



Recent trends in renewable energy development in Croatia and the opportunities for solar PV

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Agenda

- **Why is decarbonization important?**
- **What has Croatia achieved so far?**
- **Future prospects of energy transition and solar PV in Croatia?**

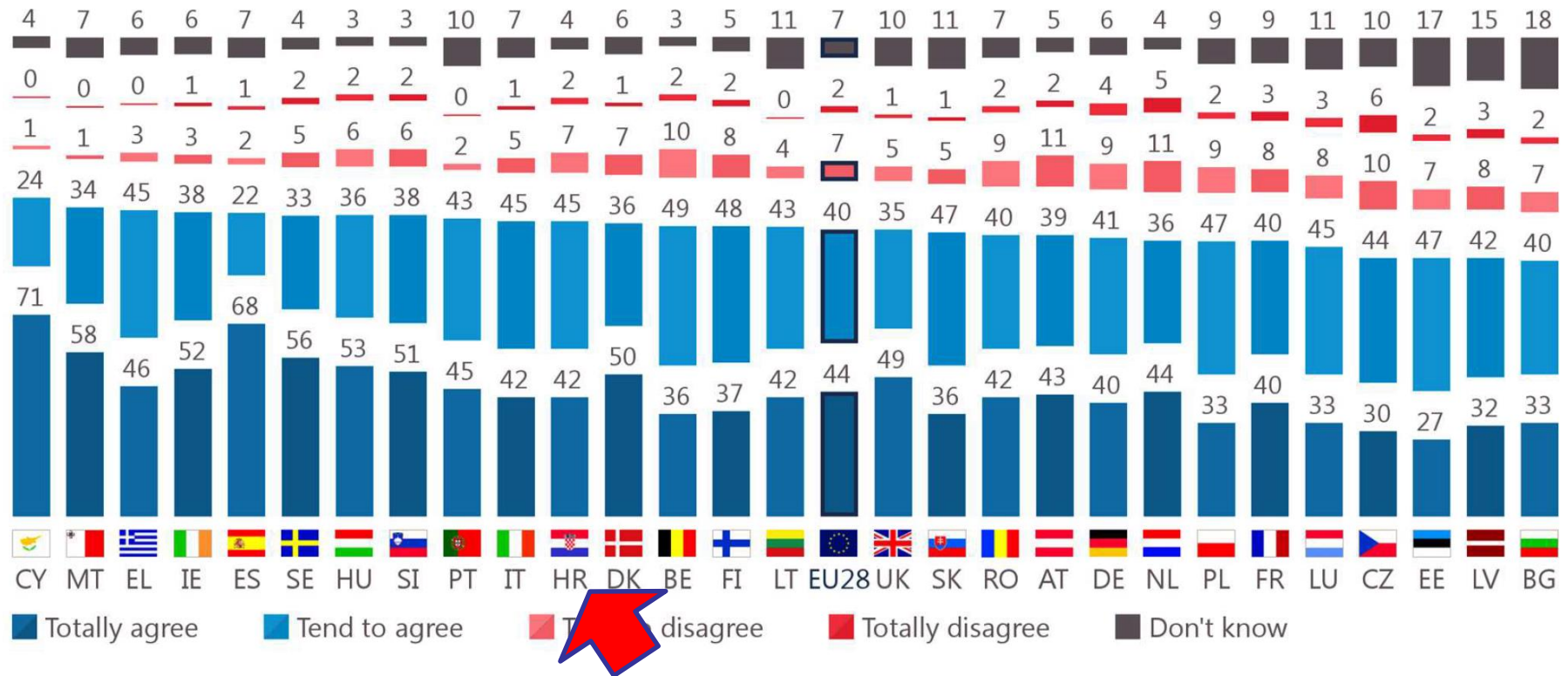
Why is decarbonization important?

