



**HAVE PATIENCE, EVERYTHING IS
DIFFICULT IN THE BEGINNING.**

MILLIONAIRE'S SAYINGS

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GLOBAL COMMUNITIES
LEARNING TOGETHER

Partnership and Change

Commercial and regulatory aspects of photovoltaics for self-consumption in Albania

Dr Lorenc Gordani
B2B meeting

Tuesday, 23 November 2021
Tirana Business University (TBU)

ATTY. Lorenc Gordani, PHD | ENERGY LAWYER AND PEDAGOGUE

Summary Presentation

Atty. Lorenc Gordani, PhD

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Adviser in Energy Policy & Law, Regulation and Infrastructure in Albania Energy Market

The leading professional activities include academic teaching, applied research, strategic consulting, and institutional capacity building.

His work focuses on the EU legal framework in Albania and the public policies offered to industry and interest groups, international institutions and public authorities.

His activities are mainly focused on promoting issues related to sustainable growth in the Albanian energy market, within the framework of regional integration of the Western Balkan countries, as part of the EU integration process.

You can also find more at: adviser.albaniaenergy.org



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1.

Presentation of the photovoltaic issues in the framework of the general developments

Let's start with an introductory set of slides about the technical potential and favourable legal framework

Average annual radiation (kWh/m², territorial distribution of sunny hours)

