

“An Outlook of Renewable Energy Sources in SE Europe ”

Croatia and the SE European Energy Bridge

A one day Workshop, Organized by IENE

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Installed Electricity Capacity in SE Europe, and the share of RES in electricity generation (MW, 2013 - 2014)

| | Hydro ^[1] | Wind | PV | Total RES + Large Hydro | Total Electricity (MW) | RES (total %) |
|----------------------|----------------------|------------------|-------|-------------------------|------------------------|---------------|
| Albania | 1.466 | 0 | 0 | 1.466 | 1.496 | 96% |
| Bosnia & Herzegovina | 2.058 | 0 | 0 | 2.058 | 3.850 | 53% |
| Bulgaria | 2.183 | 682 | 980 | 3.874 | 13.759 | 29% |
| Croatia | 2.112 | 302 | 7.3 | 2.420 | 4.268 | 54% |
| FYROM | 580 | 0 | 1 | 581 | 1.600 | 36% |
| Greece | 3.060 + 218 | 1.865 | 2.600 | 7.900 ^[2] | 17.700 | 44% |
| Montenegro | 660 | 0 | 0 | 660 | 870 | 73% |
| Romania | 6.400 | 2.650 | 413 | 9.500 ^[3] | 17.360 | 50% |
| Serbia & Kosovo | 2.831 | 0 ^[4] | 2 | 2.833 | 8.360 | 34% |
| Turkey | 14.000 | 3.080 | 2 | 17.340 ^[5] | 61.070 | 28% |

[1] Including both large and small hydro

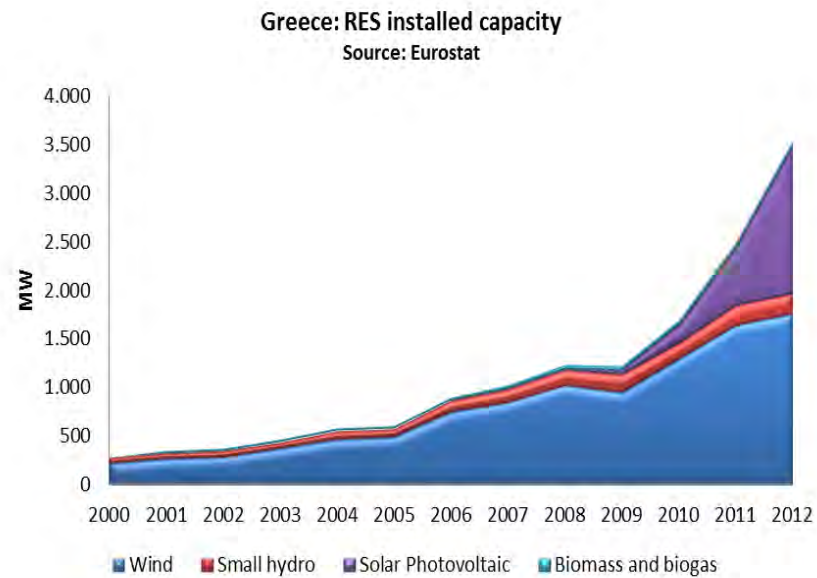
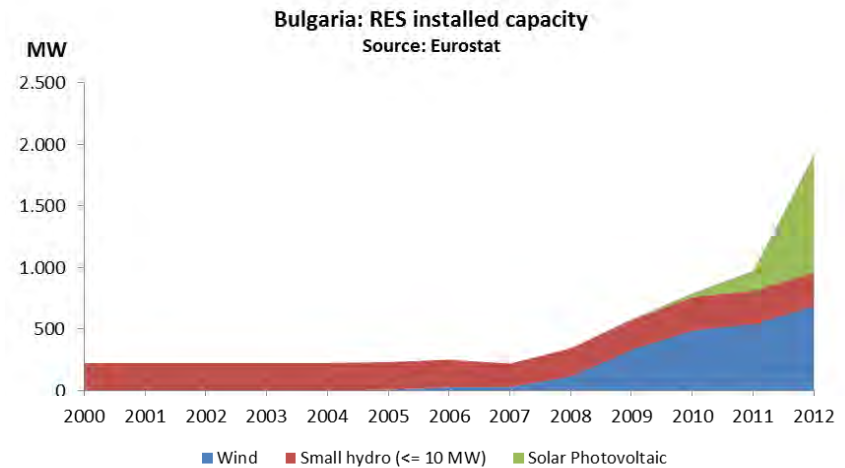
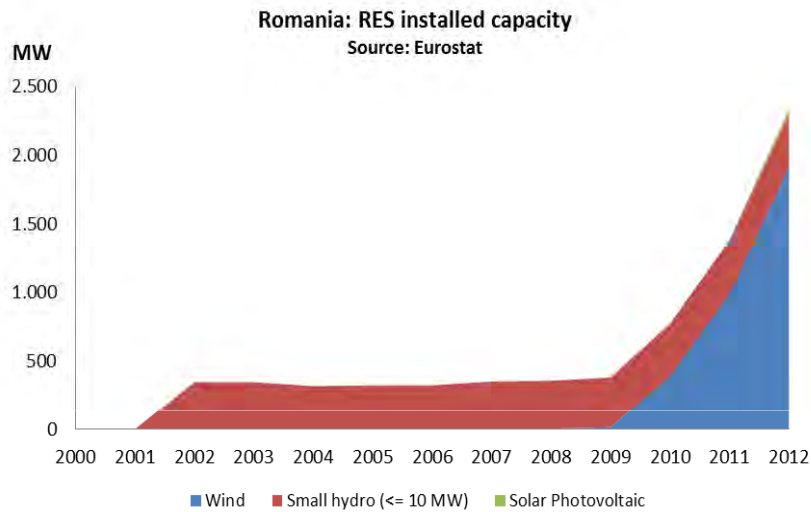
[2] Including some 50 MW of biomass installation