- ***Energy security*** (more than 35% of electricity demand in Croatia imported)
- ***Pollution reduction***
- ***Economic growth***
- ***Citizen-oriented energy systems***
- ***Public support!***

Strong public support for clean energy transition in Croatia

QB4.4 To what extent do you agree or disagree with each of the following statements?

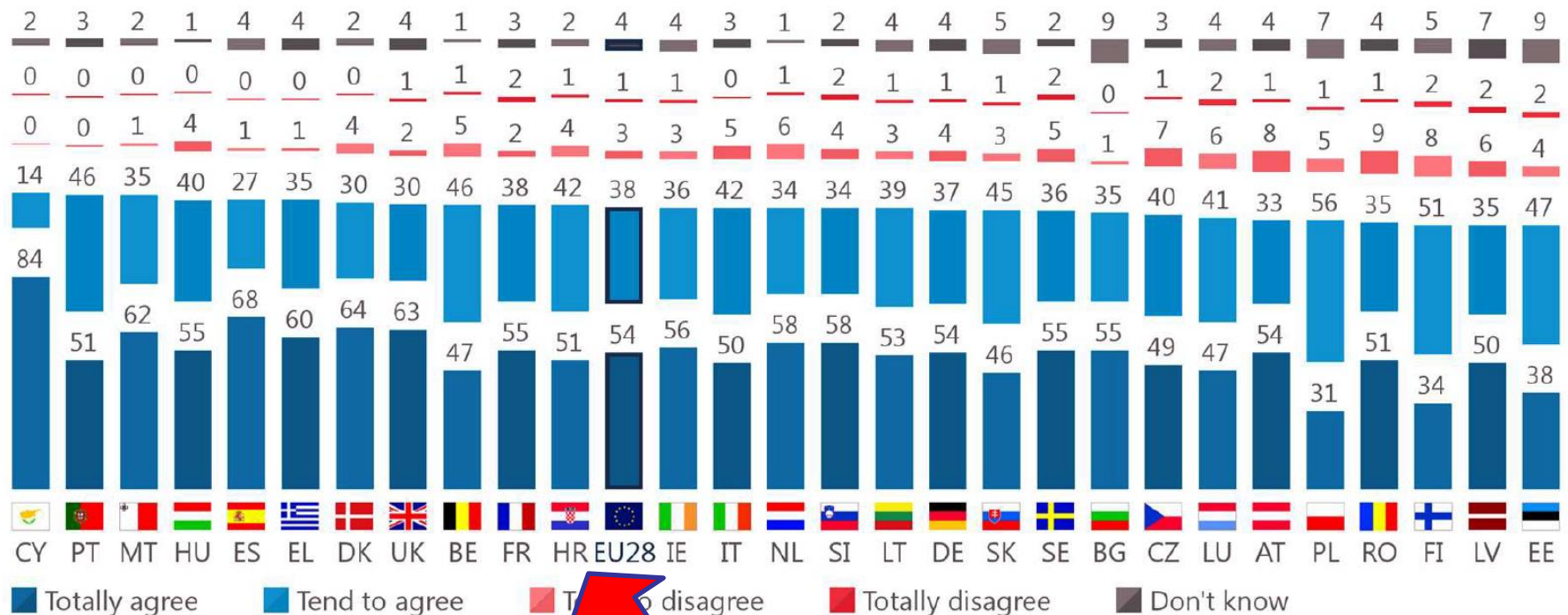
More public financial support should be given to the transition to clean energies even if it means subsidies to fossil fuels should be reduced (%)



