World Bank Experience with Supporting Adaptation Actions: Examples

Inception Workshop
Sofia, 1 March 2017

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Adopted April 7, 2016, to help countries deliver on their Nationally-Determined Contributions (NDCs) and manage increasing climate impacts.

Ambitious 2020 targets in high-impact areas:
- clean energy,
- green transport,
- climate-smart agriculture,
- urban resilience,
- climate finance.
WB Supporting Climate Action: Highlights for Europe and Central Asia

**Green Growth Strategic Planning**
- Macedonia*, Moldova*, Poland, Romania
  *: also covers climate resilience

**Forest and Land Management**
- 17 projects in 16 countries, incl. Russia (20% of the world’s forests) for $300 mlln
- Large experience with land reform in support of green growth agenda

**Sustainable Energy**
- Over $3 bln for clean energy (FY10-15)
- Engagement in policy dialogue for EE and RE, incl. tariff/FSF reforms
- Credit lines and funds for market transformation
- Substantial lessons on EE, RE, social dimensions of energy

**Climate Finance**
- Pilot Program for Climate Resilience (TJ)
- Clean Technology Fund (KZ, TR, UA)
- Partnership for Market Readiness (KZ, TR, UA)
- GEF, SCCF: W. Balkans, Caucasus, and Central Asia
- Carbon markets: active in 10+ countries

**Climate-smart Agriculture**
- Studies on climate-smart agriculture in 10+ countries, w/ informed operations, incl. Albania, Moldova, or Uzbekistan
- Irrigation rehabilitation in Central Asia

**Disaster-risk Management**
- Flood protection and emergency response projects, e.g. in Albania, BiH, Poland, and Serbia
- Hydromet strengthening in Russia and Central Asia
- Catastrophe risk insurance
Component C: Development of a sound analytical and knowledge base on climate change and low carbon green growth for policy simulations and decision making

There are three activities under this component, which aims to identify, quantify, and assess the long-term multi-sectoral impacts of development policies and investments related to mitigation and adaptation through development of analytical tools and a knowledge base. The activities include sectoral analysis and modeling in key sectors important to mitigation and adaptation and the development of a macro-economic model for Romania to assess the key economic relationships and impacts within Romania and with the EU and the rest of the world.

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Project co-financed by the European Regional Development Fund through OPTA 2007 – 2013

The context of the first does not necessarily reflect the views and position of the Executive Director of the World Bank, the European Union, or the Government of Romania.

Component D: Institutional capacity building for carbon trading and progress monitoring, and evaluation of climate actions

The activities under this component include the development of a methodology and identification of opportunities for carbon trading, design of monitoring, reporting and verification (MRV) system for climate change actions and implementation capacity building of MECC.

Background

Romania is vulnerable to climate change risks and is committed to address them by pursuing a low carbon development path. Therefore, the Government of Romania, through the Ministry of Environment and Climate Change (MECC), has requested the World Bank to provide advisory services to help meet this commitment.

Integration of both mitigation and adaptation actions into Romanian national strategies, policies, and programs will be a critical step in shifting the development path towards a climate resilient, low carbon and green economy.

The Program, implemented jointly by the World Bank and MECC, aims to enable Romania to advance towards achieving the “20-20-20 targets” which provide EU Member States a framework and means for moving towards a greener and more competitive green economy that makes efficient use of resources and is resilient to climate risk.

Program Design

Component D: Operationalization of a comprehensive national climate change and low carbon green growth strategy and development of an action plan

This component will assist the Romanian Government to operationalize a comprehensive national climate change and low carbon green growth strategy and develop an action plan for 2014-2020, supported by technical analysis, integrated with other national strategies, and based on an emission and production blueprint.
The Ministry of Environment and Climate Change, with the support of the World Bank, plan to address climate change issues by operationalizing the national climate change strategy and developing the national action plan on climate change. The technical assistance provided by the World Bank on climate change should help evaluate the impacts of climate-related decisions and pave the road for a low carbon green growth economy in Romania by promoting climate-friendly practices.

1. Operationalize a comprehensive national climate change and low carbon green growth strategy and develop an action plan;
2. Identify and integrate climate-related actions into the 2014-2020 EU-funded Operational Programs;
3. Build a solid analytical and knowledge base for impact assessment and climate-related decision making;
4. Enhance implementation capacity through identifying carbon trading opportunities and developing a system for progress monitoring and verification.

PROGRAM DESIGN

COMPONENT A
Operationalizing a comprehensive national climate change strategy and low carbon green growth strategy, and developing an action plan.
Results Achieved Through the Project

- **National Climate Change Strategy and Action Plan operationalized** – over 60 strategic climate objectives in all key sectors identified;
- 6 sectoral reports and a summary report on climate action within the Operational Programs;
- **A macroeconomic model** on the 2030 Climate – Energy package;
- **50 deliverables**, including reports, workshops and trainings, conferences, an electronic platform (website) and dissemination products (flyers, dissemination notes, CC animation video).

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The Climate Change National Action Plan 2016-2020

The CC National Action Plan contains a total of 25 objectives related to the component of reducing GHG emissions (mitigation) and a total of 38 goals associated to the CC adaptation component. The actions listed within the CC Action Plan are laid down in the following categories:

- **Public policy** (e.g.: adoption of the Forest Sector Development Strategy; drafting of a maintenance and development strategy for the green areas around urban areas)
- **Institutional** (e.g.: developing the administrative capacity to implement the 2016-2035 energy strategy)
- **Investment** (e.g.: public buildings and services: improving energy efficiency through complete thermal rehabilitation)
Understanding Macro-economic Implications of Climate Change with Integrated Models

FYR Macedonia

green growth
COUNTRY ASSESSMENT

WORLD BANK GROUP
Trust Fund for Environmentally & Socially Sustainable Development

Low Water - High Growth in South Asian Economies

Water & Climate Adaptation Plan for the Sava River Basin

FINAL REPORT
August 2016
Water Scarcity on the Rise in ECA
Understanding Macro-economic Implications of Climate Change with Integrated Models
More Prevalent Flooding in ECA
Serbia: from Emergency to Preparedness

May 2014 flood: >4% GDP losses, over 20% of population affected

Under the National Disaster Risk Management Program for Serbia

- Emergency Recovery Loan (EUR 232 million), to restore power systems, to protect livelihoods of farmers, to ensure the protection of those severely impacted by the floods, and improve Serbia’s capacity in responding effectively to ensuing disasters
- Support to Flood Office
- Development of Geonode
- Elaboration of a CAT-Risk financing Strategy
Our response to the challenge of climate change will define the legacy of our generation. The stakes have never been higher.

Dr. Jim Yong Kim, President, World Bank Group

http://www.worldbank.org/climatechange