

TECHNICAL INFORMATION

Dear Participants!

- Please turn off your camera and microphone during the presentations.
- Please use the Questions/Chat box to ask questions to the speakers.
- During the Q&A you can also ask questions by turning on your camera.
- Presentations will be available after the workshop at the event website: <https://rekk.hu/events>
- Technical support by email: katalin.varga@rekk.hu

**Innovative solutions in
renewable energy auction
designs and their
implementation possibilities
in the ENC contracting parties**

**30 January 2024
9:00 – 12:00 CET**

Project team



Alfa Diallo

Senior Research Associate,
Project leader

alfa.diallo@rekk.hu



Mária Bartek-Lesi

Senior Research
Associate



Bettina Dézsi

Research Associate



László Szabó

Director of REKK



Katalin Varga

Program Director
of REKK



András Vékony

Senior Research
Associate

Related experience:

- [AURES II](#) (2019-2022)
 - Project leader of WP2 (Case studies)
 - Contributor of WP5 (cross-border auctions) and WP8 (Modelling)
- [Evaluation of European auctions for DG Energy](#) (2021-2022)
 - In consortium with MRC
- Recommendations for implementing auctions in Armenia (2022-2023)

Project overview

- Main objective:

Providing recommendations on the implementation and/or improvement of auction design for Energy Community member states, considering European best practices

- I. Current state of government auctions in EU member states and ENC contracting parties – best practices and challenges** (12.12.2023)
- II. Innovative solutions in renewable energy auctions** (30.01.2024)
- III. Recommendations on the implementation and efficient operation of auctions – final report** (end of February/Beginning of March)

The final report will summarize the main findings of the workshops and our main recommendations in 30 pages . The report will be publicly available on rekk.hu, and will be also sent to all participants of the 1st and 2nd workshop.

The project is financed by the **European Climate Foundation (ECF)**



Conclusions – Auctions within the EU

Auction design is **heterogenous** across EU member states

Since 2020 number of **undersubscribed** auction rounds significantly increased

Some countries experiments with **innovative auction design**

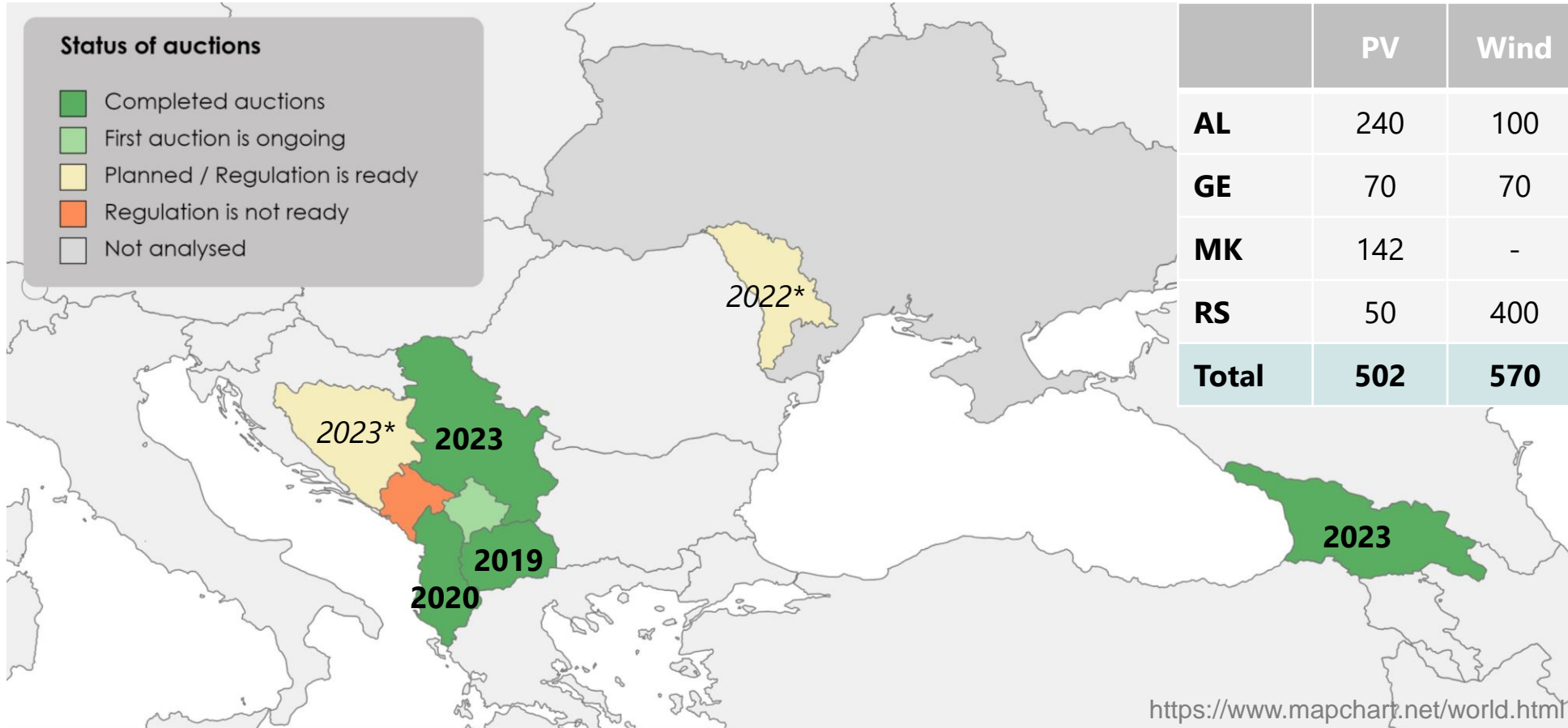
Since 2020 in the majority of EU countries average **strike price increased**

