

WESTERN BALKANS: NARROWING THE GAP TO EU ELECTRICITY POLICY

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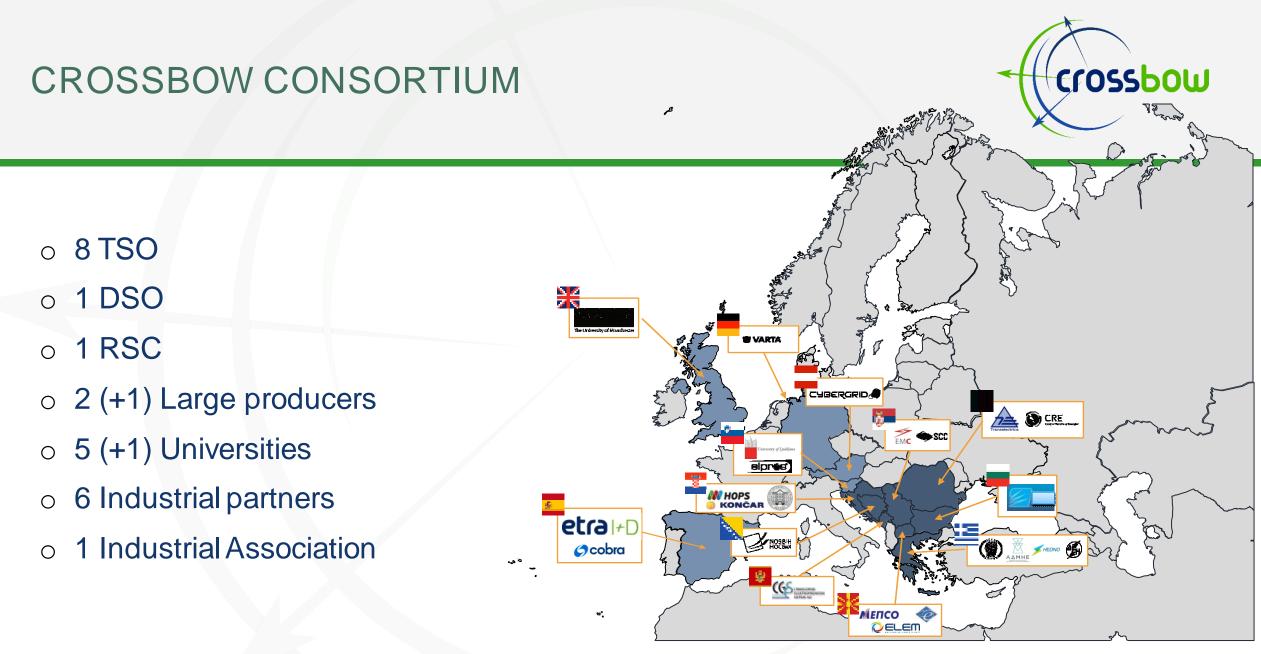
EU ENERGY POLICY VS. WB REALITY



- Energy Union -> Clean Energy for all Europeans Legislative Package -> Green Deal -> EnC Legislation
- Energy security, solidarity and trust
- A fully integrated European energy market
- Energy efficiency contributing to moderation of demand
- Decarbonising the economy
- Research, Innovation and Competitiveness

o Obstacles in implementation in WB

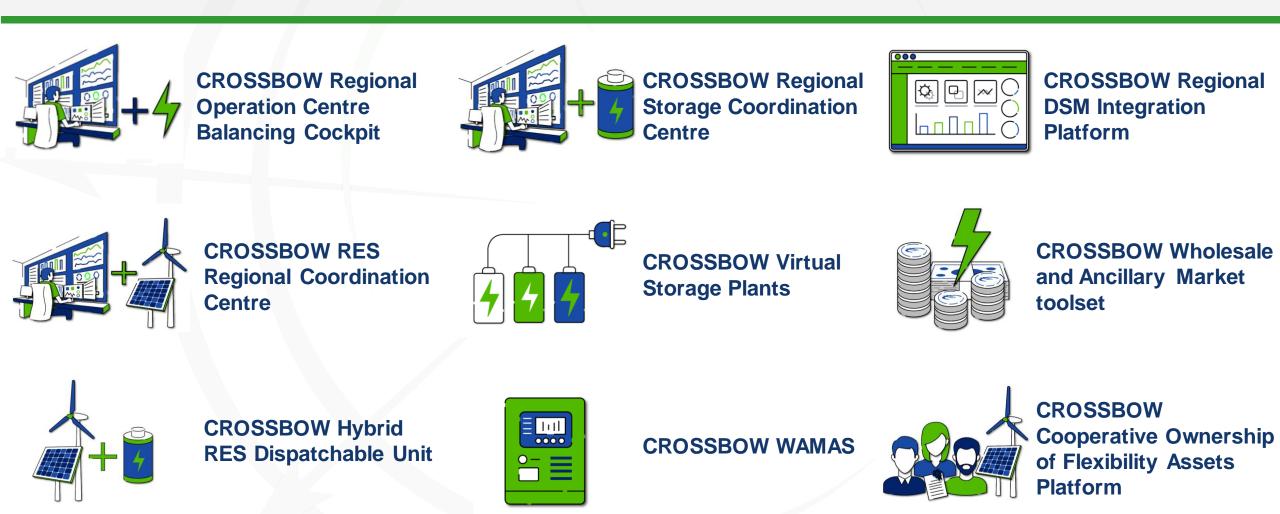
- Fragmented markets dominated by incumbent generation companies
- Low competition and market liquidity
- Depressed regulated electricity prices
- Missing horizontal harmonization (VAT, public procurement law)
- Politically driven decisions
- Coal and lignite subsidies
- RES support schemes (FIT & some FIP)



