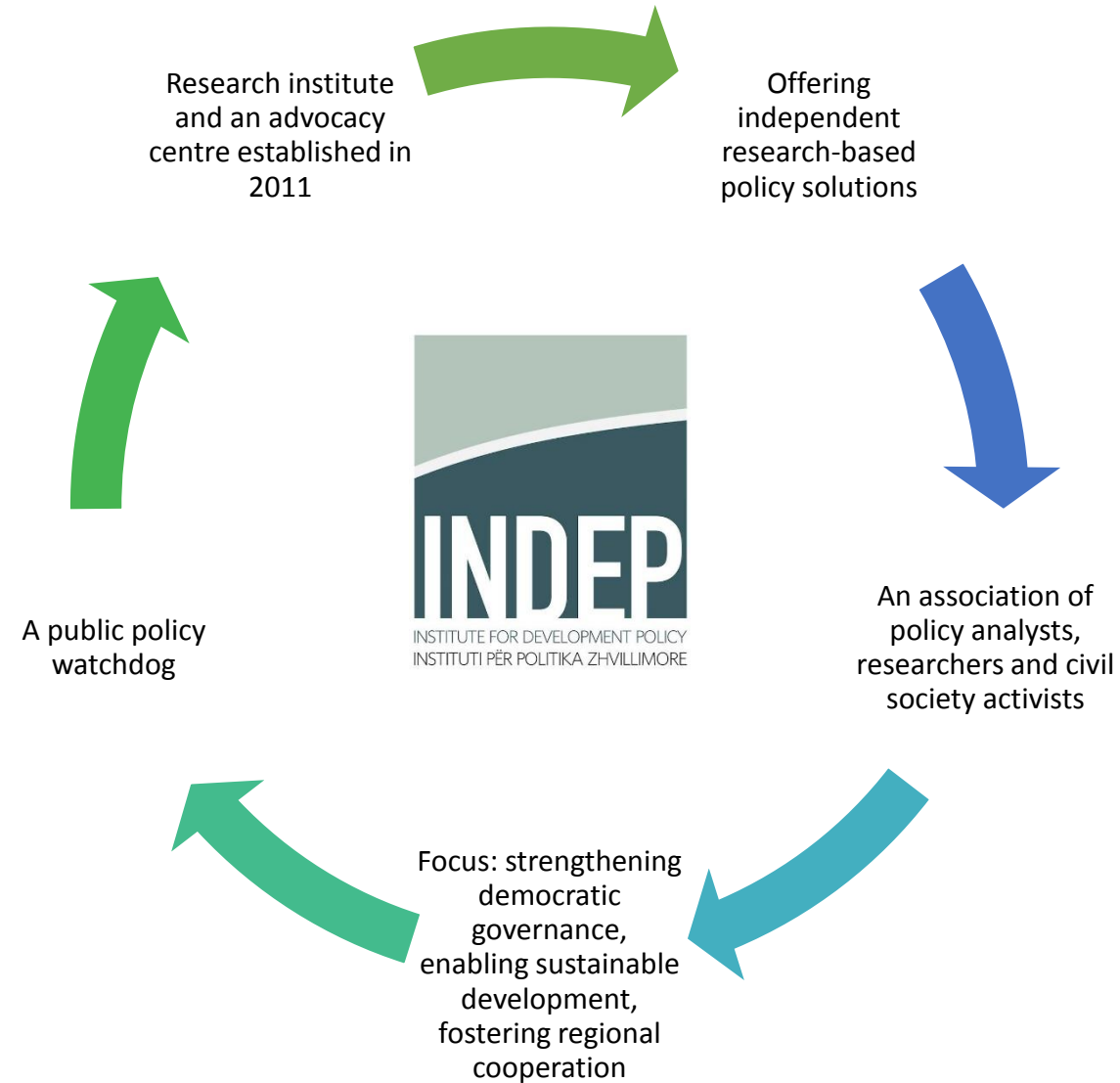


# Introduction of INDEP and key policy issues in the electricity sector of Kosovo

SEERmap project meeting  
Belgrade, 22-23 of September



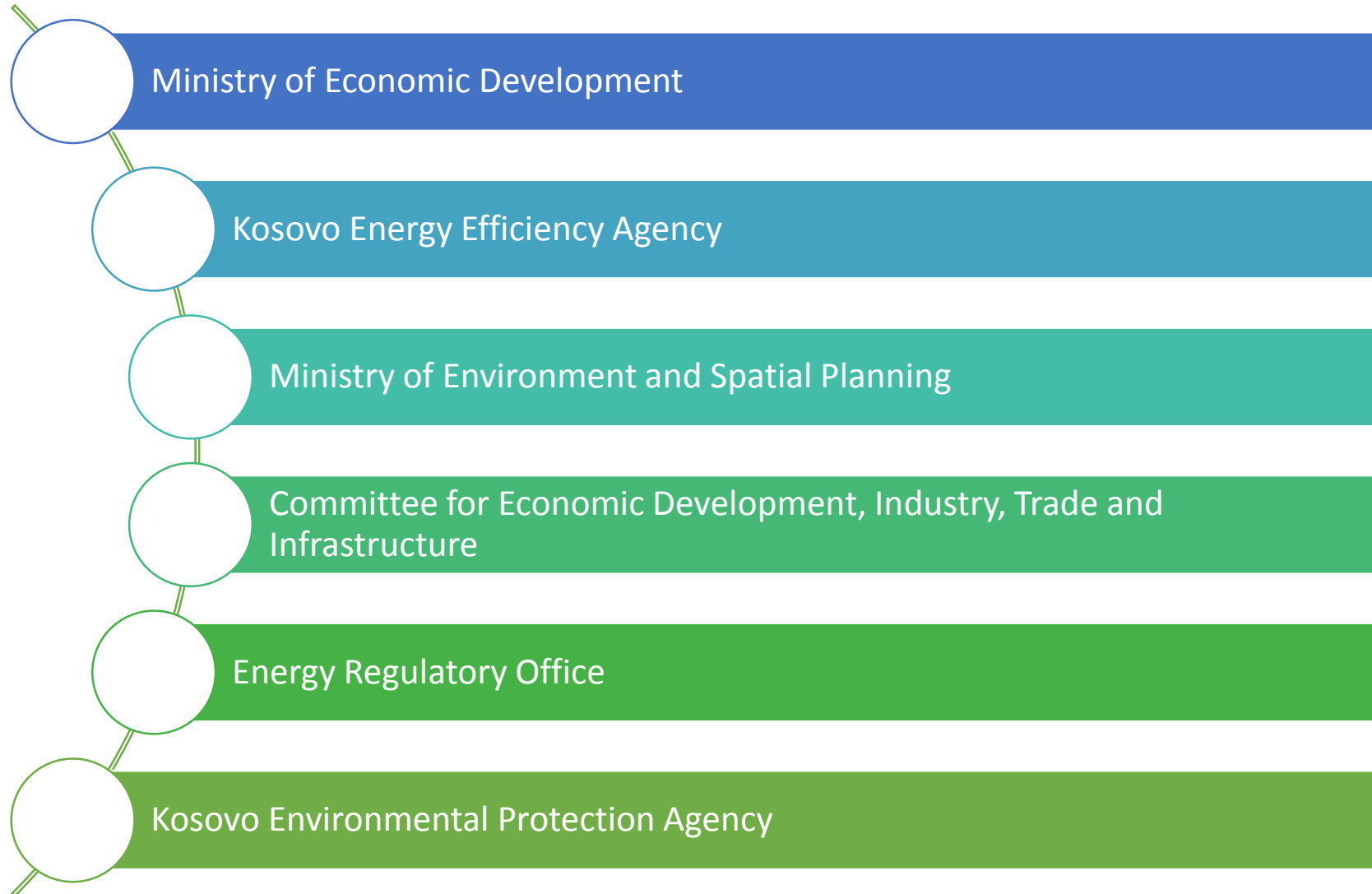
# Introduction of INDEP



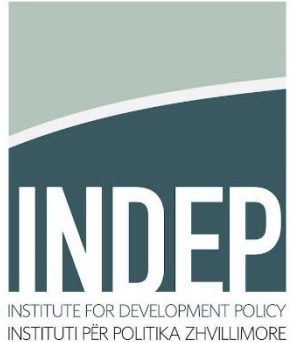
# Main projects in the energy sector

Project	Description
Development of the Sustainable Development Policy Sector	Through this project, INDEP has achieved to advocate sustainable development in Kosovo and the region at the international level. Our advocacy in the World Bank executive level, European Parliament, European Commission and countless others have brought Kosovo and Balkans energy issues to the global agenda
Support Energy Efficiency Implementation and Capacity Building Measures in the Private and Public Sectors in the Region Centre	The overall objective is to support Kosovo implement energy efficiency measures and targets agreed in the EE Action Plan and within the EC as well as increase awareness, improve capacity and institutional building at local level and help private sector generate green jobs. While, in specific, the project aims to: a) Support implementation of the energy efficiency measures at the local level; b) Improve institutional and human capacities to implement energy efficiency action plan; and c) Increase EE awareness and support private sector implement EE measures
Strengthening and Promoting Sustainable Development in Kosovo	INDEP conducts research and publishes studies regarding the on-going processes in the energy sector in Kosovo. The importance and the focus on cost analysis for developing different energy options, procedural and policy aspects within the country and the WBG, health impact issues, environmental impacts, etc.

