



Group of Experts on Renewable Energy



Cooperation with the UNECE Group of Experts on Renewable Energy (GERE)

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Secretary of GERE, UNECE**

4th Session of the Group of Experts on Energy Efficiency, Geneva, 1-11-2017



GERE is a platform to boost changes:

The Group was launched in 2014 as subsidiary body of the Committee on Sustainable Energy and aims to:

- Understanding RE status and tracking progress in the UNECE region
- Facilitate the exchange of best practices
- Consider the role of RE within future energy systems
- Promote instruments for assessing RE potential possible synergies between RE and fossil fuels in the energy production
- Identify needs, key bottlenecks and opportunities for market conditions and possible investment promotion

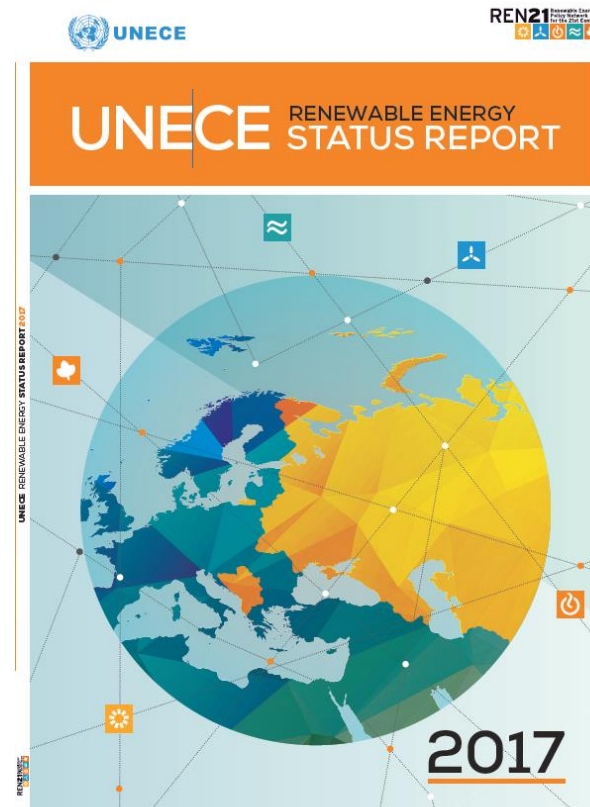
Key partners:

- REN21: UNECE RE Status Report/ Hard Talk (MoU in 2014), support to GERE (MoU in 2014) including with a Vice-Chair of its Bureau
- IRENA: Potential in SEE; Potential in Central Asia, support to GERE (MoU in 2014) including with a Vice-Chair of its Bureau
- IEA: Data and contribution to the UNECE RE Status Report; support to GERE (Cooperation agreement 2015) including with a Vice-Chair of its Bureau
- Other UN Agencies, UN RCs, WB, EU, EBRD
- Bilateral donors, in particular Germany (GERE tracking/ best practices) & Italy (Nexus)

Key activities & outputs:

- REN21 UNECE Renewable Energy Status Report (2015 & 2017)
- Best Practices and Lessons Learned
- Hard Talks (Georgia, Ukraine, December 2016, Azerbaijan, October 2017)
- Matchmaking in Baku (2016) and Astana (2017) – 7th and 8th International Forum on Energy for Sustainable Development

The UNECE REN21 Renewable Energy Status Report 2017



REN21 Renewable Energy
Policy Network
for the 21st Century




Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages




ENERGY

Renewable energy share of total primary energy supply (TPES), 2014

Country	Total Energy TPES	Non-Renewable Energy TPES	Renewable Energy TPES	Share of Renewable Energy TPES
	ktoe	ktoe	ktoe	%
Albania	2,336	1,698	637	27%
Armenia	2,959	2,753	206	7%
Azerbaijan	14,322	14,088	234	2%
Belarus	27,746	26,302	1,444	5%
Bosnia and Herzegovina	7,824	5,821	2,003	26%
Georgia	4,390	3,191	1,199	27%
Kazakhstan	76,667	75,934	734	1%
Kyrgyzstan	3,795	2,649	1,147	30%
Macedonia (FYR)	2,623	2,334	289	11%
Moldova	3,302	2,991	311	9%