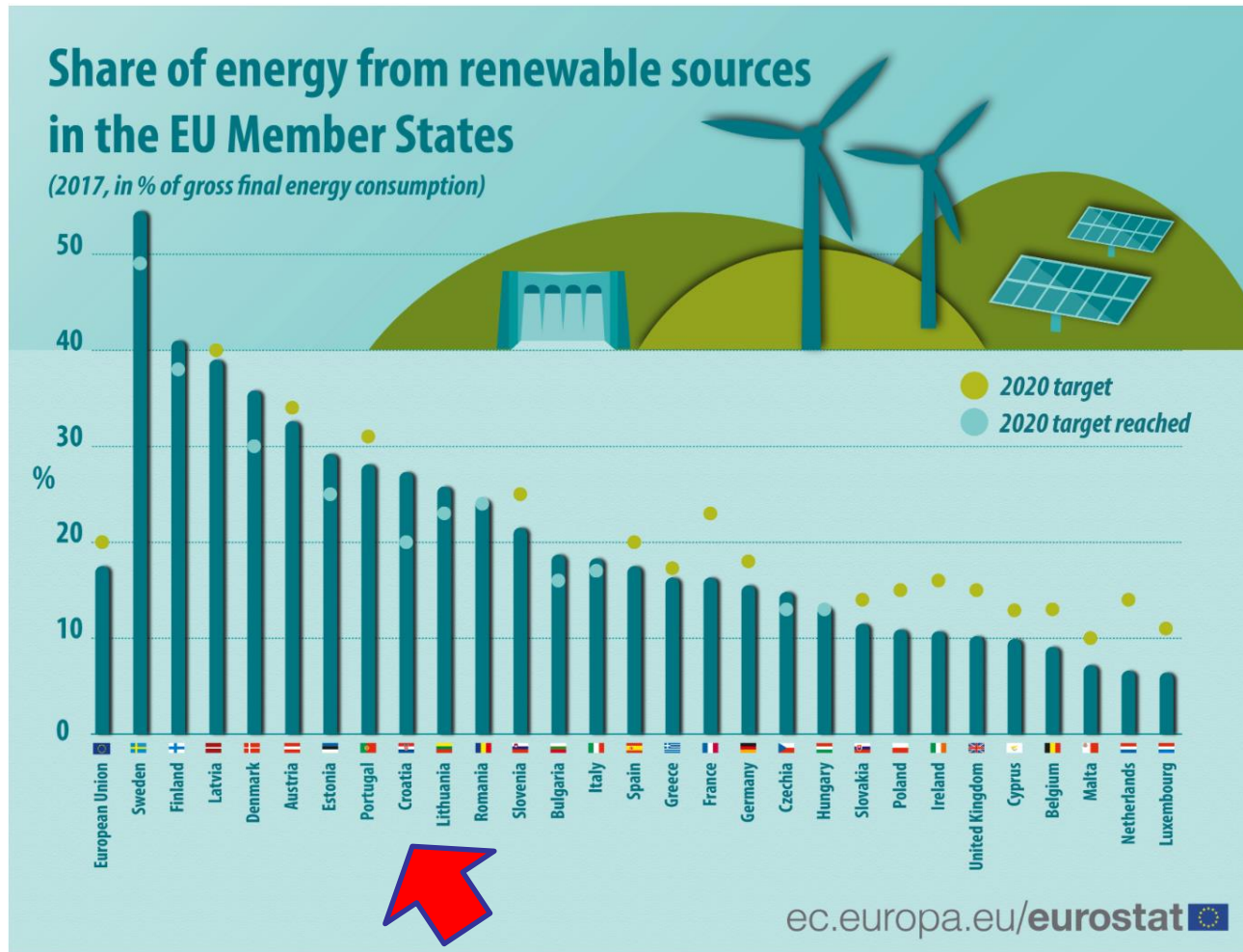
Strong public support for clean energy transition in Croatia

QB9 To what extent do you agree or disagree with the following statement: We should reduce greenhouse gas emissions to a minimum while offsetting the remaining emissions, for instance by increasing forested areas, to make the EU economy climate neutral by 2050.

