

Technical support to the Energy Community and its Secretariat to assess the candidate Projects of Energy Community Interest in electricity, smart gas grids, hydrogen, electrolysers, and carbon dioxide transport and storage, in line with the EU Regulation 2022/869

- General results for 2030 – 2050, reference scenario -

TEN-E (PECI) Groups meeting – 4th meeting of the “Electricity” Group

19 June 2024

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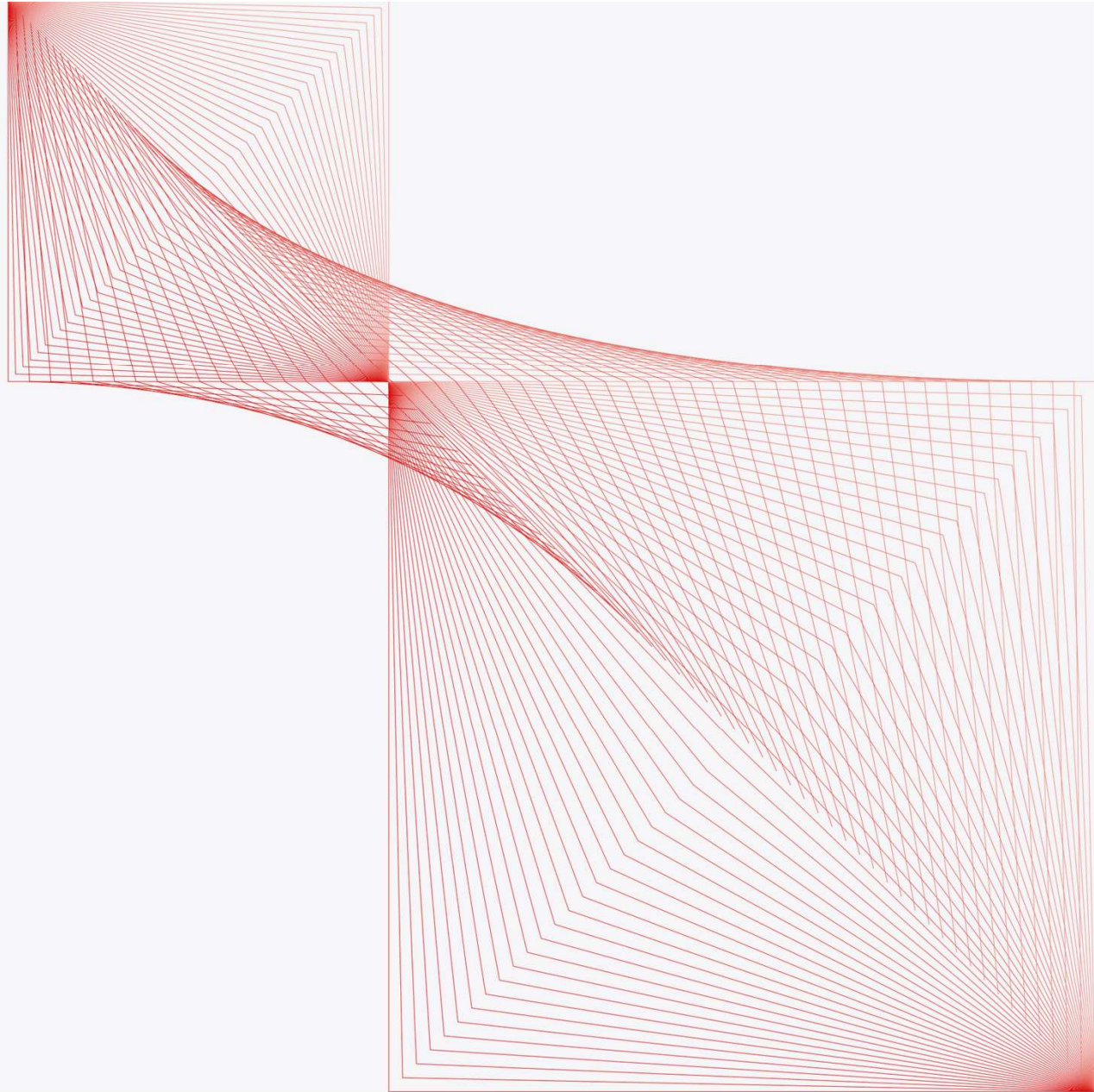


