stakeholders to contribute towards greater environmental protection and sustainability;
- Improving the understanding, awareness and ownership of environmental issues at all levels of society in order to promote their active involvement and to create pressure for change.

Activities:

- Creation of awareness, ownership and support for the actions and decisions needed to implement the government's policies and strategies related to environmental awareness and education;
- Assistance in establishing efficient management and institutional framework for environmental awareness and education;
- Planning and implementation of environmental awareness campaigns;
- Preparation of promo materials and media buying plan;
- Environmental awareness education by trainings and workshops for identified target groups including business sector, NGOs, media, local communities, and schools;
- Project management and backstopping.

Support to the Ministry of Environment, Phase 1



Client: European Agency for Reconstruction **Origin of funding:** EU – CARDS

Description:

The overall objective of this project is helping Montenegro in reinforcement of its capacity to take appropriate action to control environmental pollution and to promote investment.

The specific objectives of the project are to:

- Improve the capacity of Montenegro's environmental management administrations by establishing the EPA;
- Create the legal basis necessary for the effective operation of the new institutional arrangements and to promote a further approximation of the Montenegrin environmental legislation to the Acquis;
- Provide training to the staff from the MEPP;
- Improve environmental infrastructure and establish Project Implementation Unit (PIU);
- Provide TA to the MEPP in the capacity to attract external sources of investment funding.

Activities:

- Organisational and legal changes for the establishment of the EPA;
- Institutional strengthening and capacity building to the Ministry of Environment and to the EPA;
- Organisation of training programmes for environmental institutions and inspectors;
- Environmental management, monitoring and reporting;
- Establishment of Reference Centres following EIONET;
- Training on environmental inspections;
- Development of the Manual of Procedures for the Environmental Protection Agency;
- Enforcement and approximation of environmental legislation;
- Increase of environmental awareness;
- Improve an environmental information system, environmental data collection;
- Training of public officials on environmental management;
- Project management and backstopping.

Support to the Development of Environment Sector, Phase 2



Client: European Agency for Reconstruction **Origin of funding:** EU – CARDS

Description:

The overall objective of this project is to:

- Strengthen and improve the institutional capacity of Montenegro's environmental management administration emphasising a separation of the policy and legislative responsibilities;
- Establish the Environmental Protection Agency (EPA) to allow the separation of the two responsibilities (policy and legislative);
- Provide closer approximation of Montenegrin environmental framework legislation to the Acquis;
- Make a draft of the secondary environmental framework legislation;
- Improve institutional capacity within MEPPP;
- Provide TA to the MEPPP in order to develop rationalised strategic investment plans;
- Assist the Government to establish PIU.

Activities:

- Institutional strengthening and capacity building to the Ministry of Environment and to the EPA;
- Organisational and legal changes necessary for the establishment of an EPA;
- Organisation of training programmes for environmental institutions;
- Capacity building in environmental management, monitoring and reporting;
- Training on environmental inspections;
- Development of the Manual of Procedures for the Environmental Protection Agency;
- Enforcement and approximation of environmental legislation;
- Increasing of environmental awareness, communication and stakeholders participation;
- Assessing, aligning and improving the environmental Information System;
- Environmental data collection;
- Training of public officials on environmental management;
- Project management and backstopping.

Technical Assistance for Hazardous Waste Management Facility

Serbia

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Client: EU Delegation to the Republic of Serbia **Origin of funding:** EU - IPA

Description:

The overall objective of this project is to improve the quality of the natural environment and health of the population through improved hazardous waste management.

This project assists the Ministry of Environmental and Spatial Planning (MESP) in the preparation of the planning and tender documentation that will lead to the first hazardous waste treatment facility built in Serbia according to the EU best practice.

Activities:

- Review of existing situation including hazardous waste flows;
- Stakeholder analysis and assessment of institutional capacity;
- Assessment of social impacts;
- Review options for appropriate cross-border cooperation: potential for cross-border cooperation particularly on the potential economics of hazardous waste management;
- Financial and economic analysis: determination of a suitable tariff structure and breakeven analysis;
- Awareness raising campaign;
- Review of administrative and legislative requirements for the effective operation of a hazardous waste management system;
- Training programme and study tour;
- Environmental impact assessment of the selected site;
- Prepare tender documentation, participate and assist in the tender evaluation and awarding process.

Technical Assistance for the Development of an Environmental Approximation Strategy (EAS)



Client: EU Delegation to the Republic of Serbia **Origin of funding:** EU – IPA

Description:

The overall objective of this project is to provide support to the Government of Serbia to achieve the goals of accession to the European Union and improvement of the environment by assisting in the approximation of Serbian legislation with the EU environmental acquis.

The purpose of the project is to:

- Support the Ministry of Environment and Spatial Planning (MESP) in designing and developing an Environmental Approximation Strategy (EAS), including calculating the costs & benefits of compliance;
- Support the Serbian Government in the implementation of the EAS in certain priority sectors, including transposition and implementation of legal acts, proposals for multiannual investment and compliance programmes, and design of the new financial instruments;
- Strengthen the institutional framework, procedures, public participation and administrative capacity for the approximation of the EU environmental acquis and in fulfilling its obligations under the SAA and NPI.