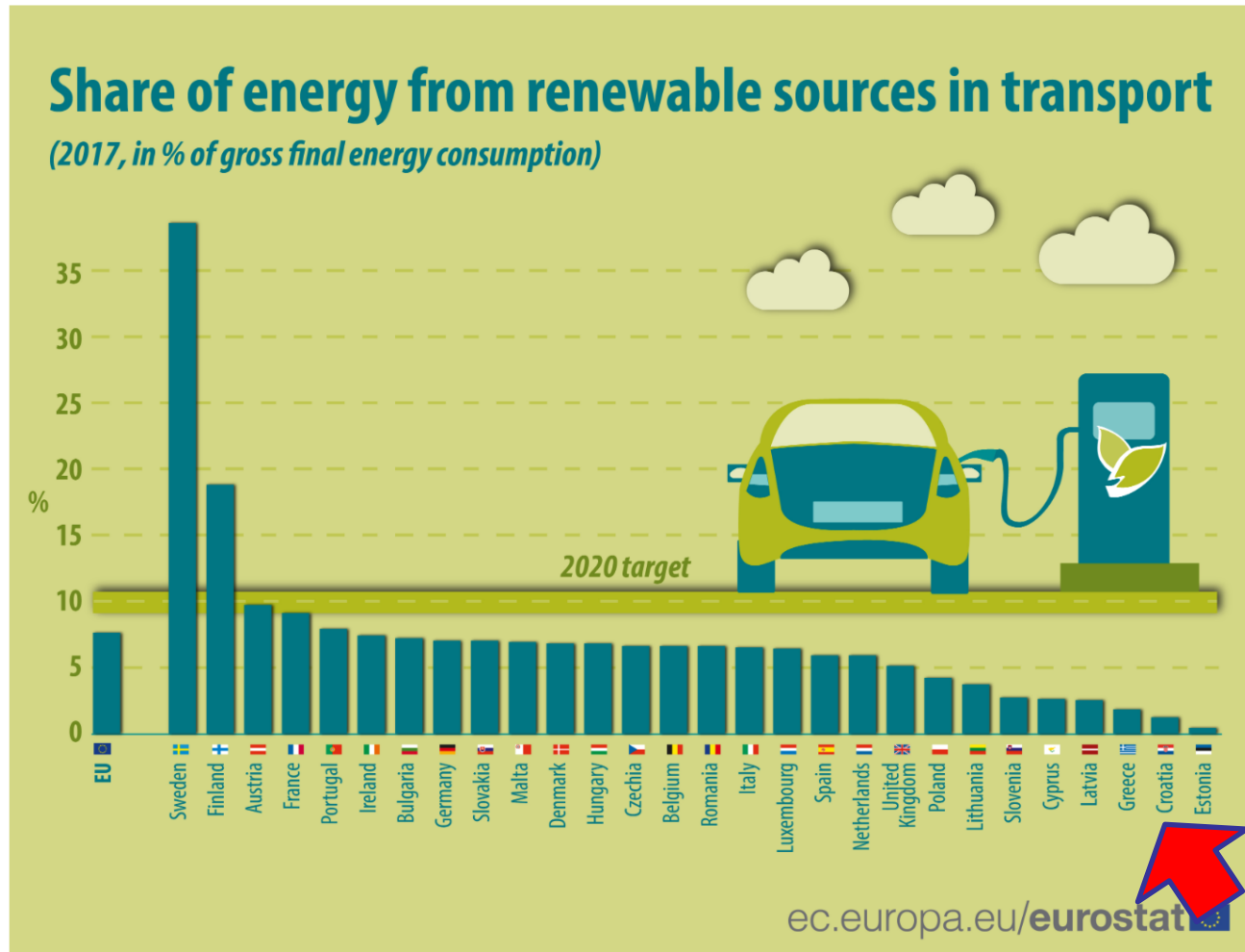
(%)



20% renewable energy target achieved!