1. Results for reference scenario 2030
2. Results for reference scenario 2040
3. Results for reference scenario 2050

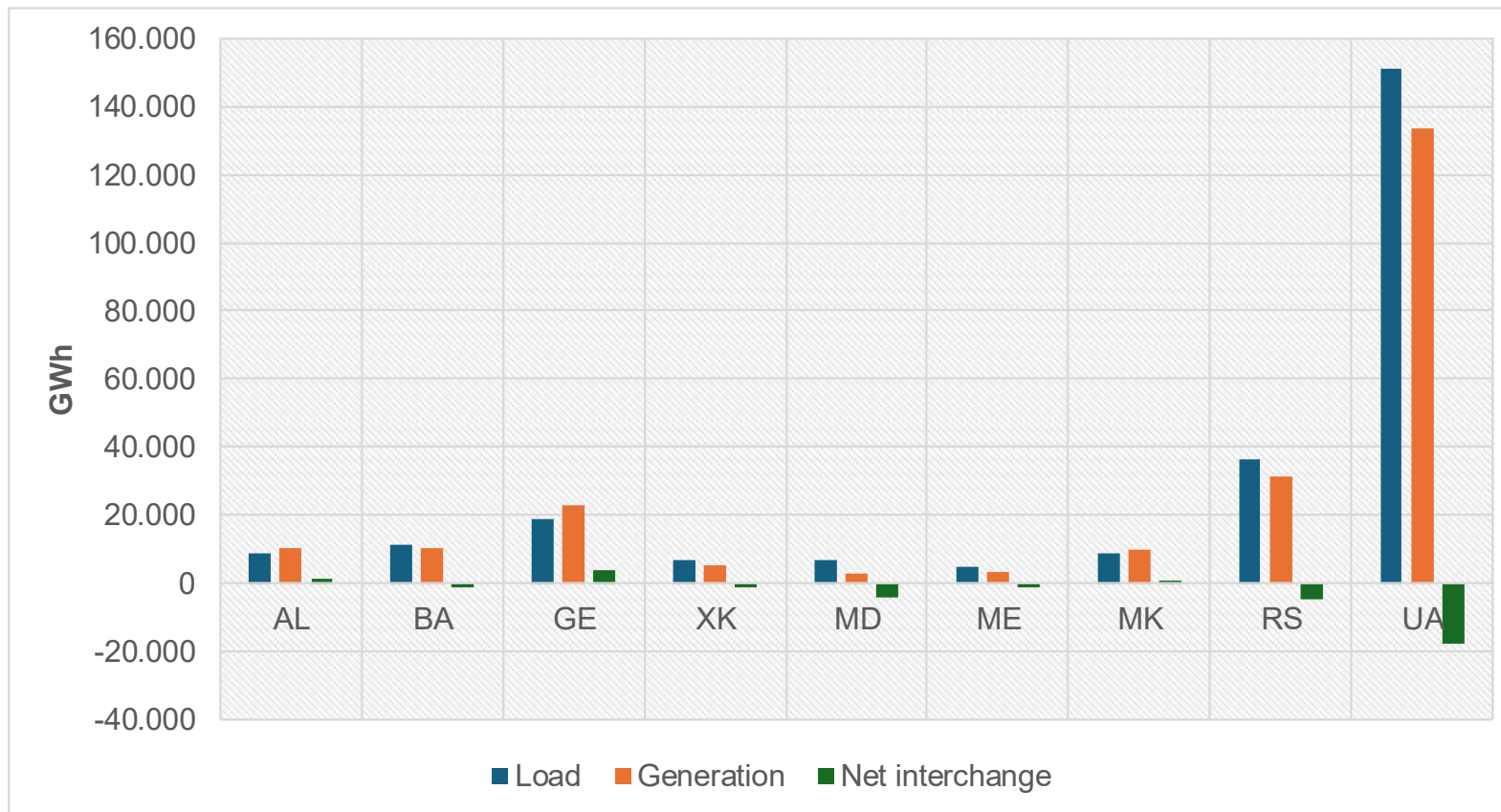
30 simulation scenarios



Results for reference scenario 2030