CROSSBOW Project has recived funding from EU Horizon 2020 reserarch and inovation programme under grant n° 773430 ORIGIANL Slide prepared by: Manuel Serrano Matoses & ANTONIO MARQUÉS, ETRA

CROSSBOW PRODUCTS





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CROSSBOW PROJECT OFFERS A SOLUTION



CROSSBOW STRATEGIC GOAL: CROSSBOW will propose the shared use of resources at regional/transnational level to foster cross-border management of variable renewable energies and storage units, enabling a higher penetration of clean energies whilst reducing network operational costs and improving economic benefits of RES and storage units

CROSSBOW OFFERED SOLUTION: Implement CROSSBOW products that would provide business opportunities to RES, storage units and DSM resources to compete in providing sophisticated close to real-time market services, instead of playing passive roles and waiting for subsidies in the form of FIT or FIP schemes

BASIS FOR IMPLEMENTATION: FORWARD MARKET - CAPACITY ALLOCATION



Participation in SEE CAO

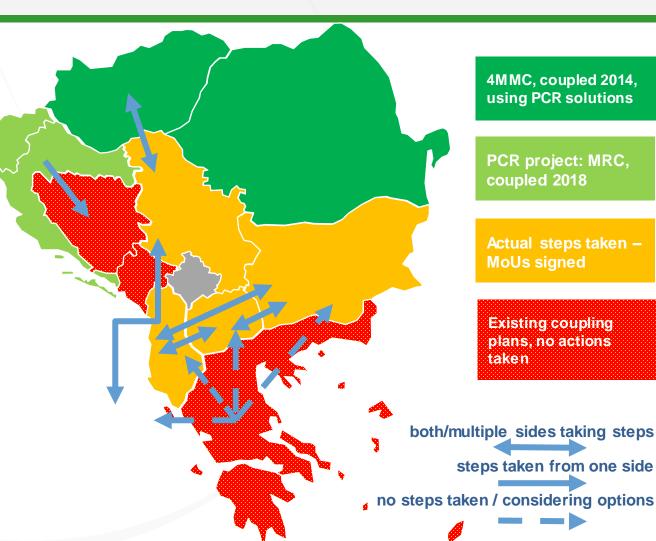
- TSOs from ME, BiH, HR, AL, NMK, GR & TR participate in SEE CAO
- Early implementation of FCA regulation in SEE has been conducted by Harmonised Allocation Rules in SEE CAO in 2017 for yearly and monthly auctions for 2018
- The next major challenge in SEE-Implementation of provision from CACM regarding implicit short-term allocation and introduction of Financial Transmission Rights (FTRs) in forward capacity allocation. It depends on the introduction of market coupling

- Legal obstacles for TSO participation in Auction Office
- BiH: NOSBiH participates in SEE CAO
- **RS:** No legal obstacles for Serbian TSO
- *ME:* Member since 2015
- BG: JAO is chosen capacity auction agent. Planned for 2019.
- HR: Participates in SEE CAO
- **RO:** Will join JAO according to SAP document
- **GR:** Participates in SEE CAO
- NMK: Founder and partner in SEE CAO

BASIS FOR IMPLEMENTATION: D-1 MARKET COUPLING



- The Price Coupling of Regions (PCR) is a key project contributing to European market integration and harmonisation; as such BSP Southpool, CROPEX, IBEX, SEEPEX, Opcom and HEnEx are all service users or members of PCR (algorithm)
- Slovenia and Croatia are already coupled within MRC; Romania is coupled within 4MMC
- Other regional or bilateral coupling projects are either planned, in negotiation or moving forward (MoUs)



