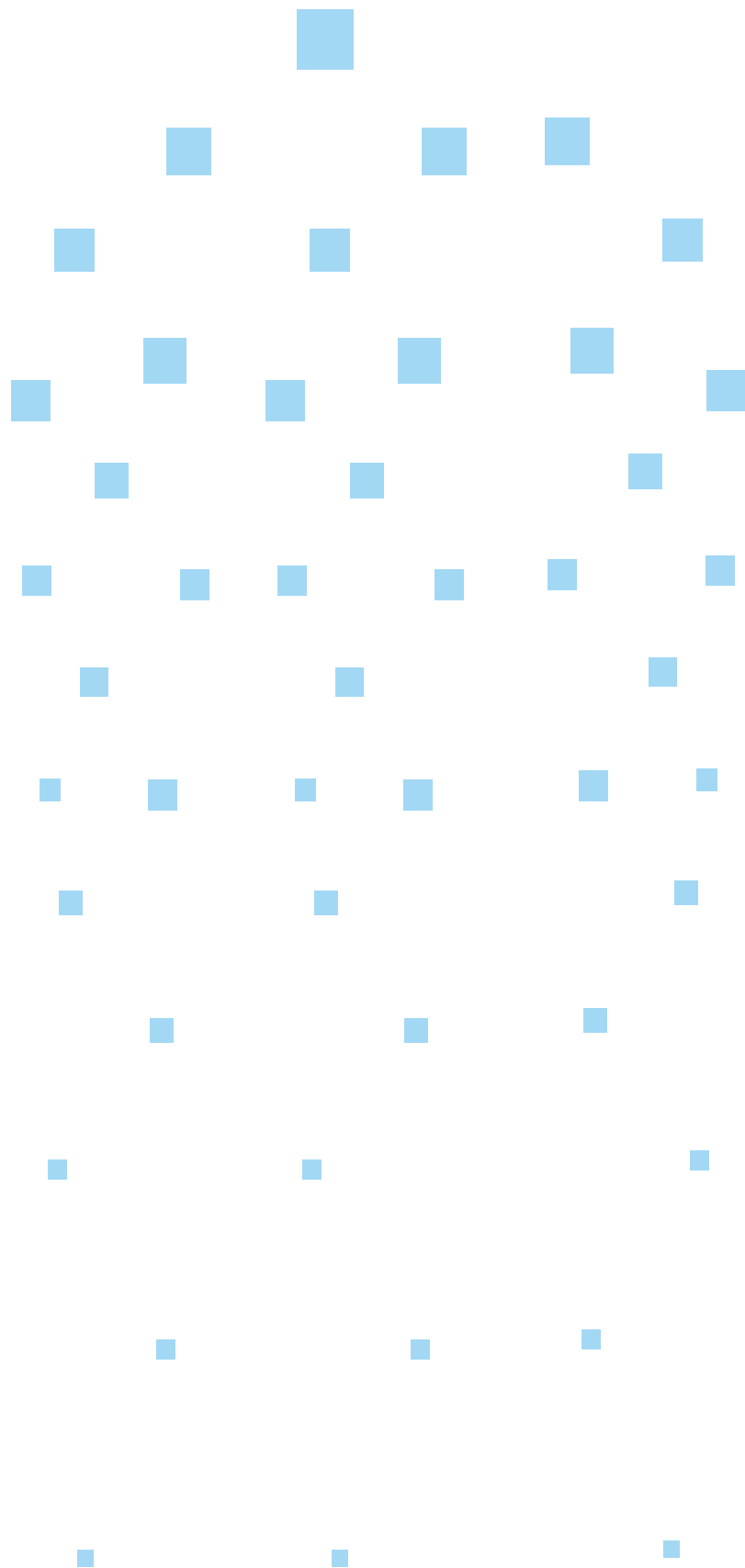


WBIF

PROJECTS



Selected examples of WBIF projects

May 2013

Energy sector projects

- Wind Park Development – over 52MW of renewable energy generation fYROM
- Developing Montenegro's electricity network with interconnection links to neighbours and Member States Montenegro
- Pristina's district heating refurbished and modernised Kosovo*

Environment sector project

- 450,000 to benefit from water and sanitation projects in Republika Srpska, BiH BiH

Social sector project

- R & D facilities to enhance knowledge capacity and scientific excellence in Serbia Serbia

Transport sector project

- National programme upgrading Albania's regional and local roads Albania

*"This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence"

Wind Park Development – over 52MW of renewable energy generation for former Yugoslav Republic of Macedonia

Project description

The former Yugoslav Republic of Macedonia is keen to establish new renewable energy generation. The electricity generation company, ELEM, has progressed this aim with the help of WBIF: a feasibility study (FS) was undertaken for a pilot wind farm that will demonstrate the technology, prove the viability of wind energy, and encourage private investment in further such renewable energy projects.