Electricity balance



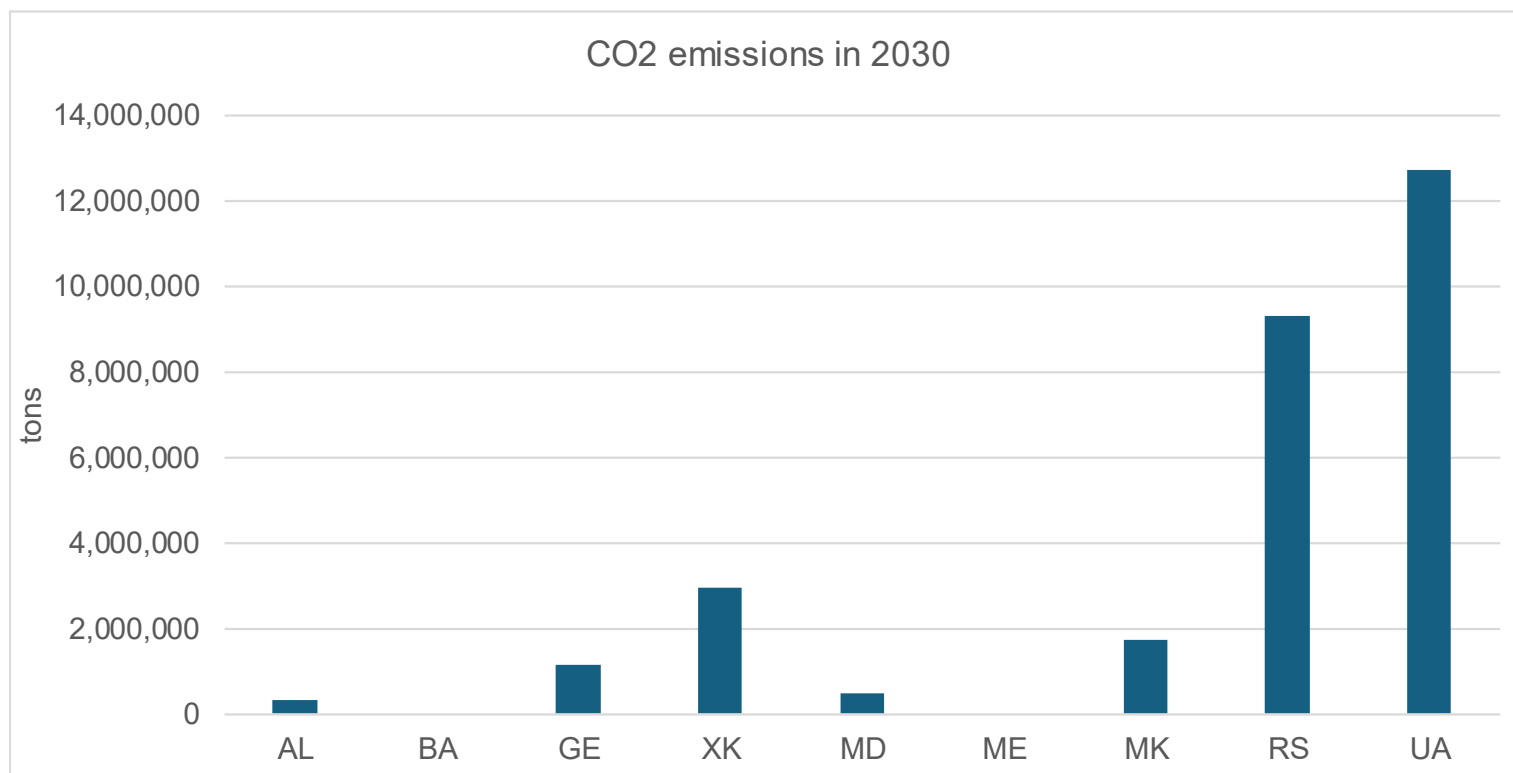
- *AL, GE and MK are net exporters*
- *BA, XK, MD, ME, RS and UA are net importers*
- *There is no ENS in any of the countries*