Activities:

- Design of the EAS for the EU acquis, and calculation of the costs & benefits of compliance;
- Gap analysis regarding the legal, institutional and financial capacity;
- Implementation of EAS in certain priority sectors;
- Assistance to the ministries in the preparation of draft legal acts for the transposition, implementation and enforcement of the EU environmental acquis;
- Transposition and implementation of the EU legal acts, developing proposals for multiannual investment and compliance programmes and the design of new financial instruments;
- Institutional analysis and institutional development to strengthen administrative capacity for environmental approximation;
- Establishment of the administrative capacity for the approximation of the EU environmental acquis and to fulfil its obligations under the SAA and NPI;
- Capacity building and training;
- Development of inter-ministerial consultation procedures and mechanisms;
- Preparation of information activities and visibility events;
- Project management and backstopping.



ENERGY SECTOR UNIT

Selection of Project References

EPTISA provides environmentally sound and sustainable energy services to a wide range of clients from the SEE countries with the aim to improve the welfare of the people and to support economic development. We have a proven capacity for developing and managing medium to large-scale multidisciplinary projects in the energy sector financed by the major IFIs such as the EC, the WB, the EIB, and the EBRD. Our national and international staffs offer a full scope of know-how and expertise including environmental, geotechnical, mining and geology specialists, civil, mechanical and electrical engineers, architects, IT specialists, economists, financial experts, policy and legal experts, etc.

With our continuous effort to maintain up-to-date with the latest trends, Eptisa has reinforced their leadership in the energy sector by bringing technological added value to our projects, combining proven expertise and innovative solutions tailored to fit with the unique conditions and requirements of each client.

Fields of specialisation:

- Institutional strengthening and capacity building of different energy authorities;
- Development and implementation of energy strategies, policies and action plans;
- Approximation of energy legislation towards EU Energy Acquis;
- Support in participation of relevant bodies/institutions in the EC mechanisms including Energy Community Treaty;
- Liberalisation, reform and development of energy markets and restructuring of energy sector;
- Review of technical codes, market opening and tariff reforms, licensing compliance and monitoring;
- Regulatory procedures, energy forecasts and energy balance;
- Design and implementation of energy efficiency and renewable energy technologies measures and options;
- Development of energy audits, pre-feasibility and feasibility studies in the EE and RES sectors;
- Development of investment plans and promotion of investments on energy-related resources;
- Climate change and GHG mitigation and adaptation measures;
- Networking and exchange of European and international best practices.

TA Support to Meet the Requirements of the EnCT with a Particular Focus on Energy Efficiency and Renewable Energies



Client: EU Delegation to Bosnia and Herzegovina **Origin of funding:** EU - IPA

Description:

The overall objective of this project is to assist in the reform of the energy sector in BiH and to create a country-wide energy market which is regulated and integrated into SEE and the EU in line with commitments to the Energy Community Treaty (EnCT), Energy Charter Treaty, Kyoto Protocol and all aspects of the Acquis Communautaire relating to energy efficiency, renewables and energy sustainability.

The project aims to address the current policy and legal gap for EE/RE in BiH by supporting implementation of EE/RE measures and capacity building at a local level providing models for implementation and replication in other municipalities and raising awareness about the potential for practical implementation of EE/RE measures on national and in municipal level.

The project includes the following 4 components:

- Demonstration projects for EE/RES;
- Institutional and technical capacity building;
- Public Education;
- Legal Framework.

Activities:

Component 1:

- Energy Audits for five municipalities;
- Recommendation for choice of two municipalities and preparation of 2 feasibility studies;
- Design and implementation of 3-7 low cost demonstration projects.

Component 2:

- Identification of set of trainers and practicing engineers for “train the trainer” approach;
- Development of training courses and provision of on-the-job training.

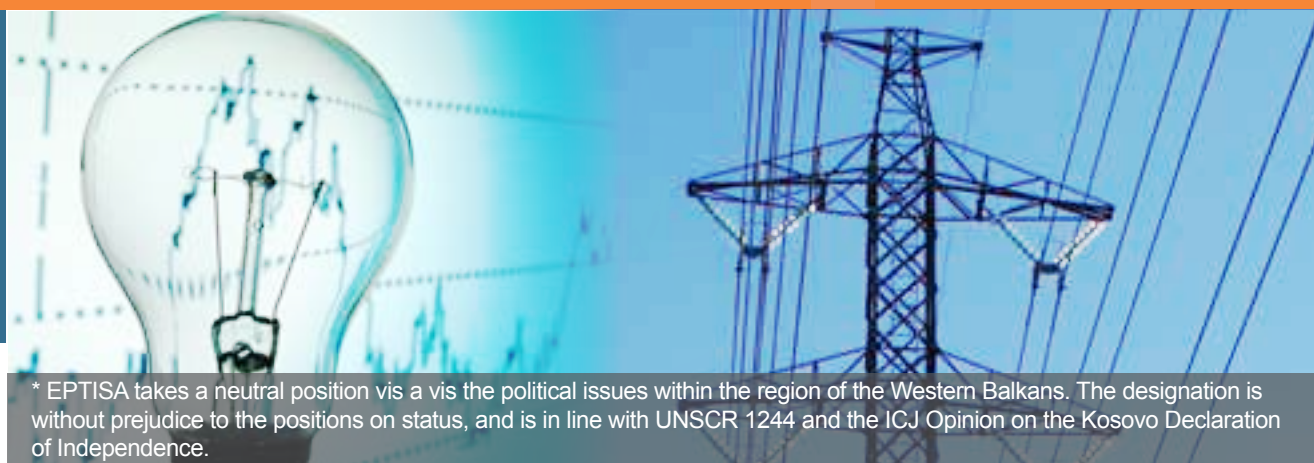
Component 3:

- Public education strategy and action plan;
- Information dissemination and public awareness related to energy efficiency and usage of renewable resources.

Component 4:

- Gap analysis of BiH legislation to meet the EU Acquis and BiH's international commitments in the field of EE and RES;
- Preparation of the legal action plans and institutional development action plan;
- Drafting legislation and designing financial incentives for promotion of EE and RES.
- Project management and backstopping.

Building Energy Efficiency Study for Kosovo



* EPTISA takes a neutral position vis a vis the political issues within the region of the Western Balkans. The designation is without prejudice to the positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

Client: World Bank **Origin of funding:** World Bank

Description:

Kosovo, as a member of the Energy Community, is focusing on energy efficiency as an important national priority. Kosovo has passed new laws on Energy and Public Procurement in 2010 and a new Law on Energy Efficiency in 2011 including the requirement for municipalities to develop energy efficiency (EE) action plans.

Despite these efforts, implementation of EE programs in the building sector has been scarce and of a small-scale nature. Significant market barriers prevent scaling-up efforts and realisation of the vast savings potential. They include among others, lack of data, low awareness of EE, lack of access to financing for EE investments, split/distorted incentives, and underdeveloped service and supply markets.

Therefore, the objective of this assignment is to design and develop a detailed plan for the National Building EE Program.

Activities:

The assignment covers public, commercial and residential buildings, and consists of the following:

- Quantifying the technical potential for EE in the building sector in Kosovo;
- Identifying cost-effective EE measures, and assessing the investment needed for implementation of the identified measures including also a comprehensive review of the regulatory, institutional, financing, and market barriers to EE implementation and proposed actions to overcome these; and
- Designing and developing a detailed program implementation and financing plan based on the previous analysis that summarise the most viable options for the institutional and financing arrangements for the building sector;
- Project management and backstopping.

Assistance to the Ministry of Energy and Mining in Kosovo



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Client: ECLO **Origin of funding:** EU-IPA

Description:

The overall objective of this project is to develop and implement strategies and policies for a market-based energy system in compliance with acquis communautaire and requirements of the Energy Community Treaty (EnCT).

The purpose of the contract is to strengthen the institutional capacity of the Ministry of Energy and Mining (MEM) on implementing the Energy Strategy of Kosovo and requirements of the EnCT with specific attention to strategic environmental assessment, and gender and minority inclusion.

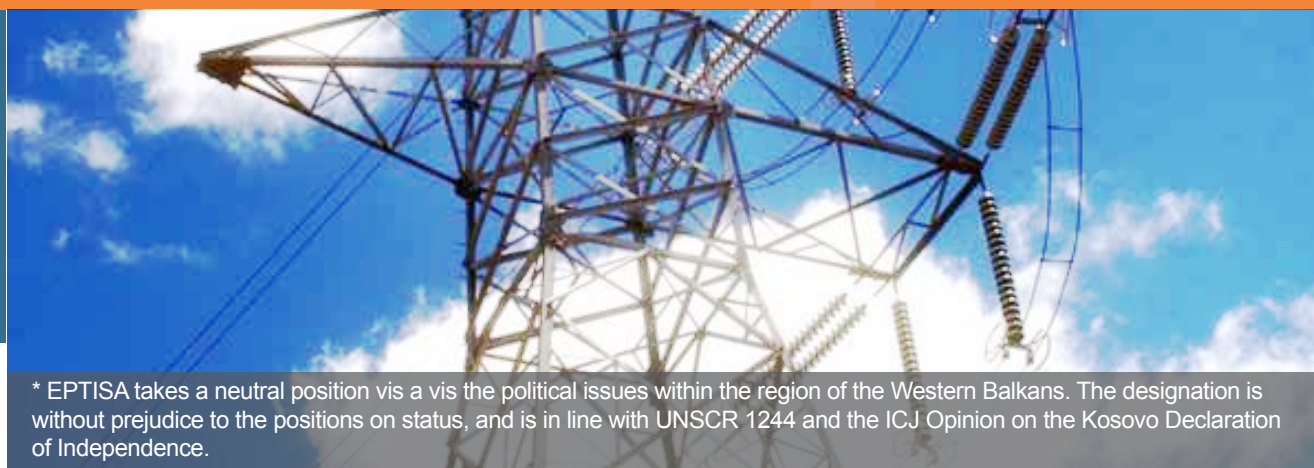
Activities:

- Institutional strengthening of the MEM in implementing the Energy Strategy and requirements of the EnCT;
- Updating of the Energy Strategy and implementation programme as required by the Law on Energy;
- Developing policies on electricity and district heating tariffs and affordability;
- Developing policies and action plans for promoting energy efficiency and RES;
- Producing leaflets and manuals for the promotion of energy savings;
- Preparing annual energy balance and long-term energy forecasts;
- Preparing criteria for market opening;
- Training needs analysis, training, workshop and roundtable plans, delivering of trainings and organisation of study tours;
- Project management and backstopping.