# Project participants and partners



# Contact Info



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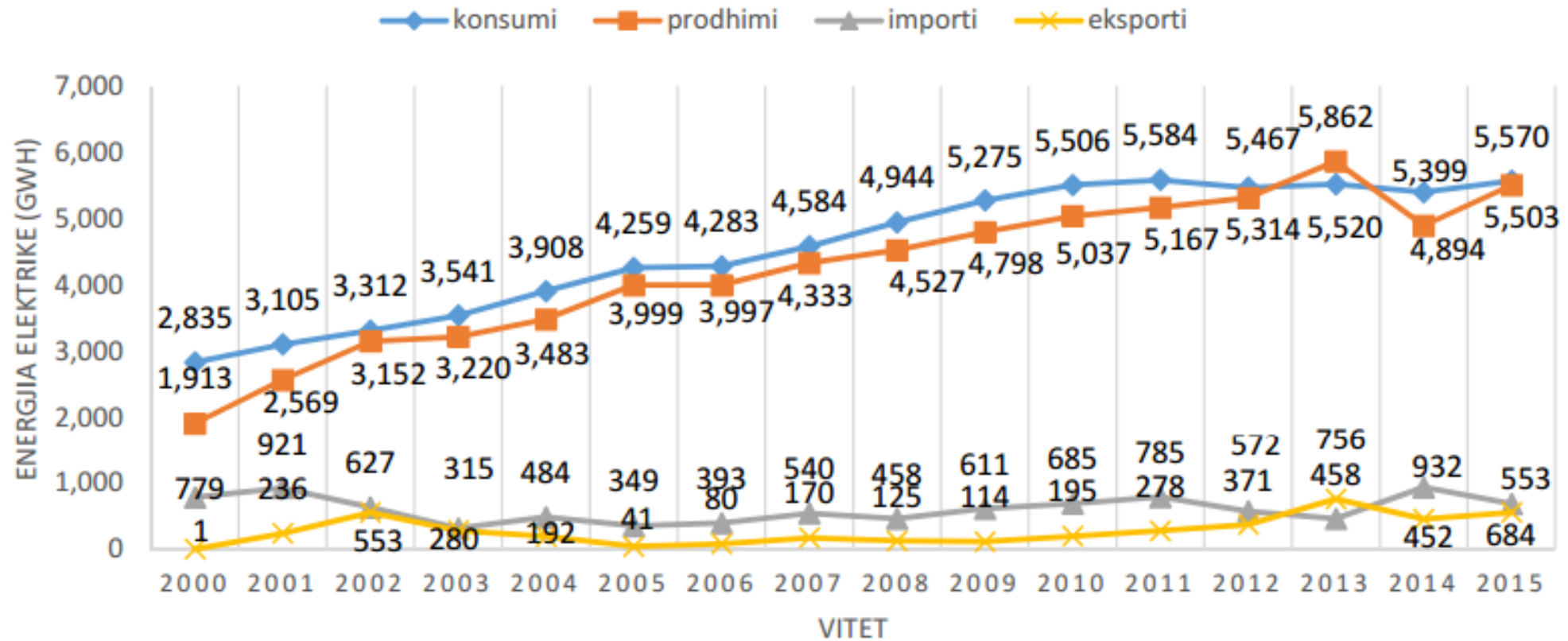
E-mail: [office@indep.info](mailto:office@indep.info)

Facebook: [www.facebook.com/InstitutiINDEP](https://www.facebook.com/InstitutiINDEP)