Generation costs and electricity price

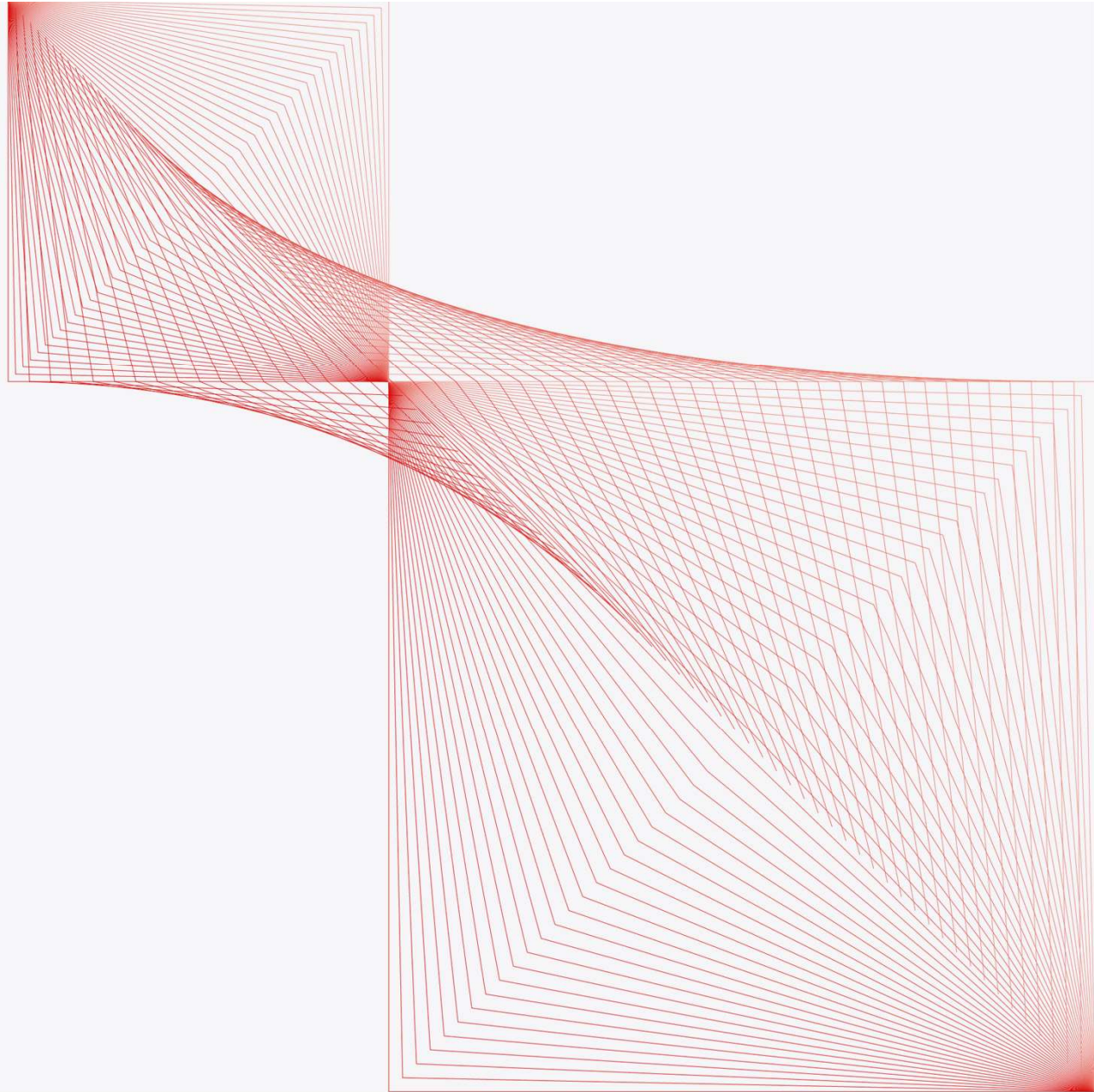
2030	Generation costs (€ 000)
AL	112,540
BA	33,106
GE	400,416
XK	402,052
MD	106,674
ME	8,475
MK	410,176
RS	1,376,012
UA	3,033,307