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Renewable energy share of total primary energy supply (TPES), 2014

Country	Total Energy TPES	Non-Renewable Energy TPES	Renewable Energy TPES	Share of Renewable Energy TPES
	ktoe	ktoe	ktoe	%
Montenegro	957	640	316	33%
Russian Federation	710,883	692,912	17,970	3%
Serbia	13,259	11,256	2,003	15%
Tajikistan	2,805	1,429	1,376	49%
Turkmenistan	26,749	26,742	7	0%
Ukraine	105,683	102,887	2,797	3%
Uzbekistan	43,677	42,655	1,021	2%

RE share of TPES in UNECE region: 9%

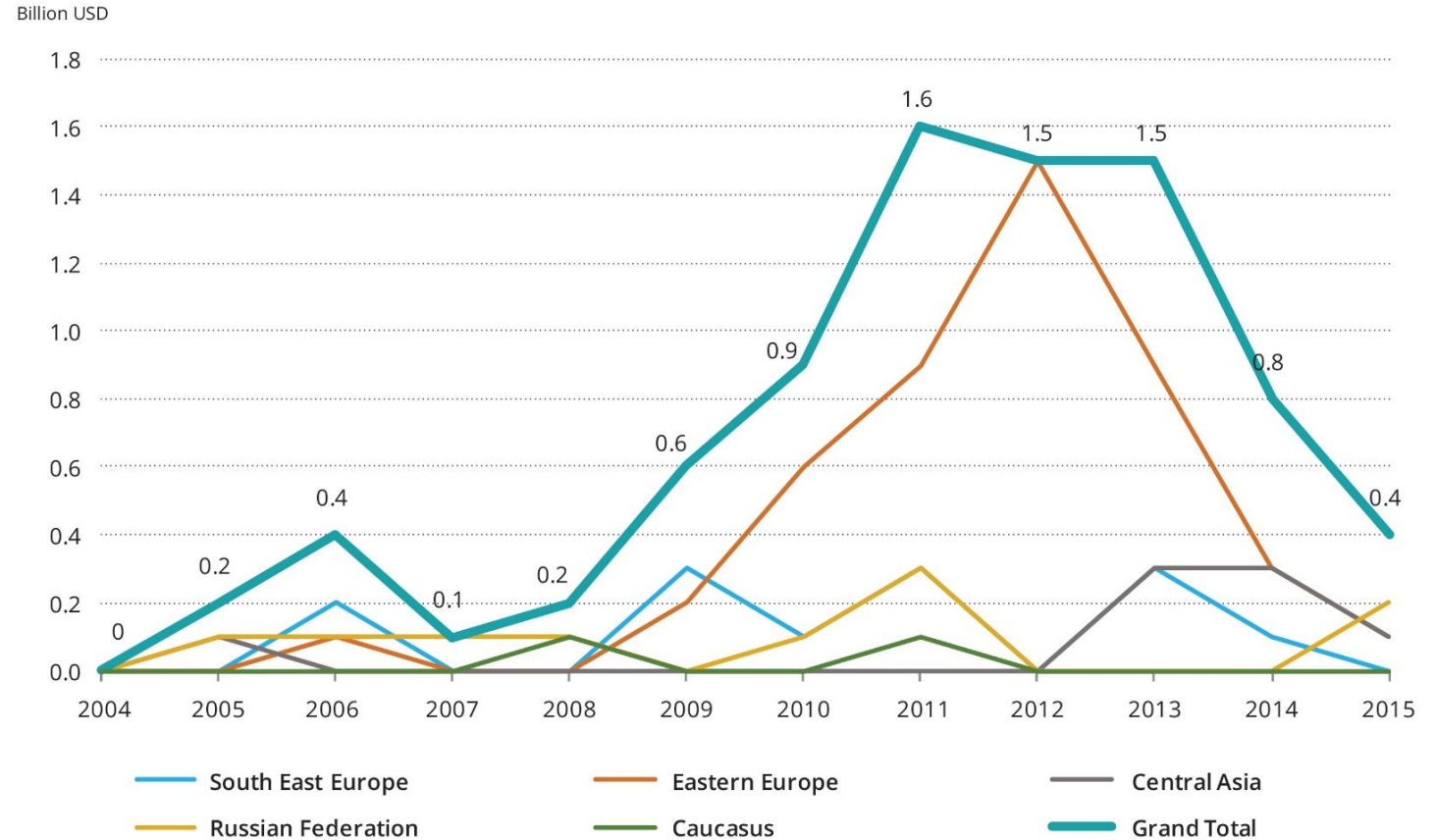
RE share of TPES in 17 UNECE countries: 3%