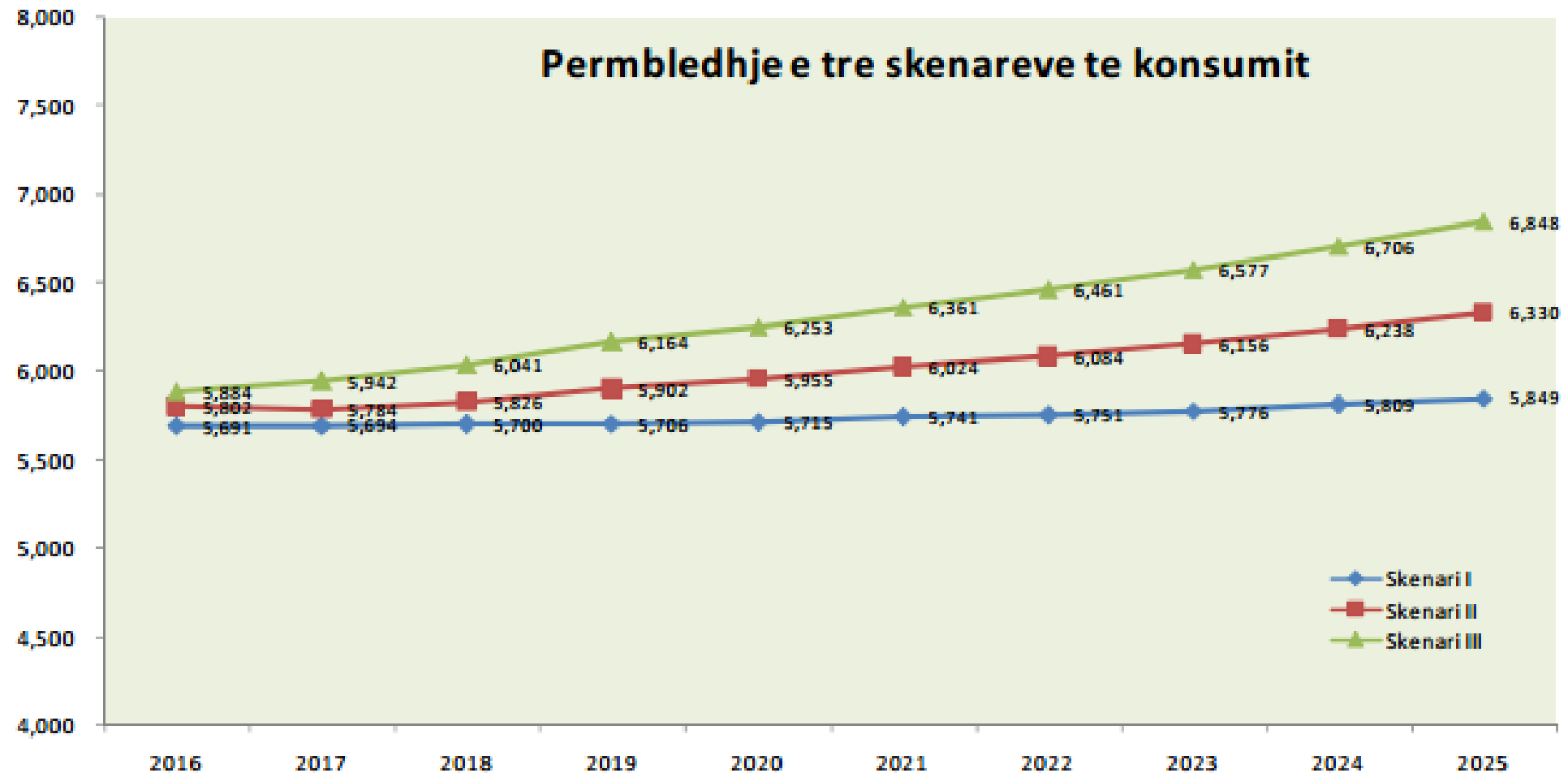
Twitter: [@indep\\_Kosovo](https://twitter.com/indep_Kosovo)

Skype:

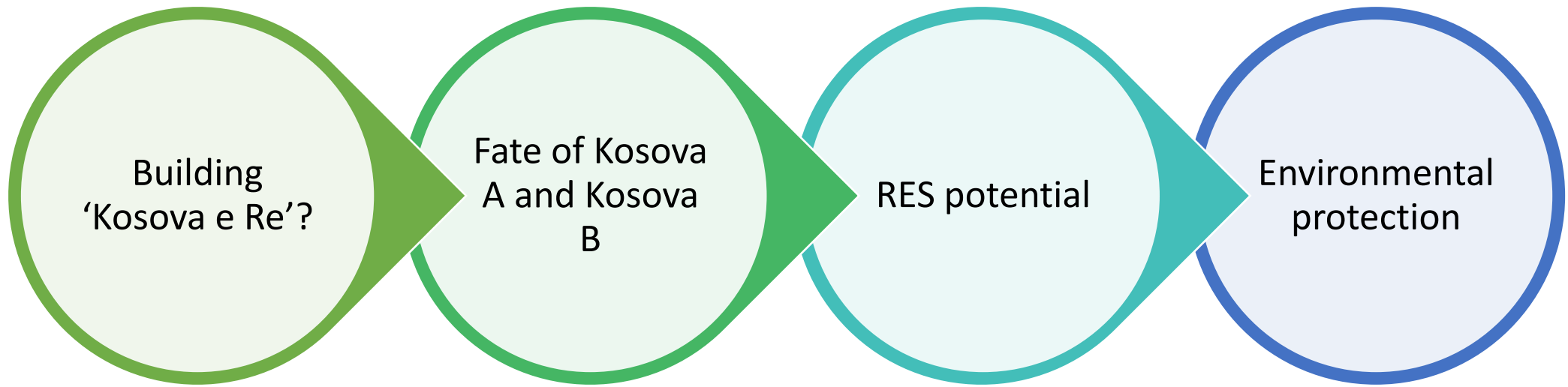
# Energy Demand in Kosovo



# Demand scenario forecasting

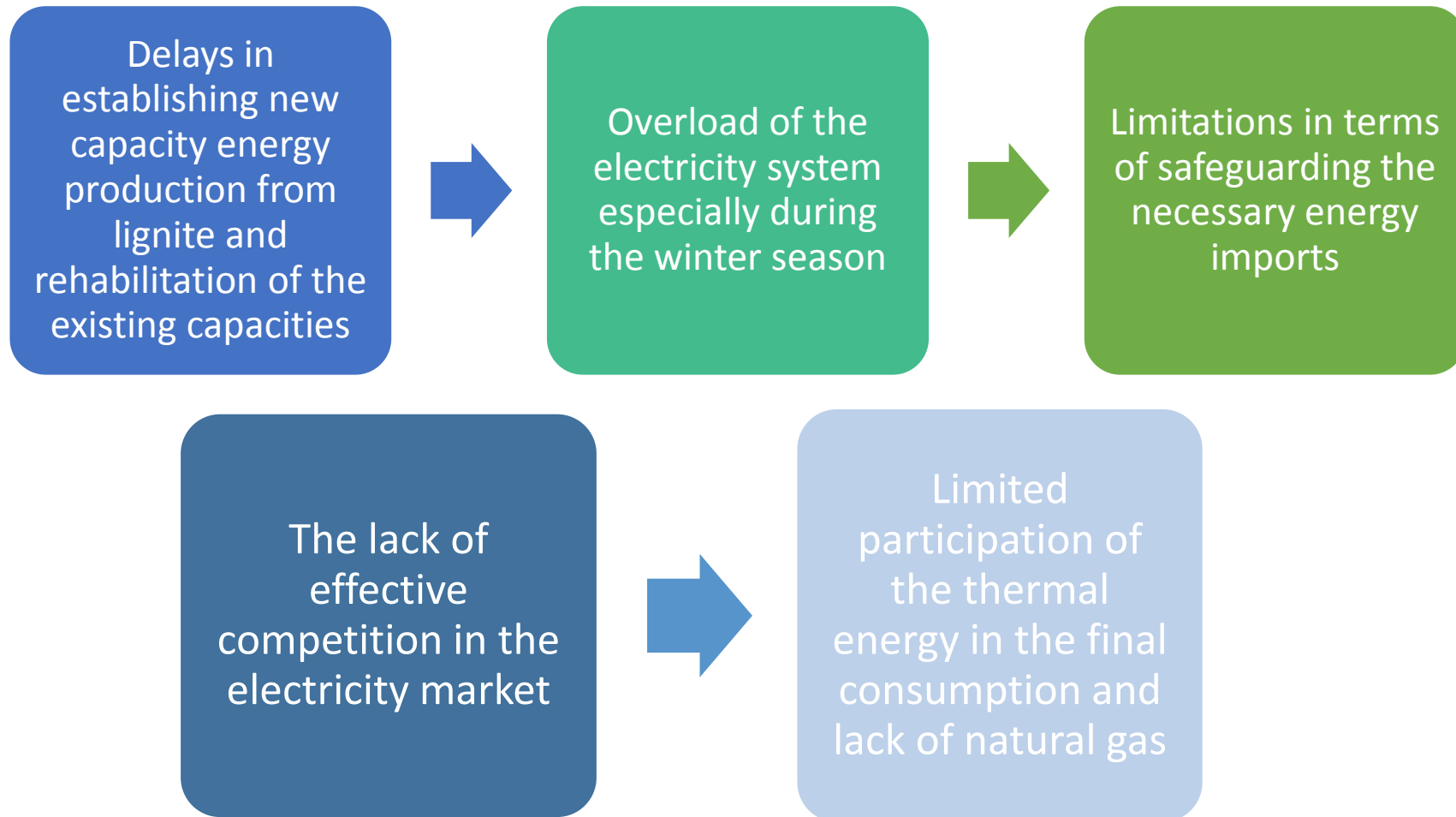


# Key policy issues in the electricity sector – Key issues





# Main challenges in the electricity sector



# Main policy documents and decisions

## Energy Strategy of Republic of Kosovo 2016-2025

### Priorities:

- Provision of reliable and quality electric power and capacity necessary for a stable electricity system;
- Integration in Regional Energy Market;
- Increase the existing capacity of thermal systems and construction of new capacity;
- Development of natural gas infrastructure;
- Improved energy use efficiency, renewable energy