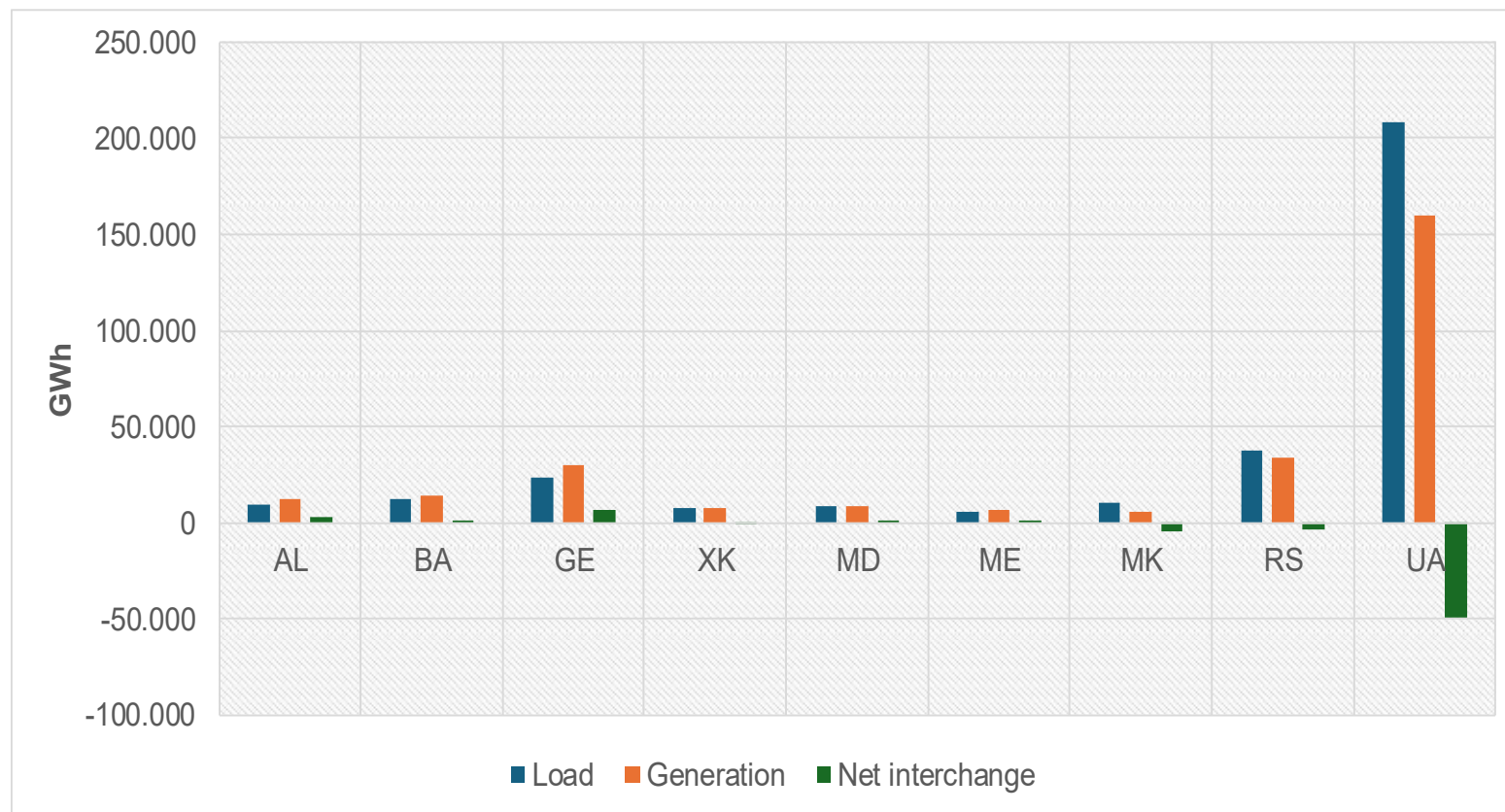
CO₂ emissions



Results for reference