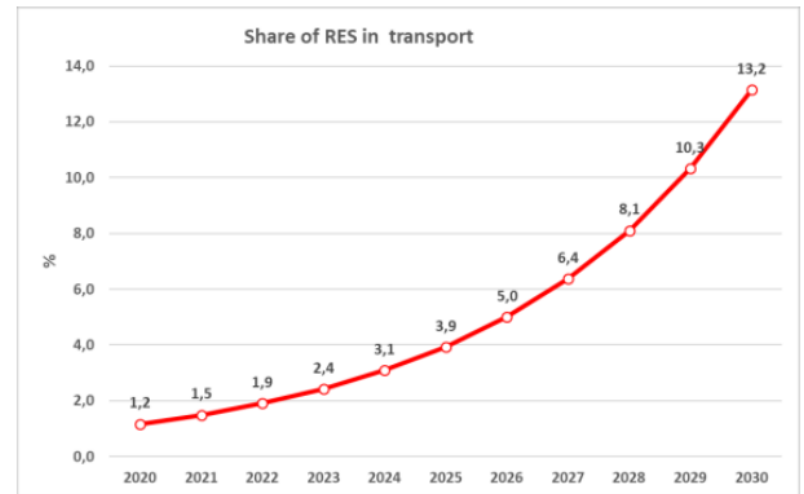
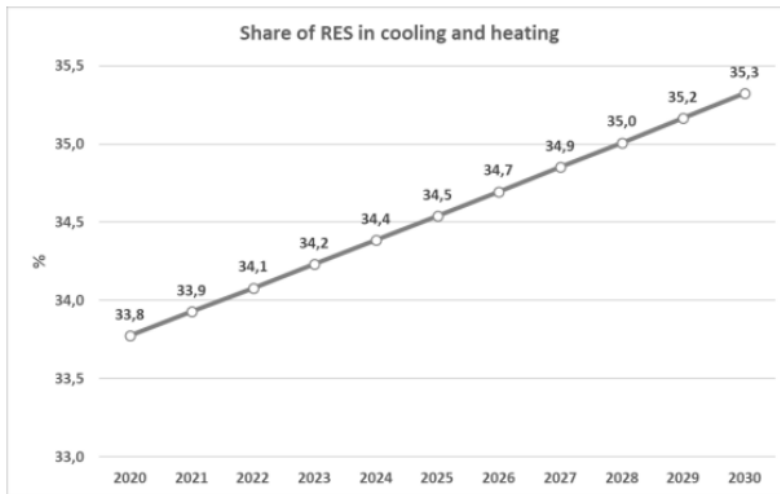
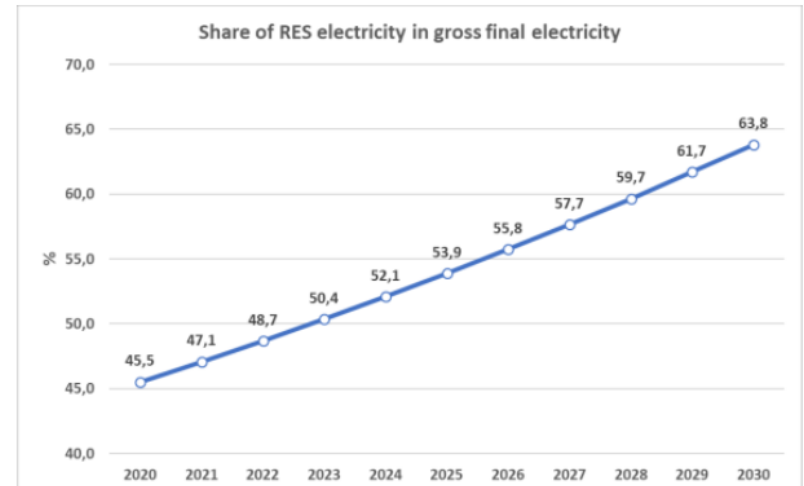
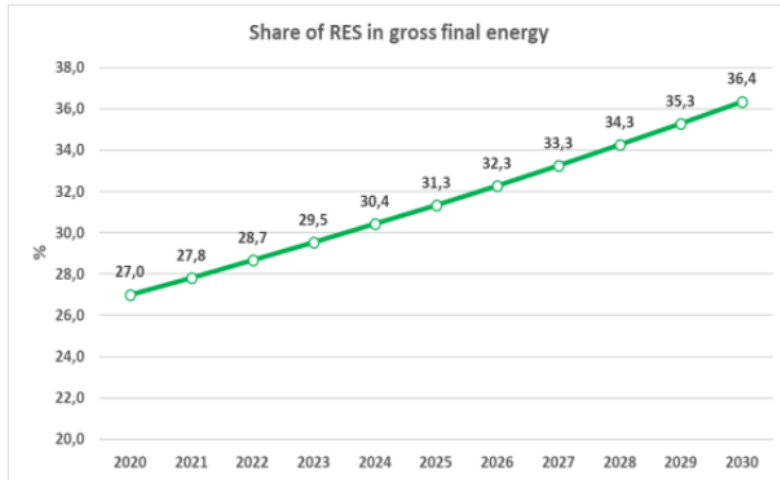
10% target in transport out of reach