### Summary:

- ✓ *Building 'Kosova e Re'*
- ✓ *Refurbishing Kosova B*
- ✓ *Exploiting the RES generation capacities*
- ✓ *Implementing EE measures*

# Energy Legislation in Kosovo

Kosovo adopted Laws on energy, electricity and gas aimed at transposing Third Package (June 2016)

LAW No. 05/L -052 ON THERMAL ENERGY

Law 05/L-084 on Energy Regulatory

LAW No. 05/L-085 ON ELECTRICITY

LAW No. 05/L – 081 ON ENERGY

LAW No.04/L –016 ON ENERGY EFFICIENCY

Law No. 03/L-116 ON CENTRAL HEATING

LAW No. 05/L – 082 ON NATURAL GAS

19 Administrative Instructions

1 Regulation

# Current electricity production structure

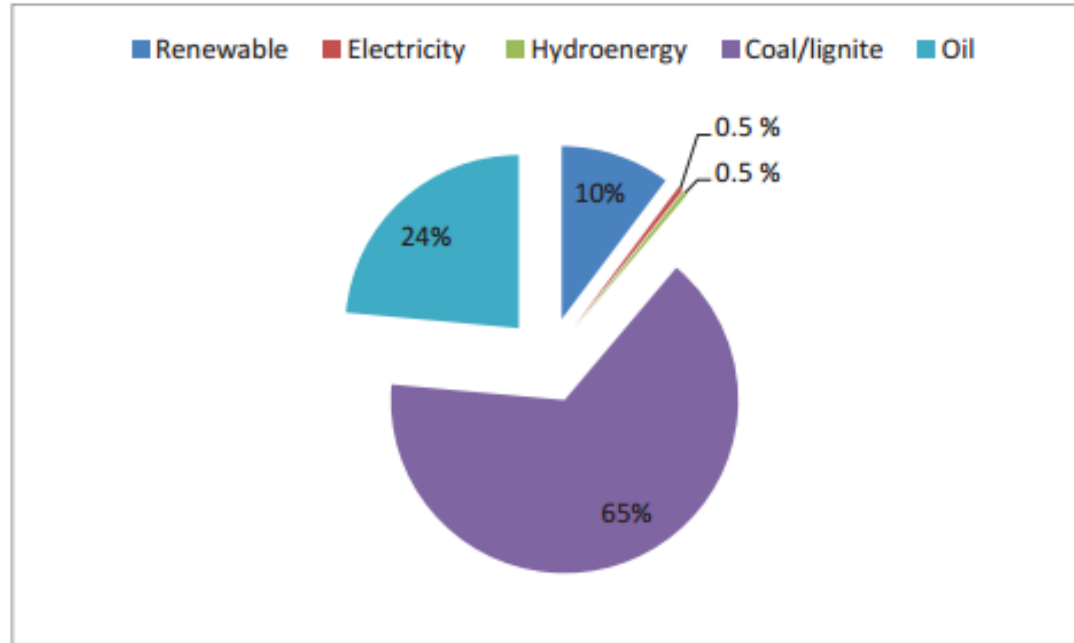


Figure 15: Primary energy sources available 2013<sup>18</sup>

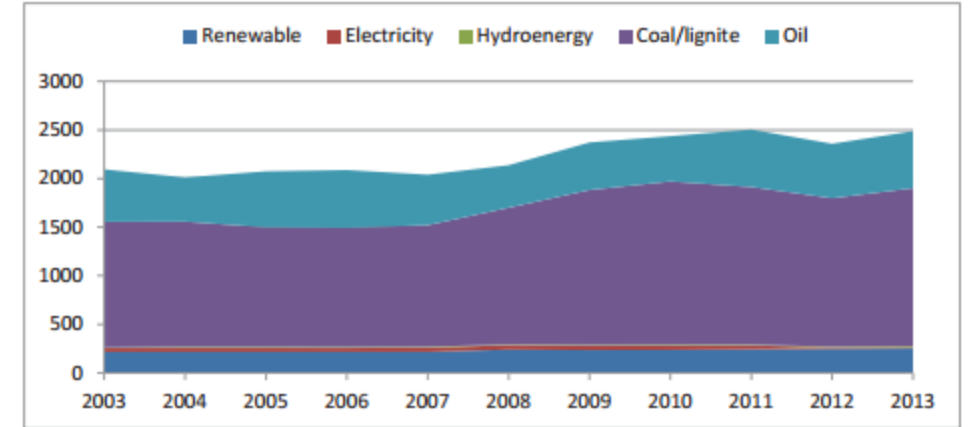


Figure 16: Primary energy consumption (ktoe) by fuel type (fuel) 2003-2013<sup>19</sup>