PPAs gaining an important role as botch **competitors and supplements** to governmental schemes

Some countries considering the **phase out of auctions** for mature technologies

RES auction overview in the Energy Community

Year of the first auction



Total volumes – completed auctions (MW)

	PV	Wind	Other	Total	Nr. of rounds
AL	240	100	-	340	3
GE	70	70	160	300	1
MK	142	-	-	142	3
RS	50	400	-	450	1
Total	502	570	160	1232	8

Source: REKK data collection

*Alternative formats:

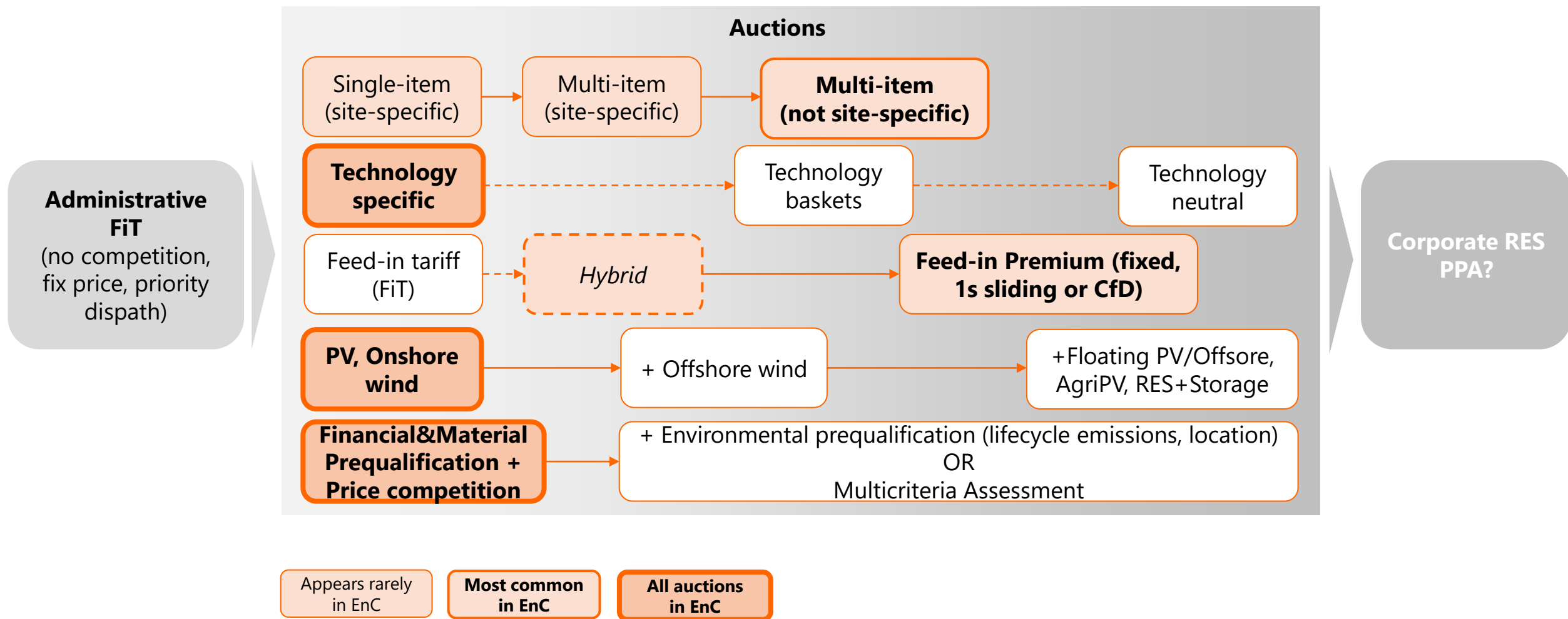
- **MD:** support (FiT) was allocated in a *first come first served* basis
- **BA:** Concession-based scheme