BASIS FOR IMPLEMENTATION: MARKET COUPLING OBSTACLES



• VAT and Public procurement harmonisation

- EnC Guidelines for amendments to Value Added Tax (VAT) and Public Procurement Law to facilitate transposition of EU legislation in WB6
- Harmonization of VAT rules in WB6 is a precondition to enable real market coupling and functional BMs
- Amendments introduced in RS and partially in NMK legislation, while Montenegro has not yet begun with required adjustments; BiH is preparing new VAT Law
- The national legislation on public procurement in the WB6 countries is in line with EU legislation, but the practical implementation remains a challenge
- The major obstacles in implementation of public procurement rules is the lack of market competition



a) VAT harmonization

Not harmonized

Legislation partially harmonized

Legislation EU compliant + implementation problems

Legislation EU compliant + minor implementation problems

Harmonized

b) Public procurement harmonization

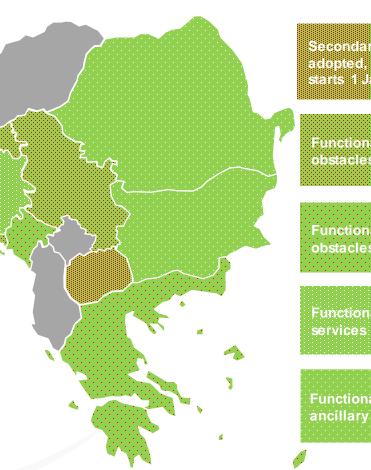
Source: CROSSBOW D1.1, WP1, 2018

BASE FOR IMPLEMENTATION: BALANCING MARKET – CAPACITY/ENERGY PROCUREMENT



Current procurement of balancing services

- BiH: Functional BM with 5 BSPs, some legal provisions in the primary legislation are missing, secondary legislation enables nondiscriminatory procurement of balancing services
- **ME:** BM with 2 BSPs (incumbent generation and consumer)
- NMK: Secondary legislation and electronic platform in dry-run.
 Operation starts 1 January 2020. 3 4 BSPs expected to prequality.
- RS: BM with one domestic BSP regulated price for balancing reserve capacity, market rules give preferences to BSPs that are obliged to offer balancing services (EPS)
- BG: BM with price cap for shortage set to 2.5 times of IBEX baseload DAM price and zero price for surplus
- GR: Implementation of Information System for BM according to NCs
- HR: BM with one domestic BSP regulated prices for some balancing services, prices of balancing energy linked to DAM, lack of data from DSO hindering reserve procurement
- RO: Highly functional BM for balancing energy with a large number of participants. For example, in the beginning of October 2018, there were 67 licensed BSPs
 Source: CROSSBOW D10.1, WP10, 2019



Secondary legislation adopted, competitive BM starts 1 Jan 2020

Functional BM, no legal obstacles, no competition

Functional BM, no legal obstacles, low competition

Functional BM for balancing services

Functional BM (energy) + ancillary market (capacity)

CONCLUSIONS



• RES, Storage units and DSM should be given market opportunities to prove their cost-effectiveness

 They can provide effective services in close-to-real-time markets, i.e. balancing energy market, when they have rather accurate forecasts for their production.

• Market opportunities for RES and flexibility assets can allow for:

- Attractiveness of RES and flexibility assets' investments;
- Increased participation and competition in the markets;
- Local markets' liquidity; and
- Final integration into the Internal EU Energy Market.
- The critical role is seen in participation in organized balancing markets:
- Not a real choice of BSPs;
- New technologies can play a significant role in increasing power system flexibility.

CONCLUSIONS (2)



• Forward market timeframe

 Most of the volumes in WB electricity markets are still traded at the physical bilateral contract forward markets

Day-ahead and Intraday market timeframe

- RS is a good example with DAM already in operation
- NMK, ME, BiH and AL are advancing towards functional national DAMs and their coupling with the neighbouring markets
- EU countries from SEE (Romania, Bulgaria, Croatia, and Slovenia) recently entered into IDM coupling within LIP15

o Balancing market timeframe

- Most of the CROSSBOW Project participating countries have taken steps to establish national BMs and to participate in EU projects supporting the implementation of the balancing NCs
- Nevertheless, a uniform implementation of Market and System Operation NCs across all countries is a
 prerequisite for the establishment of a functional regional BM

crossbow

CROSS BOrder management of variable renew able energies and storage units enabling a transnational Wholesale market

THANK YOU

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For more information visit: crossbowproject.eu

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