This project will contribute by adding generation capacity towards the goal of improving the security of energy supply while at the same time reducing the negative environmental impacts of energy use and helping to mitigate climate change. The FS justified an investment of approximately €75m in 25 machines with a capacity of 52.5MW. The facility is located at Bogdanci in the South-East of the country.

Since the conclusion of the FS, a loan of €33M from KfW was signed in April last year, to support this phase of the project total investment of €55M, while the remaining €22M will be funded via Joint Stock Company ELEM. Over the summer the first turbine is expected to arrive on site, and in the last quarter of the year the wind farm will start producing electricity.

In this first phase, currently under construction, 16 machines will be installed with a capacity of 36.8MW and an annual output of 100GWh of new renewable energy

Key Facts

Project title:	Pilot project: Windpark development
Reference:	TA-FYRMAC-02
Beneficiary:	former Yugoslav Republic of Macedonia
Promoter:	ELEM
IFI:	KfW
Sector:	Energy
Support:	Technical assistance
Timing:	Being constructed



Construction starts - ceremonial first spade, May 2013

Project location



Support provided by WBIF

- Feasibility study
- Wind measurement studies
- Environmental and social impact analysis
- Optimal machine positioning and site layout

Finances

■ WBIF- IPA grant:	€ 400,000
■ Estimate total investment:	€ 75,000,000
■ IFI loan:	€ 33,000,000

Developing Montenegro's electricity network with interconnection links to neighbours and Member States

Project description

During the first phase of the project, the aim was to support the Montenegrin Electricity operators in identifying and prioritising individual transmission and distribution projects. In all, 22 priority investment requirements were identified organized into 4 overall projects which will improve the reliability and efficiency of the system. The WBIF supported consultancy identified priority investments for both the current period 2008-2012 and also for the next period 2012-2017.

In addition, the consultancy assisted development of a pre-feasibility study for the transmission protection and control replacement, and identified potential IFI support to EPCG distribution for the procurement and supply of half-hourly meters.

The second phase was a Feasibility study for the line between Lastva and Pljevlja. This was agreed by the Beneficiary and potential IFIs to be the key priority project and to have important regional significance due to the planned construction of an undersea sea cable connection between Montenegro and Italy. The study began in November 2010 and finished in December 2011, comprising of a technical design, environmental and social assessments, and an economic / financial analysis. This study demonstrated the line is feasible and viable, and EPCG intend to engage a loan for its construction, which is programmed in stages.

This projects links with the WBIF supported Regional Transmission project 400kV Interconnection Serbia-Montenegro- BiH*.

Key Facts

Project title:	Electricity Network Development Programme
Reference:	TA-MON-02
Beneficiary:	Montenegro
Promoter:	Montenegro Transmission Company
IFI:	EBRD
Sector:	Energy
Support:	Technical assistance
Timing:	Identification & pre-feasibility completed May 2010 Lastva – Pljevlja feasibility study completed December 2010



Existing transmission line in Montenegro's mountains

Project location Line is indicative



Support provided by WBIF

- Indentation of transmission & distribution upgrade projects
- Screening & ranking of priority projects
- Pre-feasibility study of priority investments
- Feasibility study of Lastva to Pljevlje transmission line

Finances

- WBIF- IPA grant: € 1,850,000
- Estimate total investment: € 100,000,000
- Estimate IFI loan: € 70,000,000

*See linked regional project: 400kV interconnection Serbia – Montenegro – BiH (WB5-REG-ENE-02)

Pristina's district heating refurbished and modernised

Project description

Kosovo's district heating sector is inadequate and underdeveloped meeting only 5% of total heat demand in the country. There are three district heating (DH) systems supplying urban areas of the municipalities: Prishtina, Gjakova and Mitrovica. The Prishtina DH system accounts for over 80% of the total DH capacity in Kosovo. The current DH production system in Prishtina is not technically or financially sustainable and heat consumption load must be considered due to the predicted major expansion of the city.