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Renewable Energy Investment Overview, 2004 - 2014

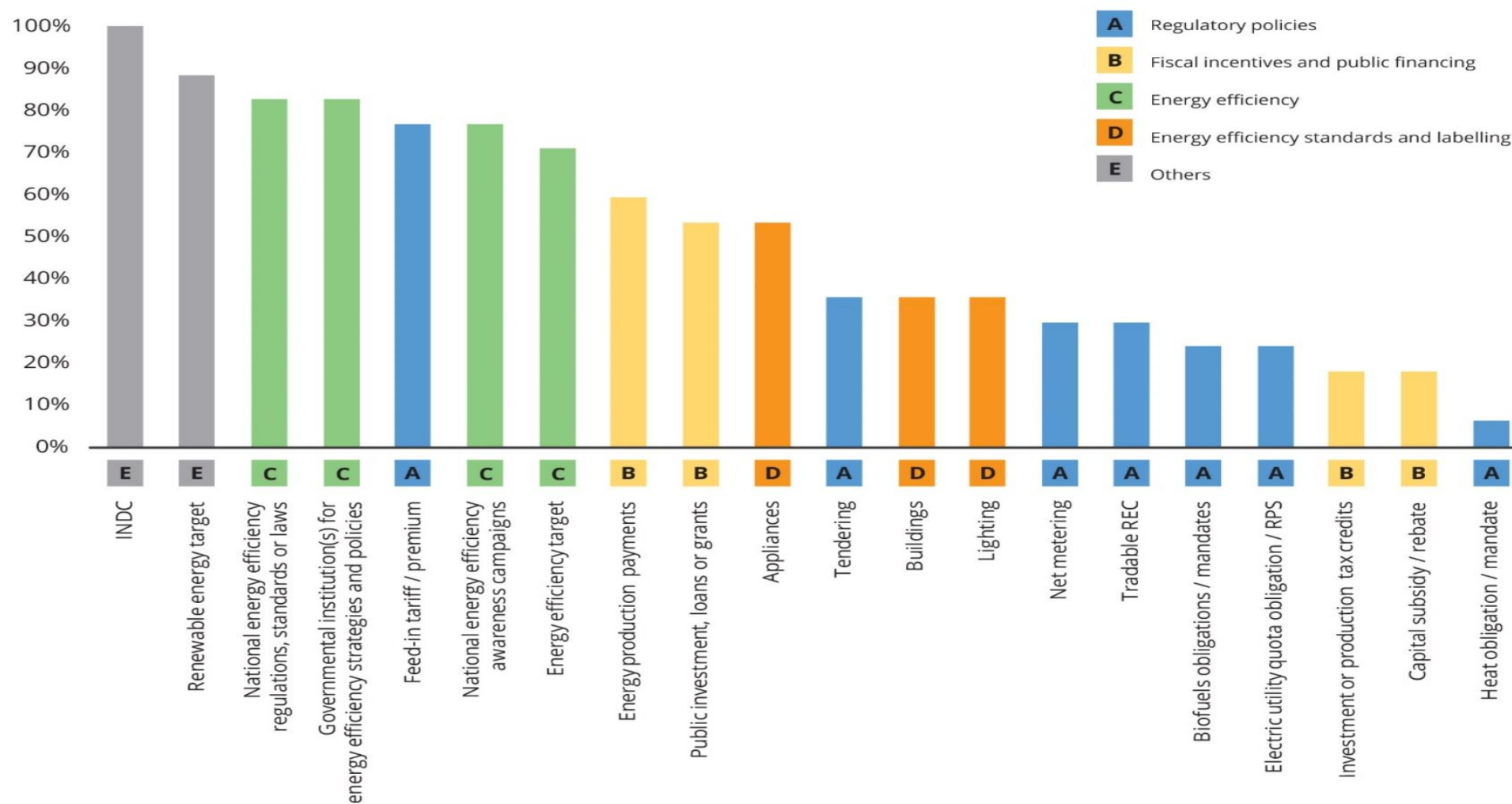
- The covered countries only represent 0.2 % of new RE investment in 2015 worldwide
- Investment attraction remains an issue for RE development in the region