[3] Including some 50 MW of biomass installation

[4] A wind farm of 120 MW is under construction

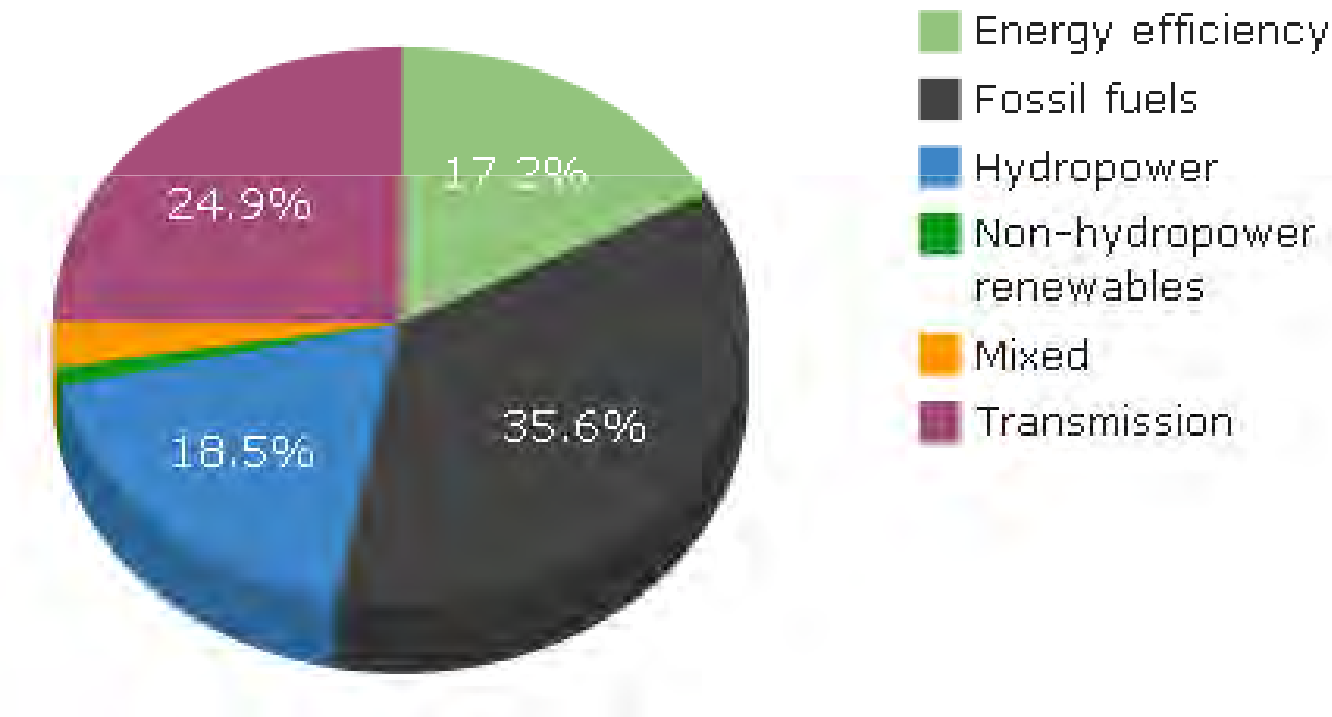
[5] Including 180 MW of geothermal power plants

