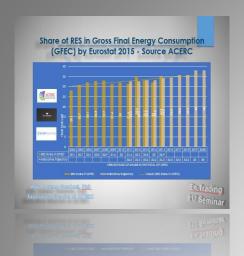
"I would put my money on the sun and solar energy", by Thomas Edison, 1931











Legal Assessment on the Electricity Generation Capacity Development in Albania



Adv. Lorenc Gordani, PhD

Law Adviser in Energy Policy, Regulation & Infrastructure

EN.TRADING 017 SEMINAR: "KEEPING UP WITH SEE PXS DEVELOPMENT", HOTEL ROGNER, TIRANA, 14. SEP. 2017



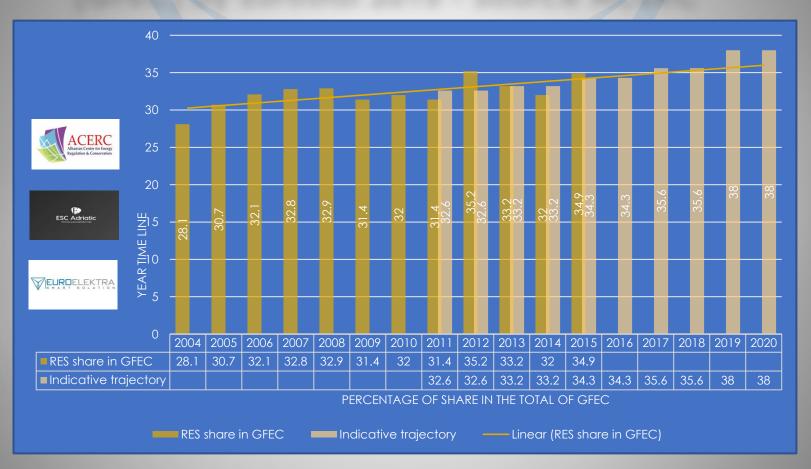
The Main bullet Points Covered:

- > Regional Targets and Biding Obligations
- > Statistical Findings on Demand Request and Investments
- > Hydropower Policy, a failure or success, in Albania?
- ➤ A Revolution Era of Photovoltaics Deployment!
- > New Projections on the Conventional Power Plants
- ➤ Forecast on the Future Scenarios by ACERC

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Share of RES in Gross Final Energy Consumption (GFEC) by Eurostat 2015 - Source ACERC



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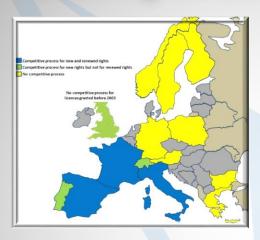
Electricity Consumption Developing Scenarios Growth Rate 1,5 and 3% - Source ACERC

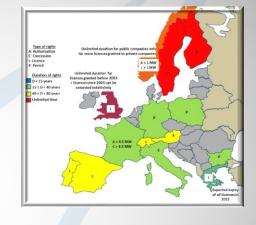


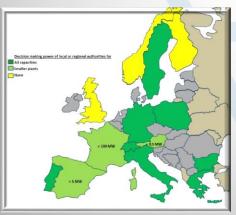
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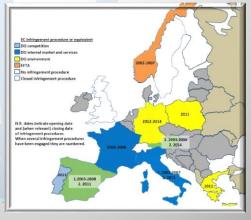
Executive Director of ACERC

Various Regimes Across EU & WB Countries in Granting Investment of HPPs





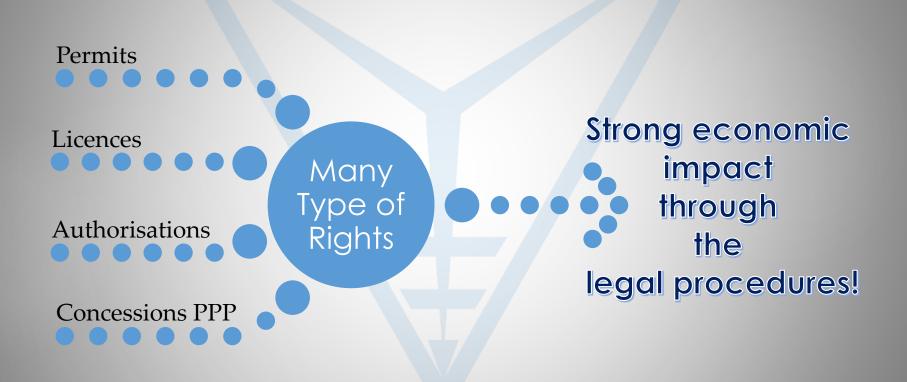




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WBs Institutional and Organizational Framework under the Regime of Concession/PPP



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PPPs as a Regime Build to Attract the Favor of Private and Foreigner Investors



Freely negotiate terms of CA based in financial modelling with IRR at 16-22%

PPA guaranties the intake of all energy, based in "feed-in" model for a period from 15Ys

Permits release (up to 20) as a coresponsibility shared with the public authorities

Harmonized with the EU Directive 2004/18/EC

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HPPs Deployment Forecast Based at Modelling in the Electricity Sector of the SLED SEE 2016 by ACERC



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Revolution Era of Photovoltaics Deployment in Albania!

Mid-spring 2017, NetMeeting, up to 500kV, simplify permission (maximum 30 days)

Legal Framework: favorably provision introduced with the new RES Law 7/2017

Technical Potential: Albanian 240-300 days & exploitation of PV's production range over 1500-1800 kWh/m²/a

May 2017, MoU MEI-EBRD, PPA by 100 €/MWh thought authorization up to 2MW for 50-100MW

On 9 June MoU EBRD-ECS, **international auction**, up to 700MW (minimum 500 mil/€) of large-scale PV plants within 2020

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New Projections on the Conventional Power Plants

GMP 2017: Consumption for electricity generation 770 mcm within 2040

Albania Gas Master Plan (GMP) 2017: Total penetration rate of thermal demand to 1.5 bcm & 3 bcm within 2020 & 2040

Back-up reserve: already Valona CCGT 97 MW

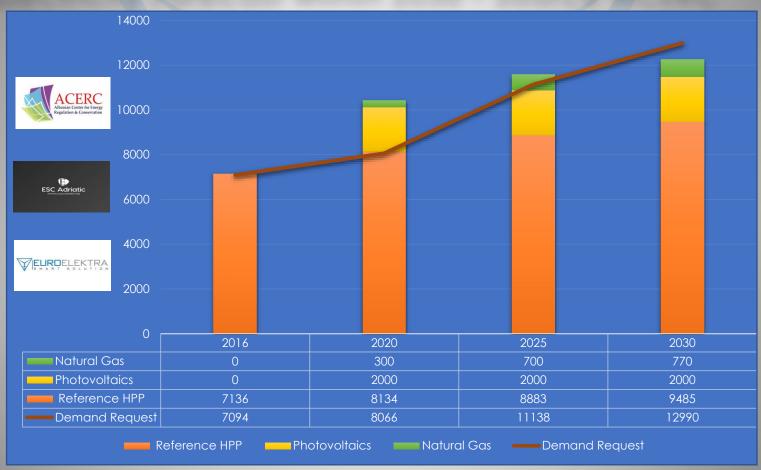
Capacity market: Albpetrol pre-agreed on 0.3 bcm

New plans of CCGT Vlora II and III, 200 & 160 MW, foreseen to come online in 2020 and 2025

Adv. Lorenc Gordani, PhD

Executive Director of ACERC

Albanian Energy Mix Production and Demand of Electricity Forecast within 2030 - Source ACERC



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Thank You for Your Attention!

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