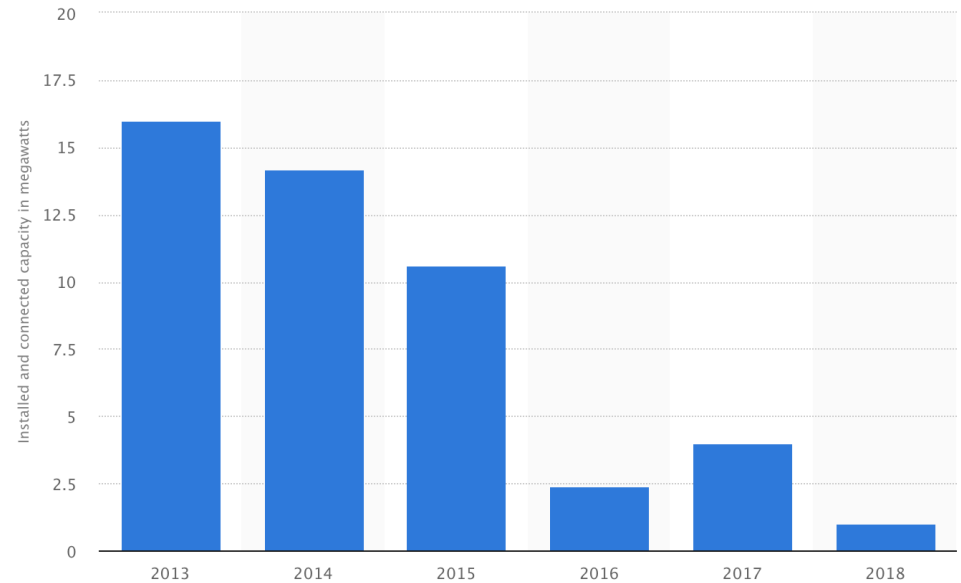
New EU energy and climate package 2030

- **At least 40% cuts in GHG emissions compared to 1990**
- **At least 32% share of renewable energy**
- **At least 32.5% improvement in energy efficiency**