RES Installed Capacity in Selected Countries (2000-2012)

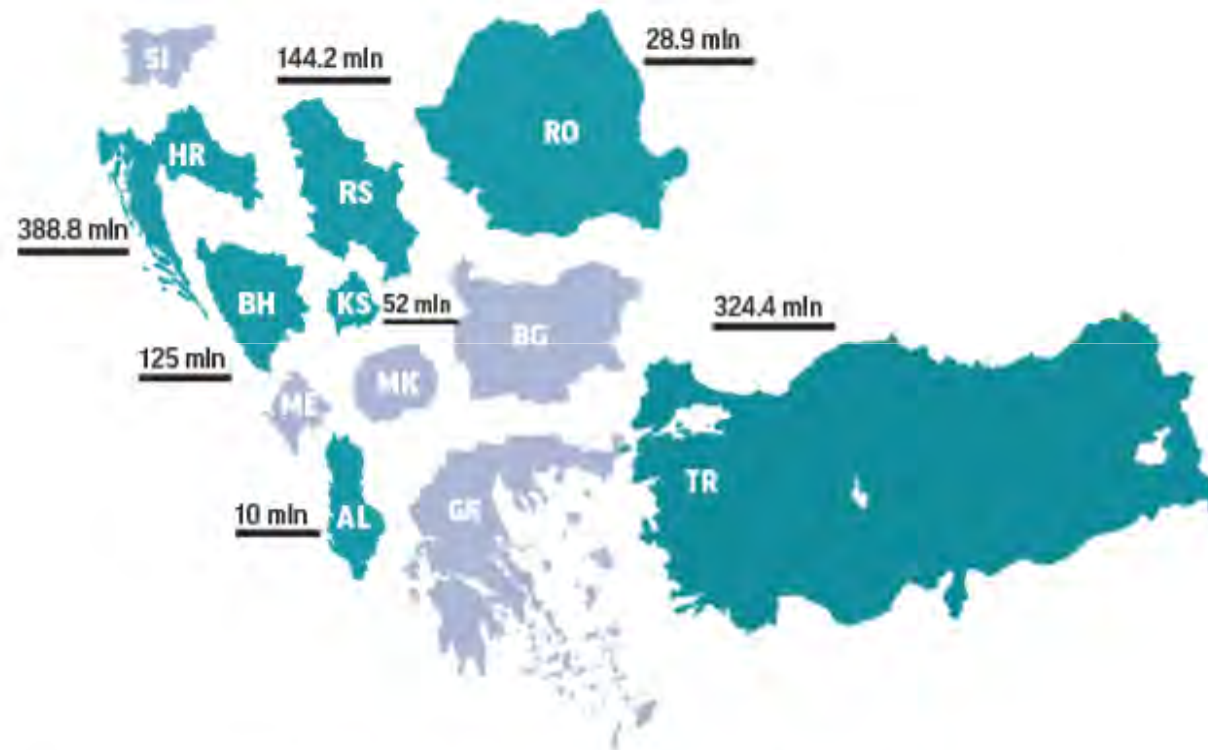


Financing the Energy Sector in West Balkans

EBRD, World Bank Group, EIB, EU-IPA: Energy financing in the Western Balkans 2006-2012 (in % and 100 million EUR)



Financing for the RES industry



- RES projects in Croatia and Turkey most actively seek project funding with over EUR 700 mln of attracted investments
- Lending institutions that support the development of renewables in the region are: the EBRD with 7 mentions, the IFC – 6, the EIB and the WB – 2
- Hydropower projects won most of the allocated funds



A snapshot of the RES development in SE Europe

- ❑ **Greece:** Severe Retroactive Reduction of FITs for Greek Renewables. Renewable energy share reaches 15.5% in 2013
- ❑ **Turkey:** Turkey targets 20 GW of Wind Power Capacity by 2023. Turkey's total installed wind energy capacity increased by 700 MW to 3,500 MW in early 2014.
- ❑ **Bulgaria:** Bulgaria has already achieved its 2020 target of 16% for the share of energy from renewable sources
- ❑ **Romania:** The government decided to postpone the handing out of a number of green certificates
- ❑ **Croatia:** The Croatian government adopted in October 2013 a national action plan for renewable energy sources until 2020. In terms of energy savings, by 2020, Croatia should renew and adapt 20% of state-owned buildings – at least 6% by January 1st, 2016.
- ❑ **Serbia:** Energy security, greater use of renewables and market liberalisation
- ❑ **Cyprus:** Applications for Household Installations of PV Systems Reach Target.
- ❑ **B&H:** Good prospects for RES development



**Thank you for
your attention**

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