

2nd working meeting on SEA for the General National Territorial Plan of Albania

Monitoring in SEA

Tirana, January 11 – 12, 2016



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EU SEA Directive

- Significant environmental effects of the PPs' implementation shall be monitored
 - to identify at an early stage unforeseen adverse effects,
 - to be able to undertake appropriate remedial action.
- Existing monitoring arrangements may be used if appropriate



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Monitoring in SEA

- Monitoring of impacts of the P/P generally quite difficult
 - Key environmental trends shaped by many factors - legislation & enforcement, economic development, multiple projects, various P/P, etc.
 - Impacts (attribution) of P/P to certain trend is often unclear
- Monitoring should be realistic and as simple as possible



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SEA should propose

1. **What to monitor:** Indicators to be monitored
2. **Who should monitor:** Roles and responsibilities regarding monitoring
3. **How to monitor:**
 - Frequency of monitoring
 - Data and information to be used
 - Reporting scheme including making the monitoring findings publicly available



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General principles

- Monitoring should be linked to the main likely impacts identified
- Indicators should be proposed for the key issues to be the most significantly affected
- In some cases, monitoring can be based on general monitoring of environmental quality (environmental yearbook etc.)
- If possible, monitoring can utilize information and data regarding specific projects and activities implemented within the Plan – based on that the overall impacts may be estimated



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Monitoring regarding mitigation measures

- Besides monitoring of environmental and health impacts, also implementation of SEA mitigation measures/recommendations should be ensured
- Planning agency should on a regular basis report on if and how SEA mitigation measures/recommendations are being implemented



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Case example on SEA and decision-making: SEA for National Programme of Air Emission Reduction, Czech Republic



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Key issues addressed in SEA

- Air
- GHG emissions
- Human health
- Biodiversity and ecosystems
- Water
- Soil
- Cultural heritage



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Indicators proposed

- Air
 - Annual reduction (%) of the primary particles
 - Annual reduction (%) of PAH
- GHG emissions
 - Annual GHG emissions per capita
- Human health
 - % of the population living in the areas with PM_{10} , $PM_{2.5}$, and benzo(a)pyren exceeding limits



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Monitoring scheme

- Based on national environmental and health monitoring system
- Data and information to be obtained from the responsible agencies i.e. Czech Hydro-meteorological Institute, Czech Environmental Agency, National Health Institute



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Case example on SEA and decision-making: SEA for Operational Programme Enterprise and Innovations 2007 – 2013, Czech Republic



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General scheme proposed

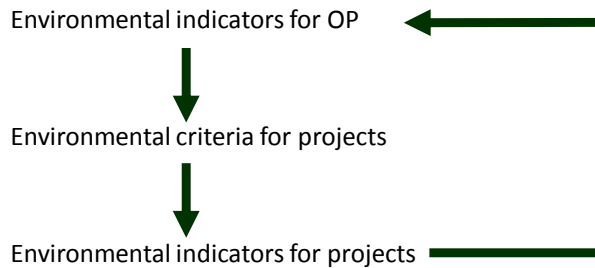
- Environmental monitoring should be integrated in the overall monitoring scheme
- Information from the project level can be used for estimation of the overall effects of the PP (aggregation of data)
- Two complementing systems (both should include environmental and health aspect):
 - Overall monitoring of OP
 - Projects' evaluation and selection



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SEA proposal

- SEA suggested 15 environmental indicators / criteria for projects
- Implementing authority selected 5 (the most relevant to the programme – CO2 emission, energy efficiency etc.)
- Each project can get 10 “bonus” points for environmental criteria (10% from overall scoring)



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SEA requirements

- integration of SEA indicators and criterion into overall monitoring and evaluation system
- Selection of relevant indicators for specific Key Areas of Intervention and projects
- ensuring of personal and expert capacities within the implementing structure
- informing the project developers
- regular reporting of the results and making it available to public



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