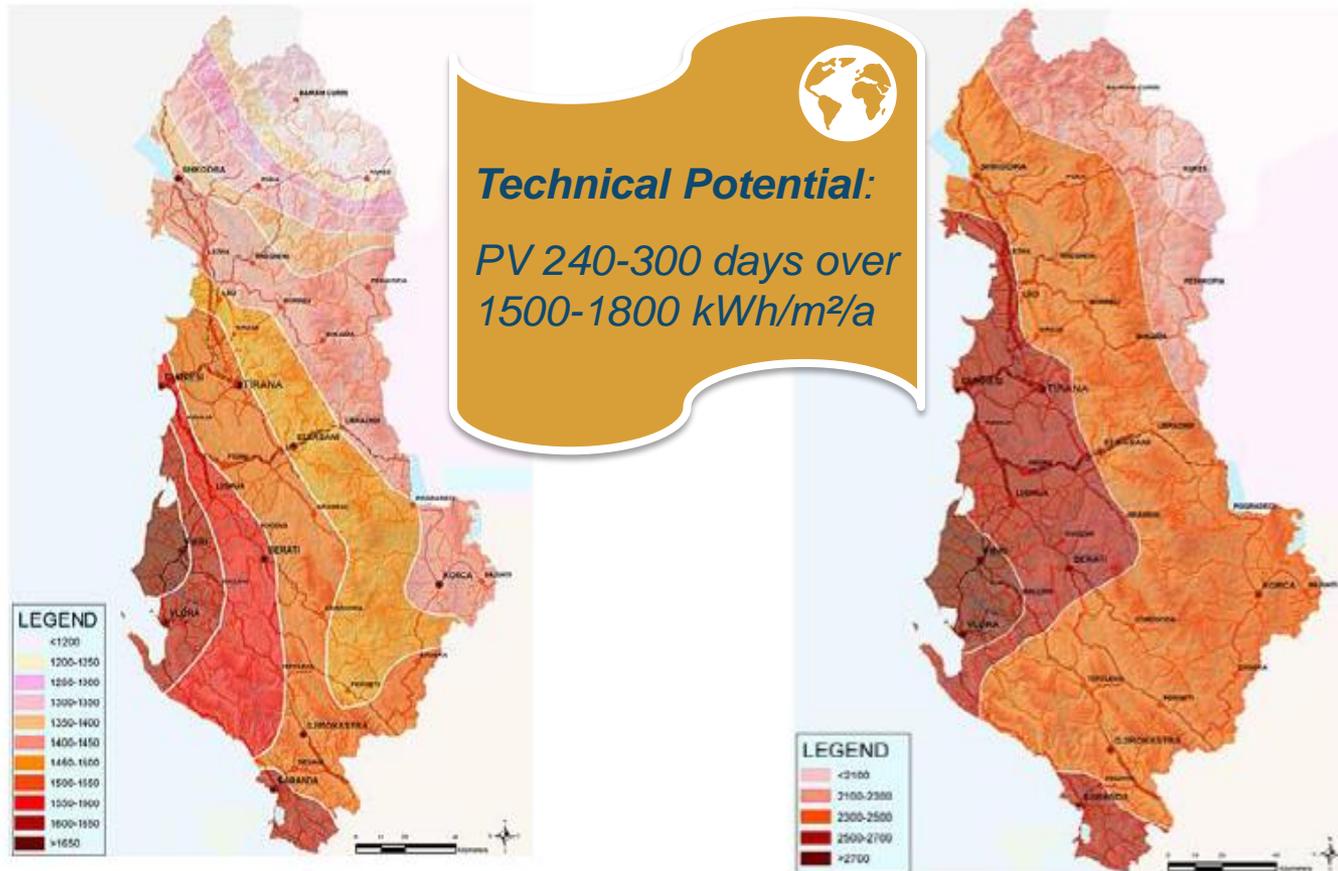