This project is focused on further improvement of the district heating system in Prishtina. The project has two components, rehabilitation and enlargement of the heating system in Prishtina and connecting the heating system with Power Plant "Kosova B" in order to enable the use of steam to heat the city. The overall value of the investment is around €28.725 million, consisting of a €13.8 million grant provided by the EU through the WBIF Infrastructure Project Facility Municipal Window scheme, municipal funds, funds from the Swedish International Development Agency, SIDA and a loan of approximately €5 million together with a grant of €6 million provided by the German government through KfW Entwicklungsbank.

The project has three very significant benefits: i. it will have a significant environmental impact by reducing the CO2 and other noxious gas emissions which are the cornerstone of the EU policy on climate change; ii. it will increase the efficiency of the overall energy system by using the heat extracted from Kosovo B power plant for heating water which is circulated in the district heating network; and iii. the project helps to reduce the operational cost of the district heating company, Termokos, by about 50% due to the replacement of heavy fuel oil ("mazut") which has been the main source of power up to now with a clean technology based on combined heat and power cogeneration.

Additionally, the project will refurbish the district heating network which is currently suffering major water loss as a result of old pipes. Overall, the citizens of Prishtina will with a better heating service which will in turn reduce the electricity consumption for heating and will make available more electricity for supply of other Kosovo regions.

Key Facts

Project title:	Improvement of District heating in Prishtina
Reference:	MW-KOS-ENE-KfW-02
Beneficiary:	Kosovo
Promoter:	Termokos
IFI:	KfW
Sector:	Energy
Support:	Investment grant
Timing:	Loan signed



Pristina to benefit from renewed district heating system

Project location



Support provided by WBIF

- Feasibility study
- Technical and management support
- Investment grant

Finances

■ WBIF- Municipal Window grant:	€ 14,000,000
■ Estimate total investment:	€ 27,000,000
■ Estimate IFI loan:	€ 5,000,000

450,000 to benefit from water and sanitation projects in Republika Srpska, BiH

Project description

The project comprises several water and sanitation schemes for 27 municipalities widely spread throughout Republika Srpska (RS)- The objective of the projects is protection of public health and environment from water pollution, while maintaining a balanced development of water supply and sanitation as well as safeguarding the financial and operational viability of the water companies. The project is expected to benefit a total 450,000 inhabitants in selected municipalities. The project preparation activities commenced in 2011 and implementation of works for over 30 individual priority sub-projects within 17 municipalities which started in 2012 will continue in 2013 and 2014.

In close consultation with Project Management Unit (PMU) and EIB, the WBIF provided consultant has developed a highly productive modality for implementation of technical assistance (TA) based on identifying municipalities that require major infrastructure development such as sewerage system, wastewater or drinking water treatment plants and source development etc. and those that need smaller intervention to extend and improve existing infrastructure such as extension of water supply mains or collectors, increased capacity of water wells, reduction of losses, metering etc. The former group of municipalities are then subject to detailed project preparation feasibility studies while the latter group is handled by short project appraisal missions to examine detailed designs and other planning documents to check for consistency that they are in line with EIB financing requirements. This is followed by preparation of a brief project appraisal report together with finalisation of project fiche. Both feasibility studies and Project Appraisal Reports together with project fiches are instrumental in leading to loan agreements with EIB and allocation of IPA grant funding and other potential bilateral donor funds for proposed projects:

To date the deliverables from the on-going TA include: scoping reports for 23 municipalities; Project Appraisal Reports and Project Fiches for priority sub-projects for 12 municipalities; feasibility studies for water supply and wastewater collection and treatment for four municipalities; tender dossiers for two municipalities; a wide range of other activities to support the work of PMU in management and implementation of the programme.

Project location Across Republika Srpska, BiH



Key Facts

Project title:	i. Water & sanitation in Republika Srpska I ii. Water & sanitation in Republika Srpska II
Reference:	i. TA3-BIH-ENV-01 ii. WB8-BIH-ENV-27
Beneficiary:	Bosnia and Herzegovina
Promoter:	Various municipalities
IFI:	EIB
Sector:	Environment
Support:	Technical assistance
Timing:	Project preparation/Tendering



Water supply pumping station in Doboj

Support provided by WBIF

- Feasibility studies
- Assistance with tendering
- Support to project implementation unit

Finances

■ WBIF- IPA grant:	i. € 1,250,000 ii. € 1,250,000
■ Estimate total investment:	€ 114,000,000
■ Signed IFI loan:	€ 50,000,000

R & D facilities to enhance knowledge capacity and scientific excellence in Serbia

Project description

The project consists of three Components:

- Component A: Petnica Science Centre (review feasibility study (FS), main design for works; technical specifications for equipment and furnishings, procurement plan),
- Component B: Zvezdara Technology Park (update FS, main design, bill of quantities, procurement plan),
- Component C: Centre for promotion of Science in Belgrade (facility programme, prefeasibility study, preparation of a design Brief and regulations for international architectural competition).