Further Institutional Support to the Ministry of Energy and Mining

Kosovo*

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* EPTISA takes a neutral position vis a vis the political issues within the region of the Western Balkans. The designation is without prejudice to the positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

Client: European Agency for Reconstruction **Origin of funding:** EU

Description:

The overall objective of the project is to strengthen the institutional capacity of the Ministry of Energy and Mining (MEM) to effectively plan and implement the energy and mining strategy and policy, and to fulfil the requirements of the Athens Memorandum and the Treaty on Energy Community in SEE.

This project provides services for building the capacity of the Ministry of Energy and Mining in implementing the obligations deriving from the applicable legislation (Law on Energy and Law on Electricity), and on fulfilling the requirements set in the Treaty for establishing the Energy Community in SEE. Assistance is also provided to the Ministry on budgeting and procurement and supporting the operation of one stop shop which will be the focus point for the investors. The assistance also addresses the infrastructure feasibility studies related to energy efficiency and renewable energy.

Activities:

- Institutional strengthening and capacity building for the MEM;
- Support on tender and contractual methods and procedures, preparation of tender documents and financial advice;
- Analysis of environmental impact;
- Social effects of the restructuring process and reform implementation in Kosovo;
- Economic related studies; Infrastructure feasibility studies;
- Energy market design organisation, regulation and regulatory framework development;
- Conceptual design of new regional and national regulatory environments;
- Wholesale electricity market, transportation, distribution and marketing;
- Advisory services in the fields of trade policy;
- Reporting with recommendations for improving the budgeting and procurement procedures in MEM;
- HRD and training needs analysis;
- Project management and backstopping.

Consultancy Services in Support of EU Programmes on Energy Efficiency



Multi
Country

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Hungary, Poland, Romania, Slovakia, Croatia, Bulgaria and Czech Republic

Client: EIB **Origin of funding:** Green Initiative (GI Facility)

Description:

The overall objective of the consultancy services is to assist the EIB to support financial intermediaries (FIs) and final beneficiaries (FBs) during the implementation and operation of the Green Initiative (GI) Facility, as well as other similar EU Facilities to be managed by the EIB during the period 2012-2016. GI will target Energy Efficiency (EE) and Renewable Energy (RE) projects implemented by SMEs and energy service companies (ESCOs) in Hungary, Poland, Romania and Slovakia.

Financial Intermediaries in this project are banks that on-lend EIB funds to FBs. Initially 6 FIs (2 in Poland, 2 in Slovakia, 1 in Hungary and 1 in Romania) will be involved in the facility.

Activities:

- Product development and standardisation to facilitate the technical project appraisal and integration of the new business line in the FIs operative processes;
- Raising awareness, informing about the benefits, and encouraging investments;
- Selection, preparation, processing and verification of the eligible EE investment projects;
- FI staff capacity building in identification and assessment of EE/RE projects, and on-the-job trainings;
- Technical and financial project assessment, portfolio development and verification requirements;
- Processing of EE/RE investments;
- Energy audits of all large scale Sub-Projects under the facilities;
- Building energy performance certificate in line with the existing national legislation in compliance with the EPBD.

Promotion of Renewable Energy Sources and Energy Efficiency

Serbia

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Client: EU Delegation to the Republic of Serbia **Origin of funding:** EU - IPA

Description:

The overall objective of this project is to contribute to sustainable development in Serbia by enhancing capacities in the energy sector to use renewable energy sources and efficient usage of resources according to the EU standards.

The purpose of this project is to build the capacity in the energy sector which would lead to the implementation of the rational use of renewable energy sources and Combined Heat and Power (CHP) production.

The project comprises the following components:

- Part A: Study of Geothermal Potential in Serbia;
- Part B: Promotion of CHP generation and energy efficiency.

Activities:

Part A: Study of Geothermal Potential in Serbia:

- Review and analysis of geothermal potential, preparation of action plan;
- Best options for use of geothermal resources;
- Development of feed-in tariffs for electricity produced using GHE and for hybrid-geothermal facilities;
- Identification of potential sites for the development of geothermal energy systems;
- Pre-feasibility studies for pre-selected locations;

Part B: Promotion of CHP generation and EE:

- Analysis of existing data and studies on CHP;
- Operational plan for CHP potential assessment;
- Report on possibilities for conversion of heat-only plants to CHP production;
- Definition of strategic objectives for increasing the share of CHP in Serbia's energy sector;
- Set of measures and initiatives for enhancing CHP;
- Identification of 3 potentials sites for CHP development;
- Preparation of pre-feasibility studies for pre-selected locations;
- Project management and backstopping.