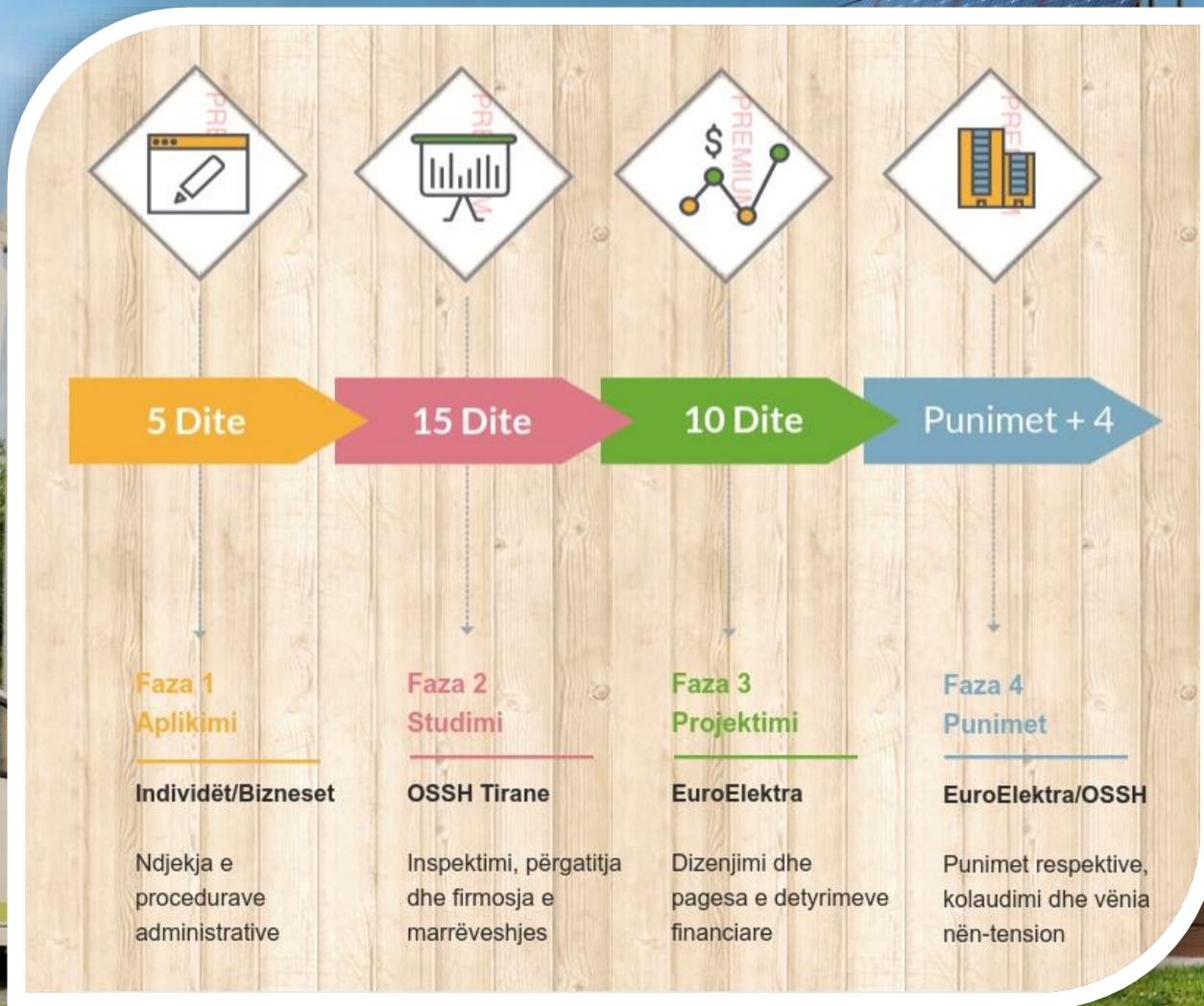