Croatia's national energy and climate plan 2030



Solar PV potential and installed capacity in Croatia



53,466 kW installed by 2019 but the deployment rates have been declining

Solar PV target for 2030: **507 MW**

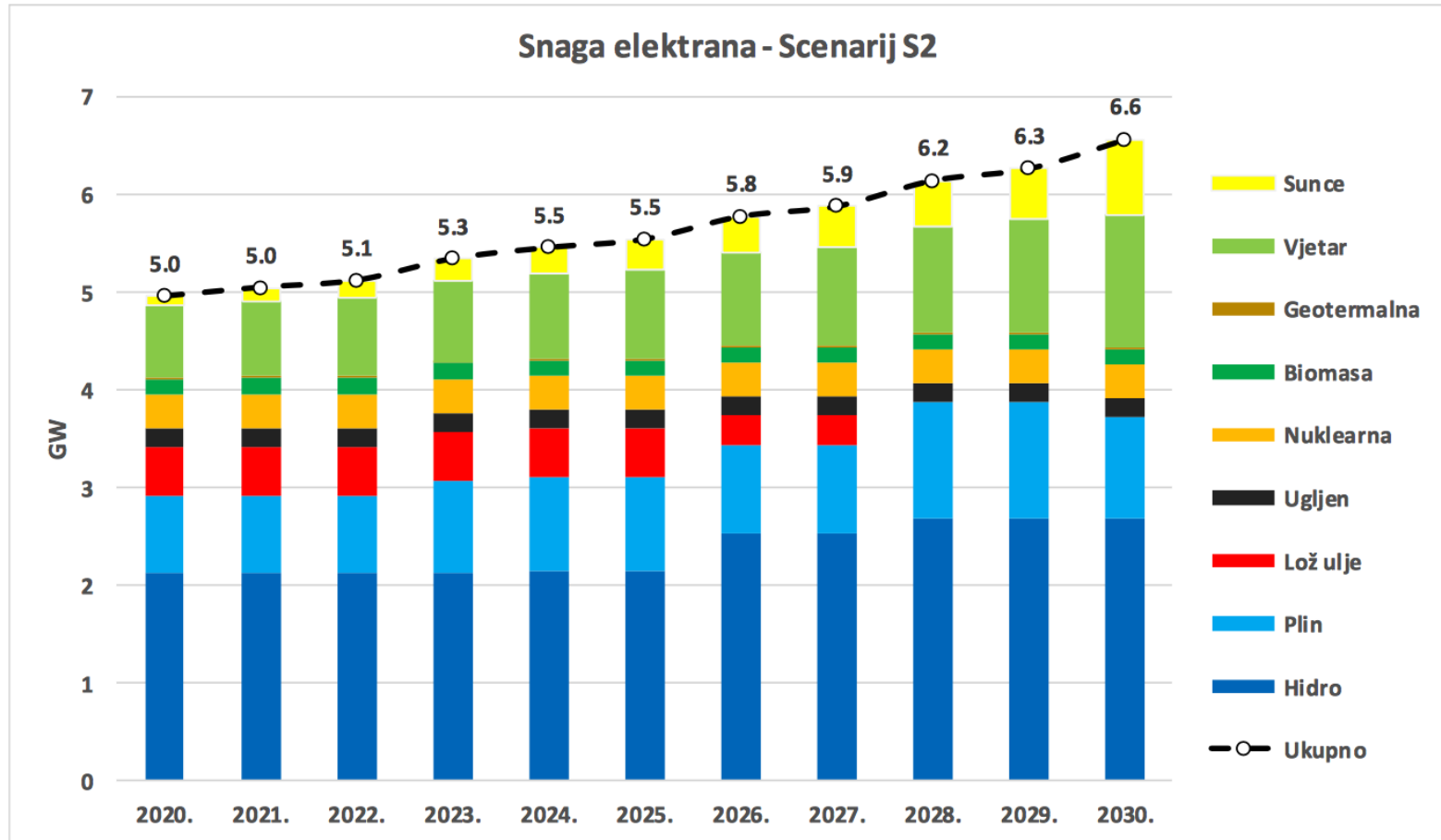


Figure 3-3. Projected capacity of power plants

Framework conditions for solar PV

- **Policy framework**
 - *Net-billing*
 - *Auctions even for small installations?*
 - *Transparent administrative procedures and policy stability are essential*
- **Broader conditions**
 - *Low electricity prices*
- **Financing**
 - *EU Modernization Fund, EU Structural and Investment Funds?*
 - *Crowdfunding and energy cooperatives?*



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ideas into energy.

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