Renewable Energy Feasibility Studies



Client: European Agency for Reconstruction **Origin of funding:** EU – CARDS

Description:

The overall objective of the project is to assist the Serbian authorities to increase share of renewable sources in the production of electricity. The purpose of this project is to promote investments in renewable energy projects by:

- Providing technical support to the Ministry of Mining and Energy to enable them to grant the concessions for renewable energy projects specified and prepare necessary secondary legislation, proposal for feed-in tariff and model power purchase agreement;
- Project preparation for concrete investment projects in small scale hydro power generation.

Activities:

- Analysis of legislation and secondary legislation regarding renewable energy, concessions, etc.;
- Review of the EU directives concerning renewable energy generation and other antecedents that apply specifically to the Serbian case;
- Preparation of the secondary legislation;
- Preparation of the feed-in tariff;
- Preparation of the model power purchase agreement;
- Preparation of the concession package;
- Development of a list of potential SHPP locations and selection of sites;
- Pre-feasibility studies including hydrological and geological studies and baseline civil and electromechanical design;
- Preparation of preliminary environmental impact assessment;
- Economic and financial analysis;
- Organisation of workshops with main stakeholders.

Sustainable Development in the Energy Sector

Serbia

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Client: EU Delegation to the Republic of Serbia **Origin of funding:** EU – IPA

Description:

The project provides technical assistance to the Ministry of Mining and Energy to prepare Kyoto Protocol mid-term Implementation Plan in the Energy Sector and the Plan for the Implementation of the EU legislation regarding the quality of fuels and the sulphur content in the certain liquid fuels followed by the proposal to establish the adequate system for the fuel quality monitoring. Public campaign and workshops are being conducted in order to fulfil the objectives of sustainable development in the Energy Sector.

Activities:

PART A: Kyoto Protocol

- Part 1: Preparation of Kyoto Protocol mid-term Implementation Plan in the energy sector;
- Part 2: Awareness raising related to sustainable development in the energy sector.

PART B: Quality and Monitoring of the Quality of Fuels

- Part 1: Preparation of the Action Plan for Implementation of the EU Legislation regarding petrol and diesel quality and sulphure content in certain liquid fuels;
- Part 2: Proposal of adequate Monitoring System for the fuel quality control;
- Part 3: Report on Biofuels labelling-certification system.



HEALTH SECTOR UNIT

Selection of Project References

Environmental factors play an important role, and are closely connected to health problems. Using innovative approaches in its environmental health projects, EPTISA aims to provide global leadership in the development of new and improved interventions to prevent health problems associated with environmental factors.

We implement projects dealing with:

- Institutional strengthening and capacity building of health authorities at all levels;
- Strengthening and improving of the public health laboratory services;
- Health financing;
- Health policy development;
- Legal and regulatory frameworks;
- Integrated primary health care;
- Surveys and statistics;
- Health Information Systems;
- Quality Assurance;
- Health promotion and education.

Support to Albanian's Health Planning Office



Client: Health Planning Office of the Ministry of Health **Origin of funding:** Ministry of Health

Description:

The overall objective of this project is to support the Albanian's Health Planning Office through the creation of thematic maps obtained by integrating demographic and health information with purpose of improving the delivery of health services to citizens. The Albanian Ministry of Health needed to plan and optimise their health resources and strengthen the health protection system.

The main result includes creation of a database improving the health planning and decision making. By using information visualised through thematic maps the health care coverage for the population based on territory information can be clearly viewed and necessary data collected.

Activities:

- Strengthening of the health care system in Albania;
- Enriching the information system with the geographic component;
- Capacity building of the relevant staff within the Health Planning Office of the Ministry of Health in Albania;
- Improving the level of health care services for the citizens;
- Generating of a geo-database based on the Albanian health information;
- Supporting to health planning and decision making;
- Project management and backstopping.

Sector-Wide Approach in Health: Feasibility Study & Mapping



* EPTISA takes a neutral position vis a vis the political issues within the region of the Western Balkans. The designation is without prejudice to the positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

Client: ECLO **Origin of funding:** EU-IPA

Description:

The overall objective of this project is to improve the health service delivery in Kosovo through strengthening of Kosovo health sector institutions and coordination mechanisms between principle health institutions, stakeholders and international donors.

The results of this project include:

- Analysis of the implications of SWAP adoption in the Kosovo Health Sector;
- Analysis of the legal framework in Kosovo's health sector;
- Assessment of the current status of the Kosovo Health Information System and production of a draft recommendations for its implementation;
- Identification of strengths and weaknesses of existing MoH and Municipal Health Directorates (MHD) human resources in the areas of managerial capacities. Training needs assessment report and capacity-building action plan;
- Analysis of public awareness on public health issues and readiness to engage in public health promotion campaign.

Activities:

- Implementation of SWAP feasibility study for the Kosovo health sector;
- Analysis of the Kosovo health sector legal framework;
- Assessment of the Kosovo Health Information System;
- Identification of existing staff managerial capacities in the MoH and MHD;
- Analysis of the public awareness in the public health sector;
- Training needs assessment; Organisation of study visits and trainings;
- Project management and backstopping.