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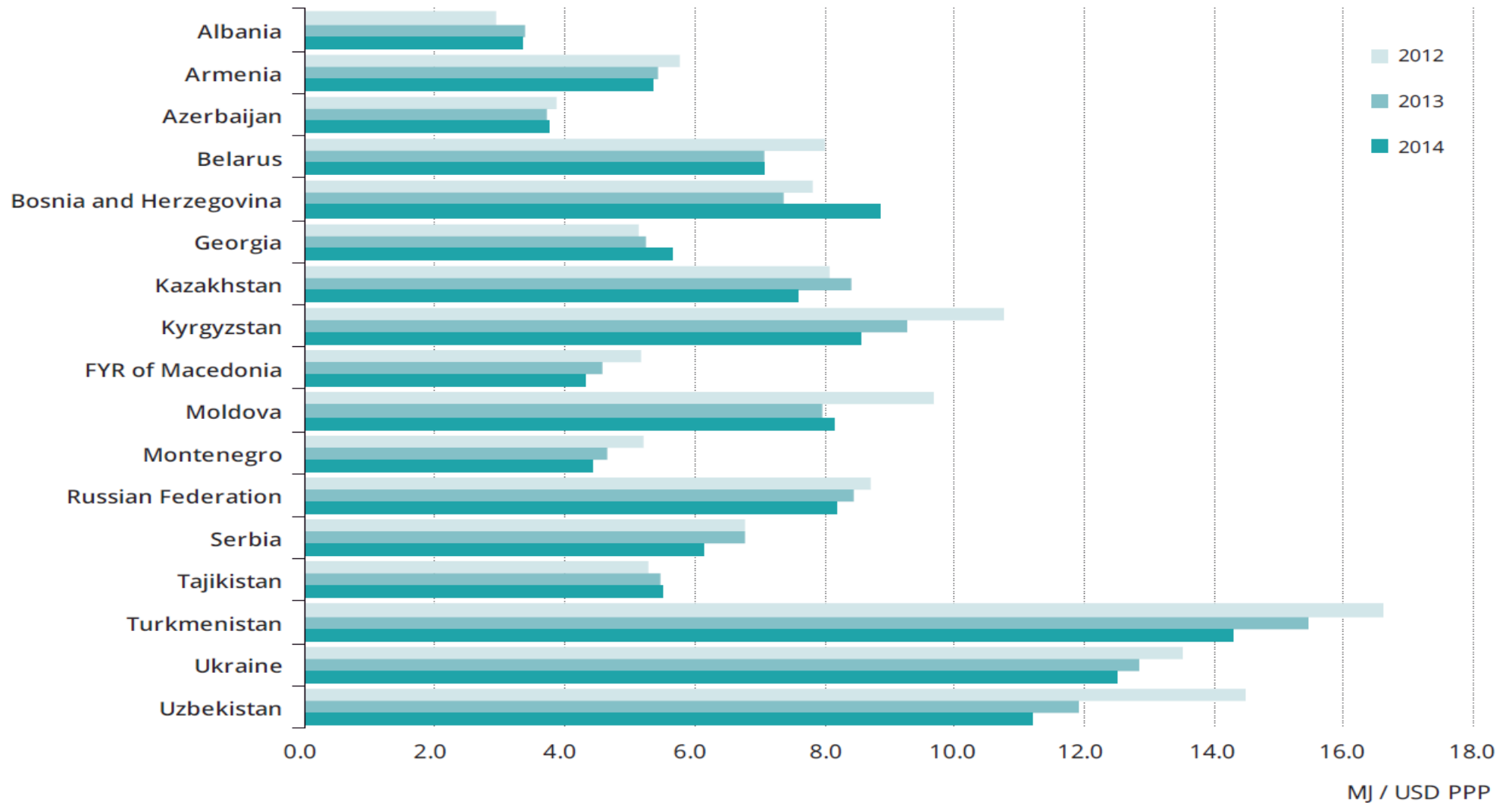
RE Policy and Target Landscape – UNECE (17)