The R&D Infrastructure facilities development in Serbia is financed by the EIB with a total of € 200 million. To manage the project's implementation a PIU has already been created.

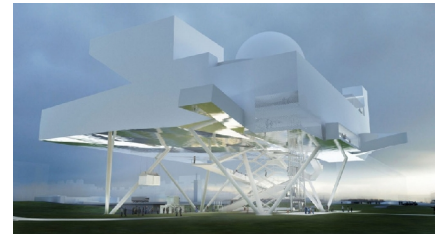
The deliverables for the two Components (A, B) were prepared in a way that facilitated the review by the relevant State Revision Committee according to the local procedures and laws in Serbia. The deliverables of Component C led to an international architectural competition, the results of which were announced according to the set plan in December 2010. Construction works for Components A, B have been completed. Implementation of Component C depends on on-going negotiations with the winning international architectural office.

Key Facts

Project title:	Building the knowledge economy of Serbia, R&D infrastructure initiative
Reference:	TA3-SER-SOC-01
Beneficiary:	Serbia
Promoter:	Ministry of Science and Technological Development (now Min. of Education & Science) with R&D PIU d.o.o
IFI:	EIB
Sector:	Social
Support:	Technical assistance
Timing:	TA Support completed: December 2010 Construction of Comp. A and B completed



Zvezdara Technology Park (Belgrade) and Petnica Science Center



Architect's impression of the center for promotion of science in Belgrade

Project location



Support provided by WBIF

- Review of existing pre-feasibility and feasibility studies
- Preliminary and Main (detailed) designs
- Technical Specification for Supplies and Bill of Quantities
- Organisation of international architectural competition

Finances

- WBIF- IPA grant: € 695,000
- Estimate total investment: € 58,077,000
- Estimate IFI loan: € 29,000,000

National programme upgrading Albania's regional and local roads

Project description

The overall length of the road network in Albania totals about 15,500 km, comprising 3,400 km of national roads and about 12,000 km of secondary and local roads. The priority given to the expansion of the national road network in recent years has resulted in an inadequate maintenance of the majority of the local roads. The problems facing the local road network are significant, as a small number of sections are paved and about 75-80% of the system is in a poor or very poor condition.

This project is part of a multi-donors' programme to support the rehabilitation of 1,500 km of secondary and rural roads in all Albania. The aim of this investment is the integration of rural areas into national and regional transport networks. This project contributes to spreading economic growth and social wellbeing in rural areas of Albania by helping private sector development and improving access to essential services. The European Bank for Reconstruction and Development (EBRD) and European Investment Bank (EIB) are jointly providing a €100 million loan, supported by an investment grant of approximately €34 million through EU's IPA 2010 and IPA 2011. Up to 500km of the regional and local network will be rehabilitated via the provision of quality road infrastructure. Technical assistance in the amount €4 million is also being provided from the WBIF with the aim of improving the management and financing of road infrastructure.

The technical assistance services funded through this WBIF project are provided for the preparation of project documentation, supervision, project monitoring and implementation support.

A short video describing the project can be seen at: <http://bcove.me/u1aswkyu>

Project location Countrywide



Key Facts

Project title:	Regional and local roads
Reference:	WB1-ALB-TRA-01
Beneficiary:	Albania
Promoter:	Albanian Roads Authority
IFI:	EBRD & EIB
Sector:	Transport
Support:	Technical assistance
Timing:	Loan signed



Recently upgraded rural road

Support provided by WBIF

- Preparation of detailed design
- Assessment of existing local road maintenance institutional and financial conditions with recommendations
- Preparation of tool kits on rural road maintenance
- Development and support to delivery of capacity building programme
- Assist in the implementation of rural road maintenance programmes on a pilot basis.

Finances

■ WBIF- IPA grant:	€ 4,000,000
■ Estimate total investment:	€ 137,000,000
■ Estimate IFI loan:	€ 100,000,000 (EBRD+EIB)
■ EU IPA:	€ 34,000,000



An initiative funded by the European Union

Connecting projects with investment funds

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