Figure 3. [1] Average Annual Radiation (kwh/m²), [2] Territorial Distribution of Sunny Hours.

Small Distributed Renewable Energy Projects (in Net-Metering)



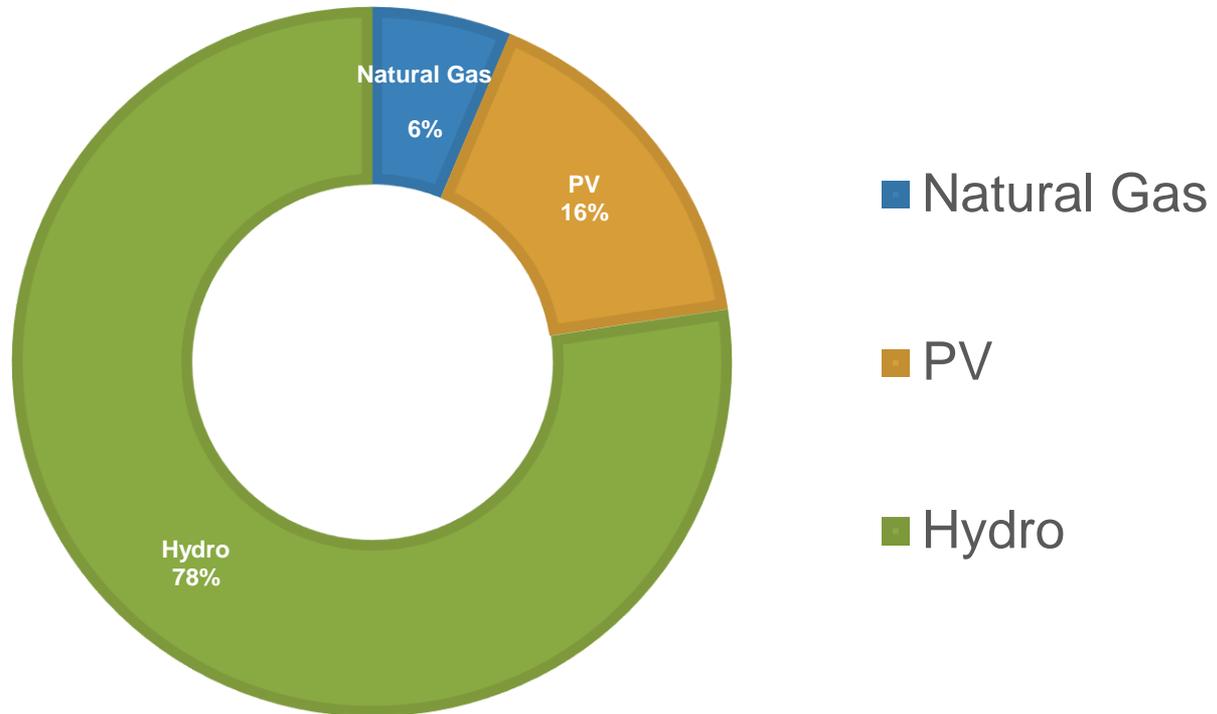


The most pressing issues about the future development of the alternative renewable in Albania, and in the same time the aim and the objectives of this activity, become the understanding how to complete the gap of Distributed Renewable Energy (DER) sources up to 500 kWp deployment, in particular addressing the issues of their remuneration, for boosting the private companies business plans without putting the distribution grid operator OSHEE into financial difficulty

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Strategy: A more balanced mix of energy, sustainability and liberalization

Electricity Forecast Production until 2030



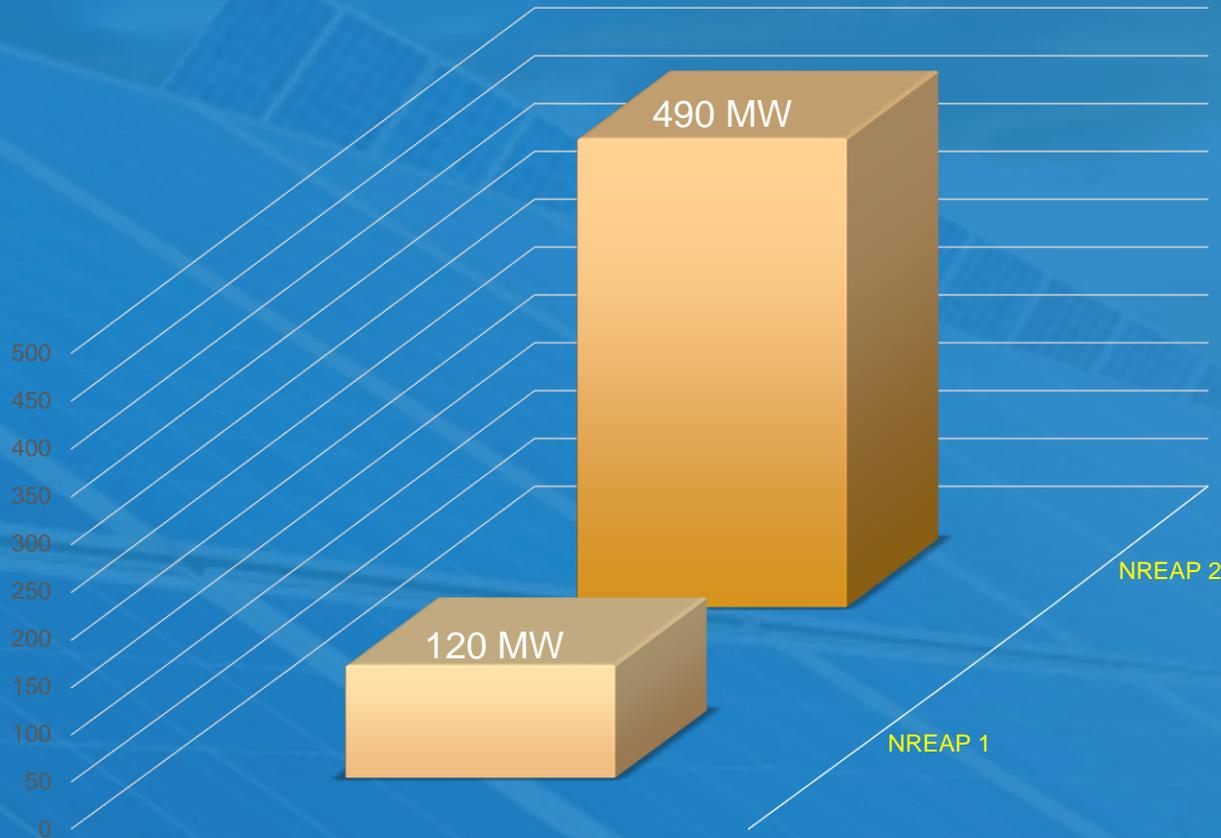


A specific variable to investigate regard sustainability. A game of change came with approving of the new RES law of the second generation in 2017. On regard, the sustainability component, the latest NREAP 2019-2020 confirms that renewable investments will continue to rely on incentives, fiscal facilities, and other supports.