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Primary Energy Intensity, by Country, 2012, 2013 and 2014



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TABLE 7 | Transmission and Distribution Losses In Selected Countries of South East and Eastern Europe, 2014 and 2015

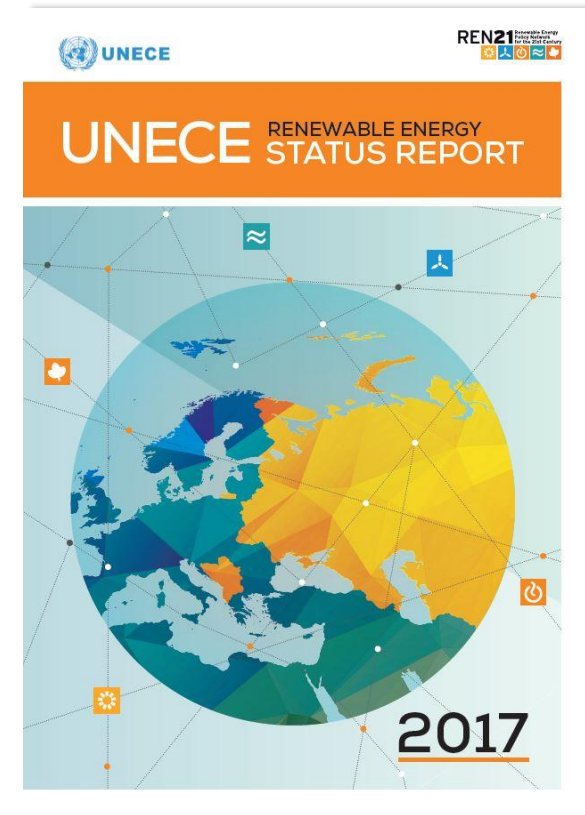
	Transmission losses (%)		Distribution losses (%)	
	2014	2015	2014	2015
Albania	2.1	2	37.8	31.3
Bosnia and Herzegovina	1.7	2	10.7	10.4
FYR of Macedonia	1.9	1.7	15.5	14.8
Moldova	2.7	2.7	9.7	8.5
Montenegro	3.9	3.8	17.6	17.6
Serbia	2.44	2.22	14.4	14.1
Ukraine	2.7	3	10.1	9.8



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Conclusion

- South East and Eastern Europe, Caucasus, Central Asia and Russian Federation made strides into the realm of renewable energy and energy efficiency over the past two decades
- Governments advance in developing targets and policies that promote renewable energy sources present abundantly in different forms across the region
- Numerous barriers remain (energy subsidies, legal & administrative complexities, awareness of affordability, etc.) and delay projects implementation
- Viewed from global perspective, capacity and investment in the covered 17 countries remain marginal



Full report is available at:

[https://www.unece.org/energywelcome/areas-of-work/renewable-energy/unece-renewable-energy-status-report.html](https://www.unece.org/energy/welcome/areas-of-work/renewable-energy/unece-renewable-energy-status-report.html)



4th SESSION

GROUP OF EXPERTS ON RENEWABLE ENERGY

2 - 3 November 2017
Room VIII / Palais des Nations / Geneva



More on GERE:

<http://www.unece.org/energy/se/gere.html>

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Thank you!

