



MONTENEGRO

CURRENT NEEDS AND FUTURE PRIORITIES OF LOW-CARBON
EMISSION IN THE SECTOR OF CLIMATE CHANGE AND
ENERGY/ENERGY EFFICIENCY

16.09.2016, Vienna, Austria

Content

- **Institutional framework in Montenegro** in the field of low-carbon emission – air quality, climate change, energy and energy efficiency
- **Strategic framework** in the field of low-carbon emission – air quality, climate change, energy and energy efficiency
- **Legislative framework** in the field of low-carbon emission – air quality, climate change, energy and energy efficiency
- **Priority activities** for achieving low-carbon development in specific sectors

Institutional framework

Two main institutions on national level in the field of low-carbon emission development, responsible for different sectors are:

Ministry of Sustainable Development and Tourism (MSDT)

- ✓ **Climate Change** (Directorate for Climate Change)
- ✓ **Environment** (Directorate for Environment and within air quality department)

Ministry of Economy (ME)

- ✓ **Energy** (Directorate for Energy)
- ✓ **Energy Efficiency** (Directorate for Energy Efficiency)

National Council for Sustainable Development and Climate Change and Integral Coastal Zone Management (ICZM)

- Working group on Climate Change -

Other players on national and local level:

- Ministry of Agriculture and Rural Development; Ministry of Traffic and Maritime Affairs; Environmental Protection Agency; Statistical Office of Montenegro; Institute for Hydrology and Seismology; Local Governments.

Strategic framework

Ministry of Sustainable Development and Tourism (MSDT)

- **National Climate Change Strategy until 2030** – adopted 17.09.2015.
 - Long-term strategic framework
 - INDC
- **UNFCCC**
 - I and II national report toward UNFCCC – submitted 2010 and 2015
 - 1st biennial update report on climate change (BUR) – adopted in January 2016.
- **Updated National Strategy on Sustainable Development** – July 2016
- **National Strategy for Air Quality Management** – adopted in 2013
- **Air Quality Management Plans** for Municipality Pljevlja (2013), Municipality Nikšić (2014) and Capital town Podgorica (2015).

Ministry of Economy (ME)

- **Energy Policy until 2030** – adopted in 2011
- **Energy Development Strategy until 2030** – adopted 10.07.2014
- **Action plan for the implementation of Energy Development Strategy for the period 2016-2020** – adopted 21.1.2016
- **National Renewable Energy Action Plan until 2020** – adopted 11.12.2014
- **Energy Efficiency Action Plan for 2016-2018** - adopted in June 2016

Strategic framework...2

Ministry of Sustainable Development and Tourism (MSDT)

- **Paris Agreement**, signed April 22nd, 2016, next steps:
 - **Law on the ratification of Paris Agreement** (in 2017)
- **Ambitious INDC**
 - **30 % decrease of GHG until 2030, compared to 1990 levels**
- **National Environmental Approximation Strategy (NEAS) – adopted**
 - First step accomplished for opening Chapter 27 (July, 2016)
 - ✓ **Detailed action plan for harmonisation with EU acquis in the field of CC**
 - ✓ 51 measures in total
 - ✓ Achieving goals by 2019

Ministry of Economy (ME)

- **Energy Policy until 2030 priorities:**
 - **Security in the energy supply**
 - **Development of the competitive energy market**
 - **Sustainable energy development**
 - **20 key strategic commitments**
- **National goals in energy sector:**
 - 33% of the total share of energy from renewable sources in gross final energy consumption
 - **9% until 2018 of energy efficiency enhanced**
- **Current efforts/activities:**
 - Large HPP (Morača, Komarnica), small HPPs, windfarm (Krnovo, Možura), solar energy;
 - Italy-Montenegro 400 kV undersea cable;
 - II block of TPP Pljevlja
 - TAP (Trans-Adriatic Pipeline) and IAP (Ionian-Adriatic Pipeline)
 - Improvement of EE in public buildings (MEEP and EEPPB)
 - Citizens support – credit lines for solar collectors (MONTESOL); heating on modern types of biomass (ENERGY WOOD) and photovoltaic system on mountain huts;
 - Technical support from EU, EBRD, UNDP, GIZ, KfW, etc.

Legislative framework

Ministry of Sustainable Development and Tourism (MSDT)

- **Law on Air Quality Protection** – adopted in 2010, amended in 2015
 - Legislation in the field of air quality has been fully aligned with EU acqie (through Law n Air Quality Protection and 14 by-laws), appart of the Directive 2012/33/EU on the quality of vessel's fuels – in progress.
- **Law on safety on roads** – adopted in 2012
- **Law on environment** – newly adopted in 2016
 - **Article 32 – Developing Low-carbon Strategy** (until 2020), as the obligation of MMR and Paris Agreement

Ministry of Economy (ME)

- **Energy Law** - adopted 29. 12.2015
- **Law on cross-border exchange of electricity and natural gas** - adopted 28.06.2016
- **Law on Energy Efficiency** – adopted in December 2014
- **Various by-laws of stated legislation**
- **Legislation in the field of energy and EE has been harmonised with EU acqie**

Priority Actions

WHY:

- **Measures that** contribute to low-carbon emissions - priority should be given to those which **have multiple effects**, and through which the low-carbon development is contributing to improving the environment.
- Fossil fuel consumption is causing direct air emissions, accidental emissions into the water, direct or indirect impact on wildlife.
- **Montenegro identified** among the **priorities measures** which in addition to targeting low carbon development, climate change and energy efficiency, achieves and improve air quality, especially in endangered areas, where fossil fuels consumption leads to increased concentration of pollutants in the air.

Priority Actions – concrete steps

HOW:

1. **Long-term low-carbon Strategy for Montenegro** (deadline is 2020) (~250,000 EUR)
2. **Analyses of the implementation of Montenegro INDC**, with focus on **financial assessment** (from 70,000 -100,000 EUR)
3. **Study on Sustainable Traffic for Capital Town of Montenegro** (and financial assessment of its implementation) (~200,000 EUR)
 - **Statistical analyses by EU methodology of urban mobility of Capital Town of Montenegro**
4. **Subsidizing the procurement and installation of stoves/boilers on modern forms of biomass** (pellet / briquette) - pilot project to be modelled based on the similar actions implemented in the region (from 150,000 EUR)
5. **Models of implementation of energy efficiency in households** (from 150,000 EUR)
 - Different **energy efficiency implementation measures** (heating, cooling, hot water, or aggregation of these different aspects)
 - **Models of implementation of energy efficiency in the building sector** - focus on individual household which use solid fuels – direct polluters
 - **Greening the economy**

THANK YOU FOR YOUR ATTENTION!

Government of Montenegro
Ministry of Sustainable Development and Tourism
Ministry of Economy

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