Albania towards Energy Transition

➔ Expanding the RES-E / PV

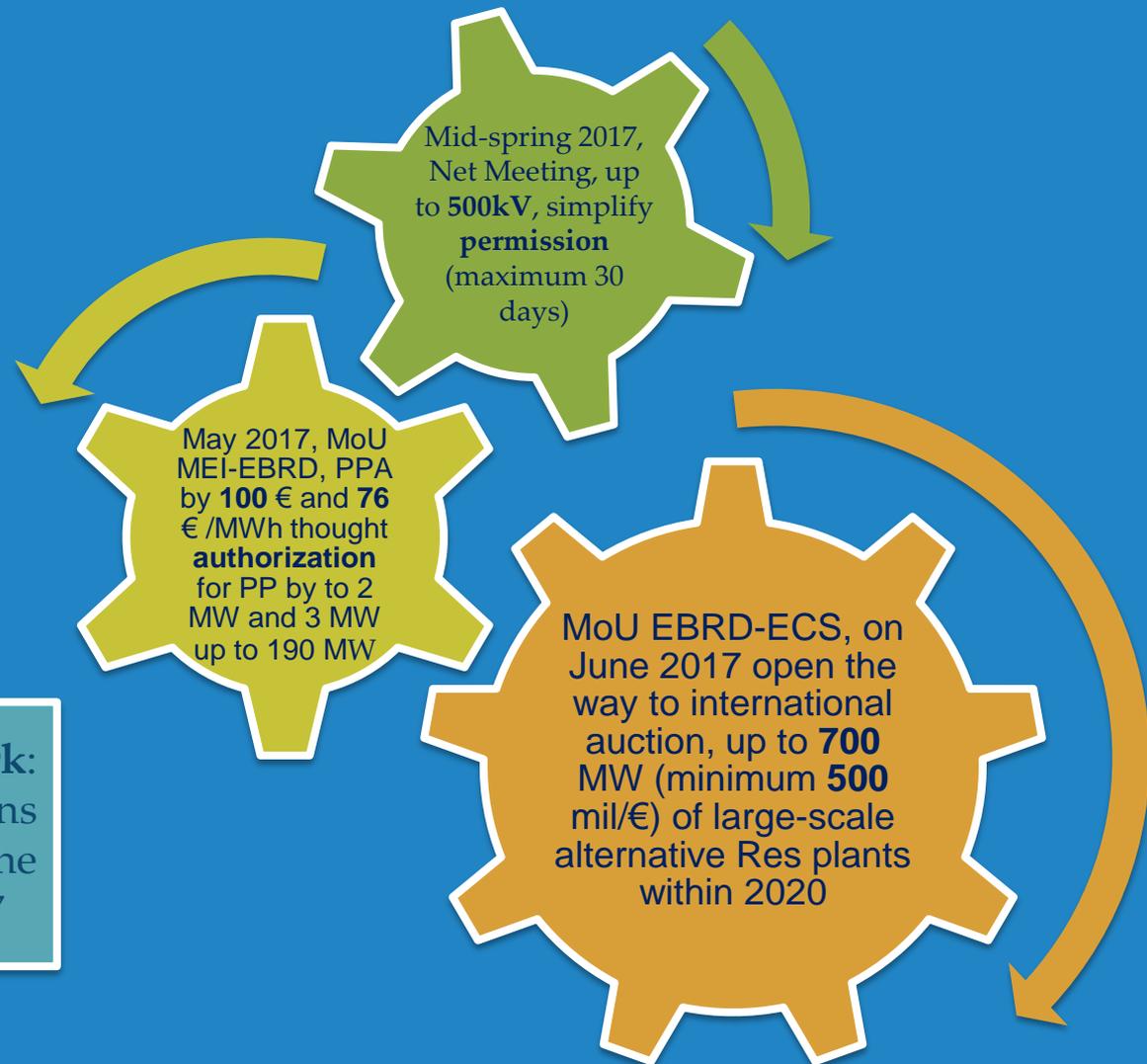
Photovoltaic (PV) from 120 MW to 490 MW



Source: National Consolidated Action Plan on Renewable Energy Sources, 2019–2020