Institutional Strengthening to the Ministry of Health: Support to the Development of Human Resources in the area of Management and Administration



Client: European Commission **Origin of funding:** EU

Description:

The overall objective of the project is to provide support to capacity building of management and administration in the health sector in the context of on-going reforms and taking into regard the efforts to reform the existing public administration. The specific objective of the project is to provide technical assistance in the fields of: i) Health administration, ii) Management of material resources, logistics and maintenance, and iii) Human resources management.

Activities:

- Capacity building of the Ministry of Health in the areas of management and administration;
- Organisation and auto diagnosis of Polytechnic Institute of Health;
- Elaboration of the Strategic Plan;
- Implementation of the tools and procedures for the organisation and management;
- Introduction of the innovative training techniques in the management area, as well as training of the instructors and supervisors for the HR management in health sector;
- Preparation and dissemination of informative and self-study materials;
- Analysis and definition of the responsibilities of the main areas of management and administration;
- Realisation of the operational studies;
- Project management and backstopping.

Strengthening the Institutional and Administrative Capacity of the Ministry of Health to Adopt and Implement Acquis Communautaire in the Field of Water and Health



Client: Ministry of Health (MoH) **Origin of funding:** EU – PHARE

Description:

The overall objective of this project is to protect public health through ensuring effective transposition and implementation of the EC directives in Romania on the quality of water for human consumption and bathing. Priority within the project is given to the area for human consumption and strengthening of the local public health authorities with regard to their responsibilities in the area.

Specific objectives of the project include:

- Assessment of the needs of the MoH in the field of assuring the complete implementation of the aforementioned EC directives (Directive 98/83/EC, Directive 76/160/EEC);
- Assessment of the existing legislation and its level of harmonisation and conformity;
- Development of an action plan for strengthening MoH institutional capacities for a proper implementation and enforcement of the Directive requirements;
- Assessment on training needs and provide training and education for staff members.

Activities:

- Institutional strengthening of the local public health authorities and improving the inter-institutional cooperation;
- Assistance in the transposition and implementation of the EC directives on the quality of water influencing human health;
- Update assessment of the department and laboratory facilities, financing and human resources from the MoH;
- Assess and upgrade the legislation in the field of drinking and bathing water to comply with the EU directives' requirements;
- Action plan for strengthening MoH capacities;
- Training needs assessment for the inspections, surveillance and laboratory specialists; Training programme planning; Course curricula; Implementation;
- Set up of the national reference laboratory and 5 selected regional laboratories and preparation for accreditation;
- Project management and backstopping.

Strengthening the Services of Public Health Laboratories

Serbia

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Client: European Agency for Reconstruction **Origin of funding:** EU – CARDS

Description:

The overall objective of this project is to contribute to the improvement of the health of the population in Serbia through sustainable strengthening of Public Health Laboratory Services with regard to quality, reliability and cost-effectiveness.

The specific objectives of the project include:

- Achieving reliable and comparable quality of laboratory services through the implementation of a National Reference Laboratory Centre (RLC);
- Achieving cost-effective IPH laboratory services;
- Optimising the use of public health laboratory services by supporting communication and collaboration with clients;
- Improving the image of the IPH laboratories;
- Assisting the MoH and other authorities in establishing a system with trained staff to control the quality of the Public Health Institute Laboratory services.

Activities:

- Institutional strengthening and capacity building of the Ministry of Health (MoH), the Institutes of public health and to the network of public health laboratories;
- Organisational and legal changes necessary for establishment of a Reference Laboratory Centre;
- Assessment of each laboratory, using the “Lab Assessment Tool” developed by WHO for public health laboratories assessment;
- Trainings on accreditation of medical laboratories;
- Development of communication tools with relevant stakeholders, including public awareness campaigns;
- Environmental data collection for human health;
- Procurement support of laboratory equipment and training of users;
- Assess, align and improve PH Laboratory Information Management Systems (LIMS); Development of guideline on LIMS requirements;
- Project management and backstopping.



IT, LAND ADMINISTRATION AND AGRICULTURE SECTOR UNIT

Selection of Project References

We provide innovative IT solutions to our clients, not only in SEE, but all around the world. Considering our long experience, we can offer global solutions in every stage of IT projects, from analysis, design, implementation and testing, to generation of contents and system maintenance.

Through ESRI Spain and EPTISA TI (Tecnologías de la Información), we introduce Geographical Information Systems which are the necessary tools for management and diffusion of cartographic information.

We also have a strong background in carrying out demanding projects related to agriculture, cadastre and land management.

We implement project dealing with:

- Design and development of information systems for the state administration, regional governments and local authorities in environmental, water, health and agriculture sectors;
- Design and development of real estate registry and cadastral information system;
- Mapping: cartography, orthophoto and digital terrain model generation;
- Cadastre and land regularisation;
- Design, development, update and implementation of a geographical information systems adapted to the client's needs;
- Land use project management;
- Institutional strengthening and capacity building of agriculture, phytosanitary and food safety authorities at all levels;
- Support to the approximation of national legislation to EU acquis in the area of food and agriculture;
- Support to development and implementation of food safety and animal health policies, regulations, and standards;
- Plant protection, livestock and animal health.