Status of auctions in other countries:

- **KO:** 100 MW PV (in progress) + 150 MW wind (planned in 2024)
- **BA:** Regulation is in place (FiT for small-scale, FiP for large-scale), call is not published yet
- **MD:** Regulation is in place, call is expected in 2024 (60 MW PV, 105 MW wind, 65 MW biogas/biomass)
- **ME:** The intention is declared (2022), regulation is not in place

EnC auctions on the learning curve of RES support schemes

The learning curve of RES support schemes



Innovative design elements within the EU (examples)

Technologies

- **Floating PV** (Portugal, France, Luxembourg)
- **Agrovoltaic PV** (Luxembourg, France)
- PV for **industrial self-consumers** (Luxembourg)
- **Floating wind** (France, Portugal)

Environmental aspect

- **Life-cycle GHG emission** as prequalification criteria (France)
- **Auction targeting GHG reduction** (Netherlands)
- **Multi-criteria auctions** considering environmental aspect (Netherlands, France- offshore wind)

Grid integration

- **Location specific** pricing (Germany)
- **RES + storage auctions** (Spain, Portugal, Hungary, Germany)
- **Multi-criteria auctions** considering grid integration (Netherlands-offshore wind)

High prices

- **Negative bid** solar tender (Portugal)
- **Negative bid** offshore wind tender (Lithuania, Netherlands)
- **Mandatory CfD** (expected, EU-wide)

- Main topic of this workshop
 - What type of innovative measure can be identified within the EU (or outside EU)? What are the best practices?
 - What kind of innovative design elements can be applicable within the ENC contracting parties? What are the barriers and benefits?

Today's agenda

- 9:00 - 9:15 Introduction & Summary of innovative auction measures within the EU
Alfa Diallo, REKK senior research associate and project leader
- 9:15 – 9:40 Targeting GHG reduction instead of renewable deployment, the Dutch SDE++ scheme
András Vékony, REKK senior research associate
- 9:40 – 10:10 Auction design elements focusing on grid integration of renewables - Experiences from all around the world
Bettina Dézsi, REKK research associate
- 10:10 – 10:35 Auctions for renewables with storage, experiences from the EU
Mária Bartek-Lesi, REKK senior research associate
- 10:35 – 11:55 Discussion about the potential application of innovative design elements in auction-based schemes within the ENC region
Moderator: Alfa Diallo, REKK
Speakers:
Magdalena Daskalova, Ministry of Economy, North Macedonia
Ylber Batalli, Chief of Party, Kosovo Energy Sustainability Activity (ESA)
Vasilios Anatolitis, Researcher, Fraunhofer Institute for Systems and Innovation Research
- 11:55 – 12:00 Closing remarks by Alfa Diallo, REKK