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Alternative RES Deployment Revolutions Era in Albania



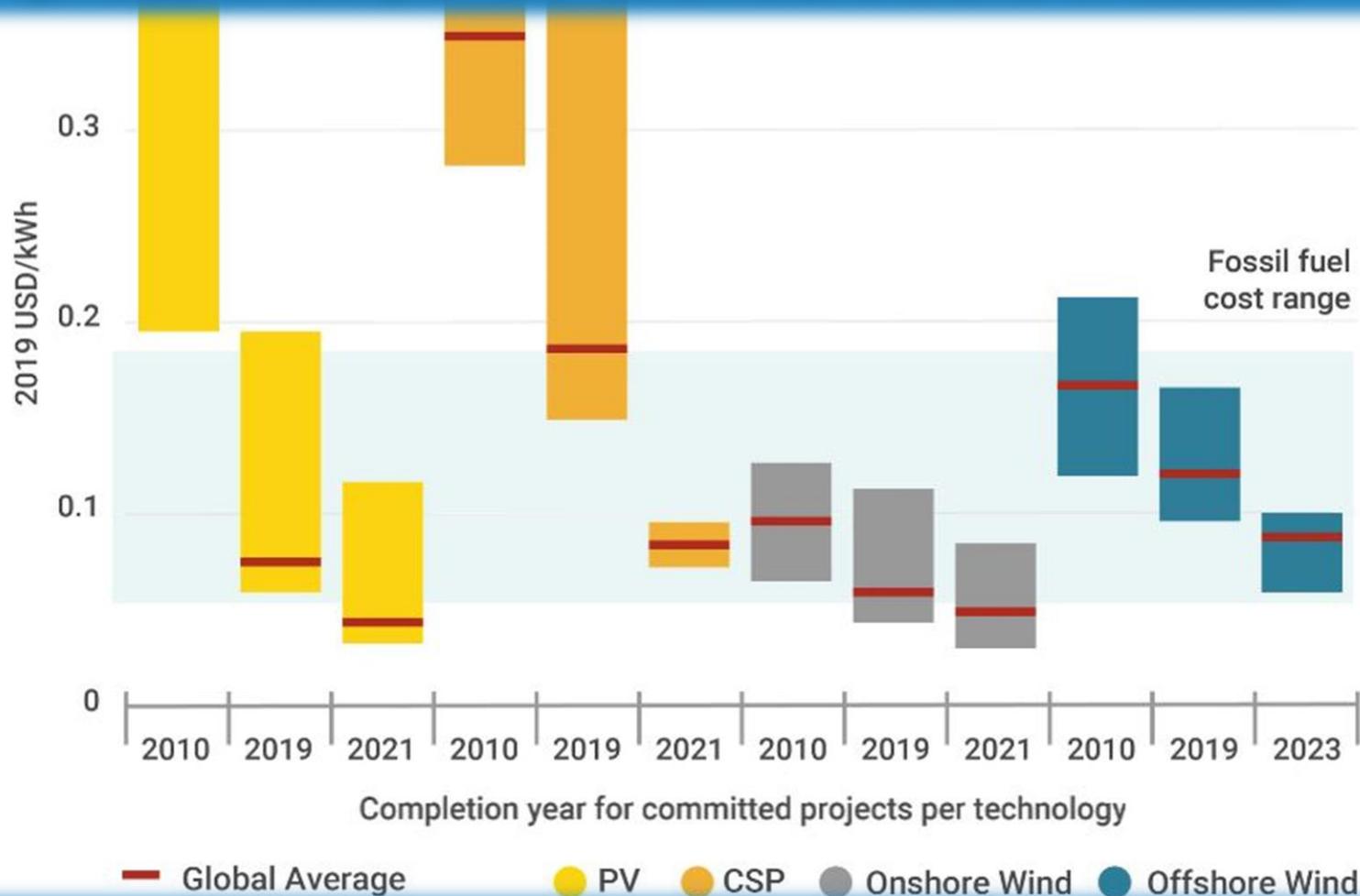
Legal Framework:
Favorable provisions introduced with the new RES Law 7/2017