Design and Implementation of Water Management Information System

Serbia

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Client: European Agency for Reconstruction **Origin of funding:** EU – CARDS

Description:

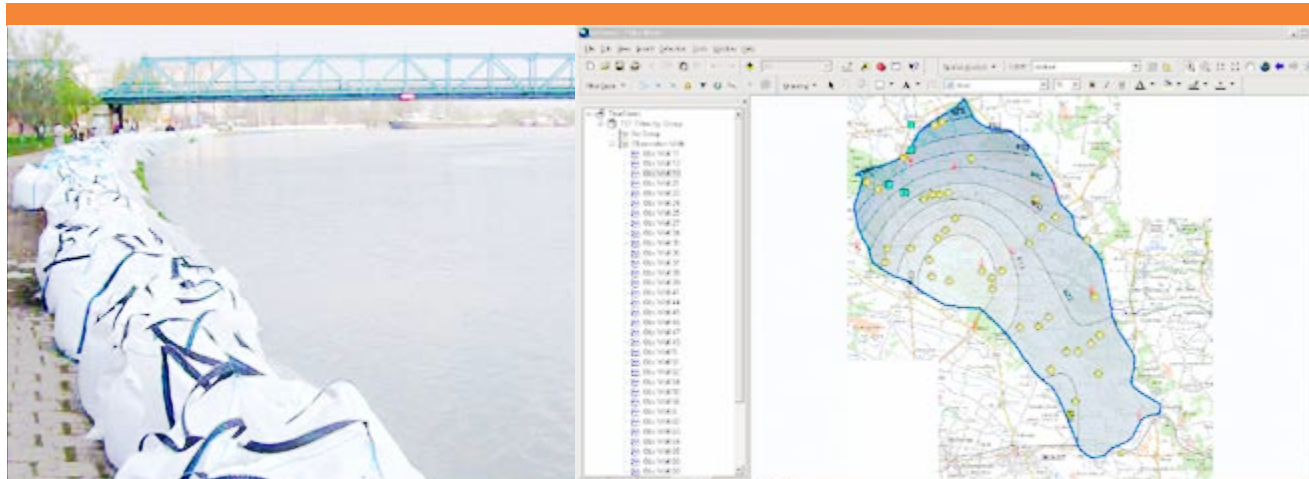
The overall objective of this project is to strengthen the protection of water resources, water quality and public health. More specifically, the contract aims to strengthen the capacity of the Water Directorate to manage water resources, to provide improved access to information and data on water resources.

This is being accomplished by developing a comprehensive water resource information management system in accordance with the provisions of the EU's Water Framework Directive and the requirements of the International Commission for the Protection of the Danube River (ICPDR).

Activities:

- Institutional strengthening and capacity building to the Water Directorate and other water resources management institutions;
- Development of GIS applications for water management;
- Simulation models for river basins;
- Support for alignment of Serbian legislation with the EU's Water Framework Directive
- Capacity building in water management, monitoring and reporting;
- Water resources management data collection;
- Organisation of training programmes for water management authorities;
- Design and implementation of integrated water resources management systems;
- Design and implementation of basic and advanced decision support systems for water resources management;
- Compilation and harmonisation of data on water resources;
- Economic and financial analysis;
- Project management and backstopping.

Study of Flood Prone Areas (Phase 1)



Client: EU Delegation to the Republic of Serbia **Origin of funding:** EU - IPA

Description:

The overall objective of this project is contribution to the harmonisation with the European Flood Directive and Water Framework Directive (WFD), and introduction of the “living with floods” principle in Serbia. This objective is in line with the Serbian Government’s European Integration Strategy and in line with the membership of the International Commission for the Protection of the Danube River (ICPDR) and International Sava River Basin Commission (ISRBC). More specifically, the objective of this project is to prepare flood hazard and flood risk maps, to be incorporated in Flood Risk Management plans for the project area.

Project area:

The flood prone areas on the left and right side of the Danube River between Belgrade municipality Zemun (km 1175) and the upstream end of the Iron Gate gorge (km 1040), including the flood prone parts of the Belgrade city along the Danube, and the flood prone areas on the larger rivers in the Velika Morava river basin.

Activities:

- Harmonisation with the EU Flood Directive and WFD, and introduction of the “living with floods” principle in Serbia;
- Drafting methodology for flood mapping;
- Harmonisation of requirements, data and methods: preparation and submission of the inventory study on available data and on data management;
- DTM adjustment to requirements of flood mapping in the project area;
- Survey of river cross sections;
- Gathering data risk assessment;
- Hydrodynamic modeling;
- Preparation of flood hazard and flood risk maps to be incorporated in flood risk management plans;
- Development of layers of flood risk receptors;
- Incorporation of risk information into regional and/or local spatial plans (pilot case);
- Incorporation of GIS flood maps into WMIS;
- Development of concept of flood maps’ use;
- Dissemination of results and capacity building including training;
- Project management and backstopping.

