

Regional Training Seminar on assessment of GHG Inventories in the Forestry and Other Land Use

Montenegro

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This Project is funded by the European Union



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Consortium

Overview of National system

- Environmental Protection Agency of Montenegro - the institution responsible for conducting gas inventory
- Creation of gas and pollutant inventory by EPA was prescribed by national legislation and ratified international treaties – Convention on Long Range Trans-boundary Air Pollution (CLRTAP) and the United Nations Framework Convention on Climate Change (UNFCCC)
- EPA Montenegro calculates emissions and sinks in forestry using data in possession of the Forest Administration under the Ministry of Agriculture and Rural Development, and the Statistical Office of Montenegro-Monstat
- EPA Montenegro employs three people for conducting gas inventory, as part of the Department for Monitoring, Analysis and Reporting; Mr Duško Mrdak is delegated the sector of agriculture, forestry and Other Land Use (AFOLU)



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Completeness

- During the making of GHG inventory, the calculation for the period 1990-2011 was done in the Second National Report on Climate Change
- The IPCC Guidelines for National GHG Inventories, Revised 1996 were used
- For the sector Land use, land-use change and forestry (LULUCF), the CO₂ sink was processed, as well as CH₄ methane emissions during fires (data obtained from the Forest Administration)



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Data sources and identified gaps

- 2011 – The First National Forest Inventory of Montenegro drawn up
- Following data from this inventory were used for the making of the GHG inventory :
 - forest area
 - total wood volume
 - annual increment of the timber volume
- Recalculation done on the basis of the data from this document for the period 1990-2011



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Data sources and identified gaps

- The National Forest Inventory estimate is that about 1% of the total forest area gets burned in fires per year. Data on forest areas that get burned throughout the year was obtained from the Forest Administration
- For the purpose of the Second National Report on Climate Change, data on fires for the period 1990-2011 was included
- The burning of biomass from arable land was included in the calculation as well



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Non-estimates (NE)

- Categories for which no calculation was done were all those concerning other land use
- The Ministry of Agriculture and Rural Development, with the responsibility for the land use, does not possess data on surface area, consequently no data on its other use



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Key categories

- The categories calculated are:
 - forest area in hectares, from which we obtain the total CO₂ sink in forests of Montenegro
 - the release of methane (CH₄), when forests burn (forest fires), and fire-affected areas in hectares are counted



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Critical issues

- Lack of data
- The quality of existing data (the estimates were made for the surfaces)



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Progress made

- The First National Forest Inventory of Montenegro, done by the Forest Administration under the Ministry of Agriculture and Rural Development
- The First Biennial Update Report (BUR) is being drafted according to instructions from the IPCC Guidelines 2006, in cooperation with the UNDP
- The report will include recalculated data for the period 1990-2011, and calculations for 2012 and 2013
- In EPA Montenegro, three people have been employed on jobs of gas inventory since 2014, one of them responsible for AFOLU



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Thank you for your attention!



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