2.

Analysis of specific deployment issues of distributed photovoltaic

Now let us go further with the core of this presentation

Recent auctions results and record low auction prices underpin the downward trend in costs



Record Low Prices in 2020: Albania 24,98 Euro/MWh

Ecuria e NECP-ve ne 6 vendet e Komunitetit te Energjisë te Ballkanit Perëndimore

State of National Energy and Climate Action Plans preparation

	Legal basis adopted	Working group operational	Modelling capacity exists	Policy section (A) drafted	Analytical section (B) drafted	Submitted to the Secretariat for peer review	Final version submitted to the Secretariat
							
Albania	●	●	●	●	●	●	●
Bosnia and Herzegovina	●	●	●	●	●	●	●
Kosovo	●	●	●	●	●	●	●
Montenegro	●	●	●	●	●	●	●
North Macedonia	●	●	●	●	●	●	●
Serbia	●	●	●	●	●	●	●

● Finished
 ● Started
 ● Planned

Source: compiled by the Energy Community Secretariat.

EFICIENCES SE ENERGJISË

3.

Analyse results of the
issues and their solution
identified

Now let us go to the conclusions and recommendations
of this presentation

The proposed solution of the commercial regulatory issues in DER

Legal and Regulatory Framework

- The build a stable, transparent and simple legal and regulatory framework that allows all final consumers to expand, store and sell their own electricity.

Grid Access

- The public company will have to remove any technical barriers to access in the grid to self-consumer installations, including those for energy storage in the network (energy storages) through transparent and comprehensive rules.

Active Participation in the Market

- Promoting the active participation of self-renewable customers in the electricity market, including energy purchase agreements, the possibility of energy supply and exchange with other customers (peers to peer trading).

Compensation Entitled for Prosumers

- Self-consumers should be entitled to compensation, which reflects the market value of this electricity and which should take into account the long-term value for the grid, of the environment and the society.