Digital Cartography for the Rural and Urban Cadastre in Costa Rica



Client: Execution Unit of the Cadastre Regularisation Programme
Origin of funding: Inter-American Development Bank

Description:

The main objective of this project is the establishment of a national cadastre of all land properties and the production of ortophotos and digital cartography on scales of 1:5,000 and 1:1,000 for the complementation and updating of the rural and urban cadastre in order to afford the Rural and Urban Cadastre projects, Real State Register Information System (SIRI) and the National System for Territorial Information (SNIT).

The project also includes strengthening of legal certainty and the reliability of the registration of both rural and urban property rights in accordance with sustainable land management principles. The programme, with its overall budget of 92 million dollars, has the following components: (1) Establishment of a national cadastre that is coherent with the Property Register; (2) Prevention and resolving of disputes over property rights; (3) Municipal strengthening in the use of cadastral information.

Activities:

- Development and implementation of a Geographical Information System, based on ArcGIS technology, in order to better manage this information;
- Development of different thematic layers up to the demand of the Client, such as: administrative boundaries, land use and land cover, surface water bodies, settlement areas and assets;
- Digital land model production;
- Field support;
- Edited ortophoto and digital cartography production;
- Aerial triangulation definition and calculation;
- Planimetric and altimetric restoration of each cartographic sheet in digital archive, dxf, tiff and shape formats;
- Project management and backstopping.

Design, Development and Implementation of Madrid City Council's Corporate GIS



Client: Council of Madrid **Origin of funding:** Council of Madrid

Description:

The Corporate Geographic Information System for the City of Madrid has the main objective to cover all areas of the City in its need for information and geographic services. The objective of this assignment includes four functional achievements: system modules, map display and geographic search, information exchange modules and metadata administration module (ISO 19115).

This new system consists of corporate information technology infrastructure and protocols or procedures which, in conjunction with the above, allow the availability and access to spatial data, improving and extending the functionality and efficiency of current departmental geographic applications, which today are scattered between different areas of the City of Madrid. The Corporate Geographic Information System aims to ultimately make available the GIS technology platform to all areas of the city of Madrid, as a basis for developing new systems, service reuse and mapping.

Activities:

- Analysis, Design, Development and Tests;
- Geoservices;
- Single point of access to information;
- Single GIS platform to manage, display and use geo-referenced information;
- Basis for building services to citizens in order to respond to the strategic e-Administration project: (1) City oriented administration; (2) Networked administration; (3) Integrated management; (4) Efficient and quality management;
- Project management and backstopping.

Implementation of a Hydrological Information System in Basin of the Guadiana River

Spain

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Client: Ministry of Environment **Origin of funding:** Ministry of Environment

Description:

The objectives of the project are to provide institutional support to Guadiana Hydrographical Confederation in River Basin Management Planning through installation of water resources control network as well as basic infrastructure for the Automatic Hydrologic Information System (SAIH), which was installed in the Guadiana River Basin, Spain.

This whole system is a practical and versatile tool which increases the availability of information in real-time on the situation in the river basin, provides water information hence improving the exploitation and protection of water resources. The system is designed to combine the capabilities of Geographic Information Systems (GIS), database technology, modelling techniques, optimisation procedures and expert systems. The system comprises GIS, geo-referenced database and generic river-network editor, coupled to an increasing number of analytical components including groundwater pollution control, surface-water pollution control, demand forecasting, water-resources planning and hydrologic processes.

Activities:

- GIS systems related to Water Resources Management;
- Setting up of a control network for Water Resources in the Guadiana River Basin as well as basic infrastructure for the Automatic Hydrologic Information System: Geographical Information System GIS, and, Arc/View application;
- RBM Planning: Development of Programme of Measures and Recommendations for improvement of water management within the Guadiana river basin based on the EU WFD;
- Water Protection and Water Management: (1) Creation of forecasting and warning system in order to provide the data needed to forecast river levels and issue more accurate early flood warnings; (2) Data collection, studies and analyses of surface and groundwater resources; (3) Cartography/mapping and its integration into the information system (IS);
- Project management and backstopping.

Technical Assistance for the Modernization of Irrigated Agriculture in Morocco



Client: The Ministry of Agriculture **Origin of funding:** European Investment Bank

Description:

The overall objective of this project is to help farmers in the several regions of Morocco to use irrigation water more efficiently in order to mitigate the current and future impacts of the water shortage.

Transformation of the area of approx. 21,405 ha into the localized irrigation affecting 7,772 farmers. The services included the modernization of public irrigation networks, support for better water valuation, and assistance for better access of farmers to the available technology, finance and markets.

The purposes of this intervention are:

- Assistance to the Project Management Unit in project management and coordination including financial evaluation of the project and environmental study;
- Strengthening capacities of the farmers and other beneficiaries for better use of the new techniques for irrigation and agriculture intensification;
- Elaboration of environmental and social management plan.

Activities:

- Technical Assistance for the overall project coordination and management;
- Support in the design, construction and management of irrigation networks;
- Activities related to the popularisation of agriculture;
- Capacity building at all levels in water management, irrigation and agriculture;
- Preparation of environmental and social management plan.

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