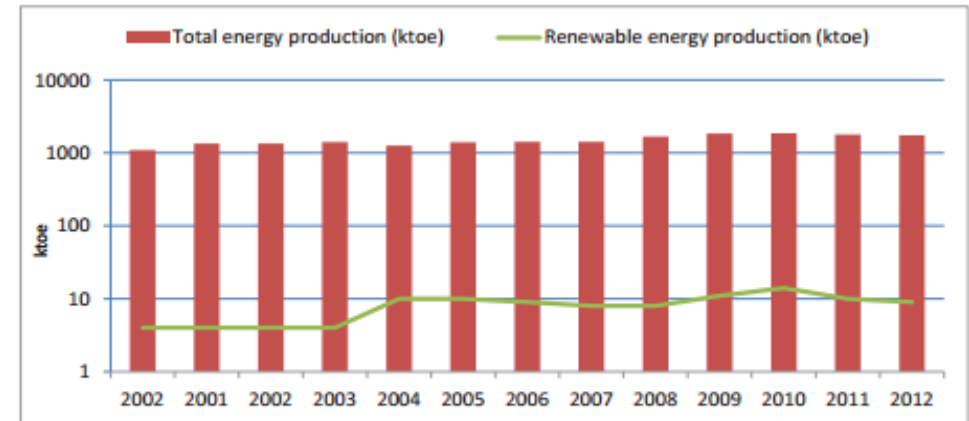


Figure 17: The ratio between the total electricity production and renewable energy 2000-2013<sup>20</sup>

# Environmental impact from the electricity sector

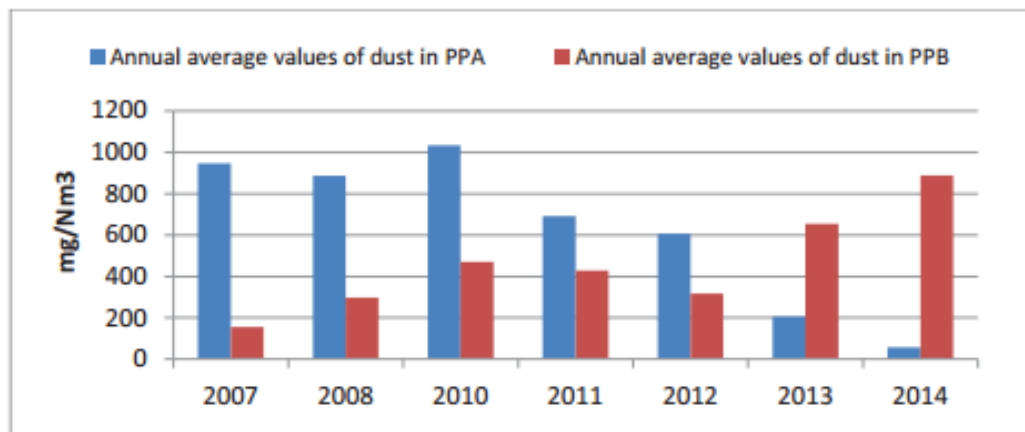


Figure 18. Annual average values of dust in PPA and PPB during 2007 – 2014<sup>21</sup>

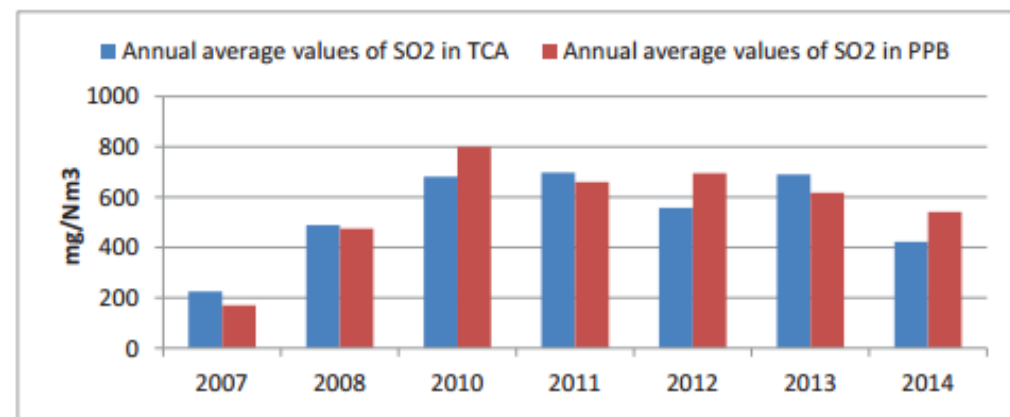


Figure 19. The annual average values of SO<sub>2</sub> in PPA and PPB during 2007 – 2014<sup>22</sup>