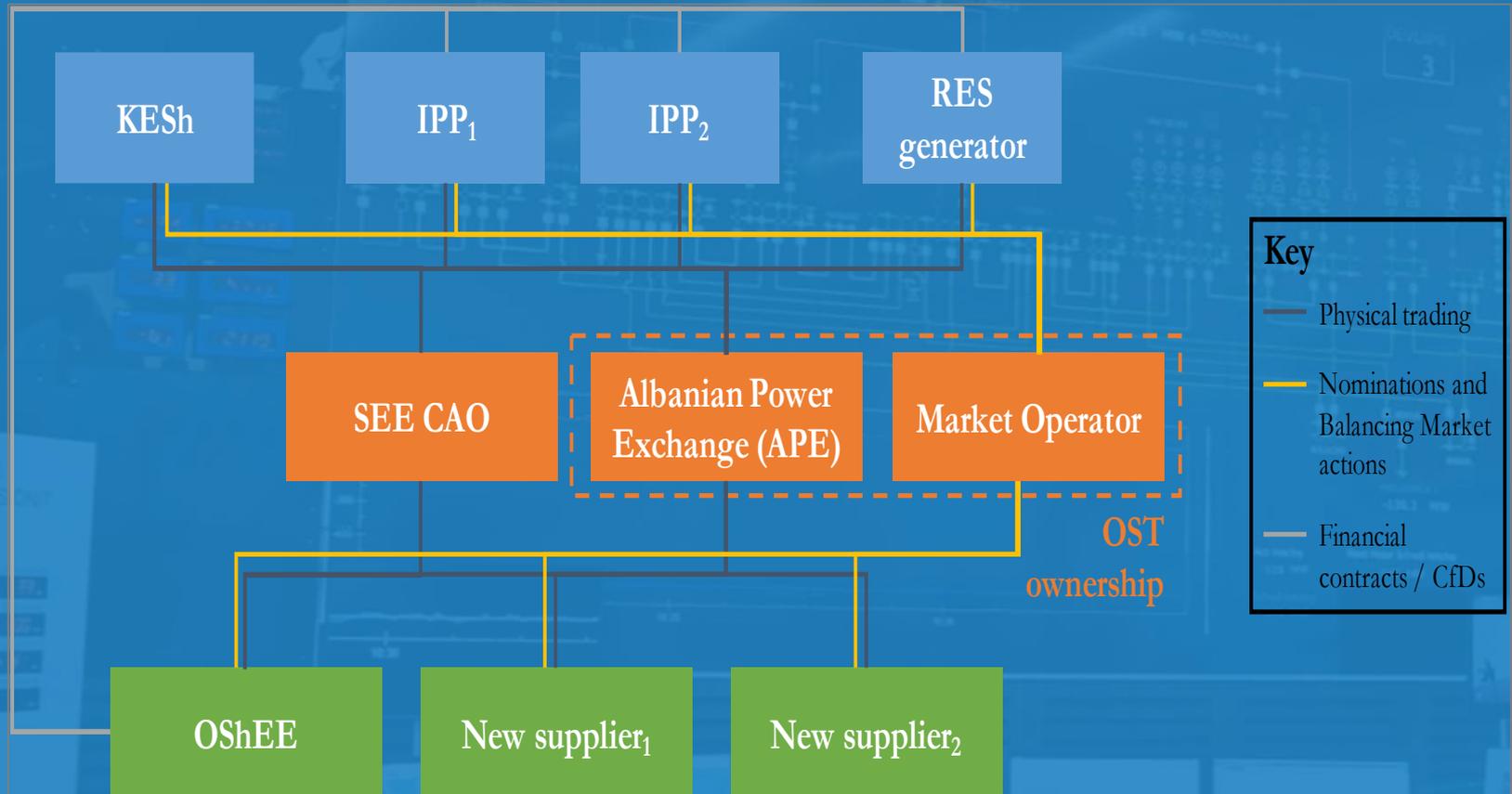
The current state of the Albanian energy market and its future options

- ▶ **Networking capacities from SEE CAO**
- ▶ **Power Market**
- Day - Head Power Exchange (APEX)
- Intraday balancing market
- Partnering with Kosovo in the first part of 2020 =>
- Partnering with Greece or
- PXs SEE or
- PXs 3WB + Italy (AIMS)

The **market model** and **rules** determine the transition of energy through an **organised market**:

- **Large consumers** account for about **40%** of consumption;
- Acquisition of power by public companies in the free market of their **losses** (about **22%**);
- **Household customers**, around **38%**, with regulated tariffs in the cost-reflective methodology.

Albanian Electricity Market Structure implementation along 2020



Source: National Energy Strategy for Albania by 2030



Thanks!

Any questions?

You can contact me at :

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This portal is based on a long-term strategic projection, aiming to use technology as a carrier to catalyse opportunities and shorten distances between interested parties.



**YOUR DREAM DOESN'T BECOME
REALITY THROUGH MAGIC.
IT TAKES SWEAT, DETERMINATION
AND HARD WORK.**

MILLIONAIRE'S SAYINGS

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