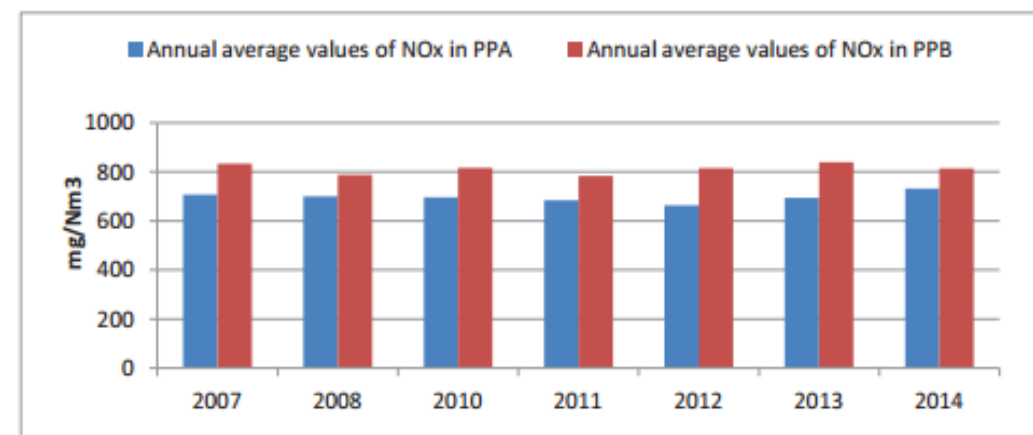


Figure 20. The annual average values NO<sub>x</sub> in PPA and PPB during 2007 – 2014<sup>23</sup>

# NATIONAL RENEWABLE ENERGY ACTION PLAN (NREAP) 2011 - 2020

Table 2 - National overall target for the share of energy from renewable sources in gross final consumption of energy in 2009 and 2020

A. Share of energy from renewable sources in gross final consumption of energy in 2009 (S <sub>2009</sub> ) (%)	18,90	18,90
<b>B. Target of energy from renewable sources in gross final consumption of energy in 2020 (S<sub>2020</sub>) (%)</b>	<b>25,00</b> <b>(mandatory)</b>	<b>29,47</b> <b>(voluntary)</b>
C. Expected total adjusted energy consumption in 2020 (from Table 1, last cell) (ktoe)	1729,82	1729,82
D. Expected amount of energy from renewable sources corresponding to the 2020 target (calculated as B x C) (ktoe)	432,46	<b>509,70</b>

# NATIONAL RENEWABLE ENERGY ACTION PLAN (NREAP) 2011 - 2020

25.64% of RES in gross  
final consumption of  
electricity

- In the electricity sector, RES generation increases are based on the development of small and large hydro power plants: 240 MW from small hydro power plants; 305 MW from HPP Zhuri, 150 MW from wind, 14 MW from Biomass, and 10 MW from photovoltaic plants. The electricity sector contributes to the overall RES target with 10.1 %.

10% of RES in gross  
final consumption of  
transport

- The sectorial RES target in transport is calculated in accordance with Article 3(4) of the Directive 2009/28/EC is 10 %. However, the actual rate in the overall energy consumption in transport (which is higher than the amount calculated in Accordance with Article 3 (4), due to the use of kerosene, jet fuel and transport oil), is at the level of 9.24 %. The contribution of this sector in the overall target is set at 2.1 %.

45.65% of RES in gross  
final consumption on  
heating and cooling

- Solar energy of 70 MWth, 10 MWth from thermal pumps. Heating and cooling sector contribute to overall RES target in 2020 with 17.2 percent points. The main contribution is from use of biomass in the form of traditional logwood, which will continue to be the most important heating source in Kosovo.

# Inputs to long term electricity scenarios

- What type of scenarios would you like to see in SEERMAP concerning the electricity sector?
  - The impact of the Energy Market in demand and prices
  - The expansion of RES and the full utilization of the EE potential
  - The potential energy scenario without coal/lignite expansion
  - The impact of the new power plant on consumer prices





**THANK YOU!**