scenario 2040



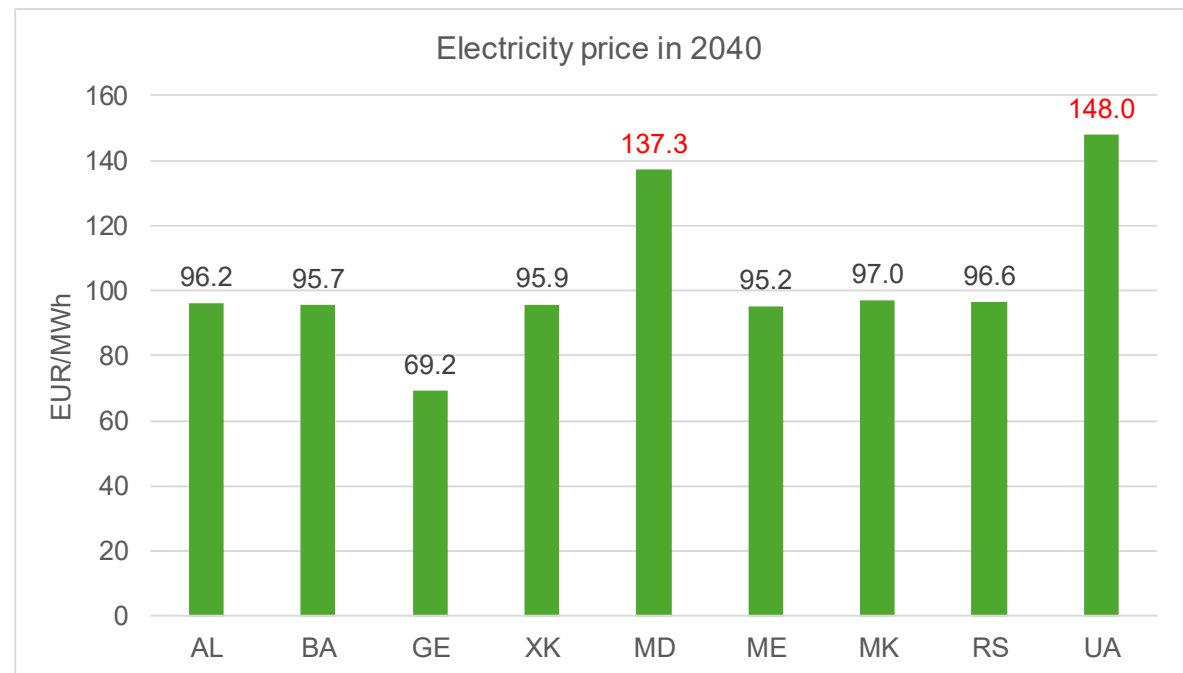
Electricity balance



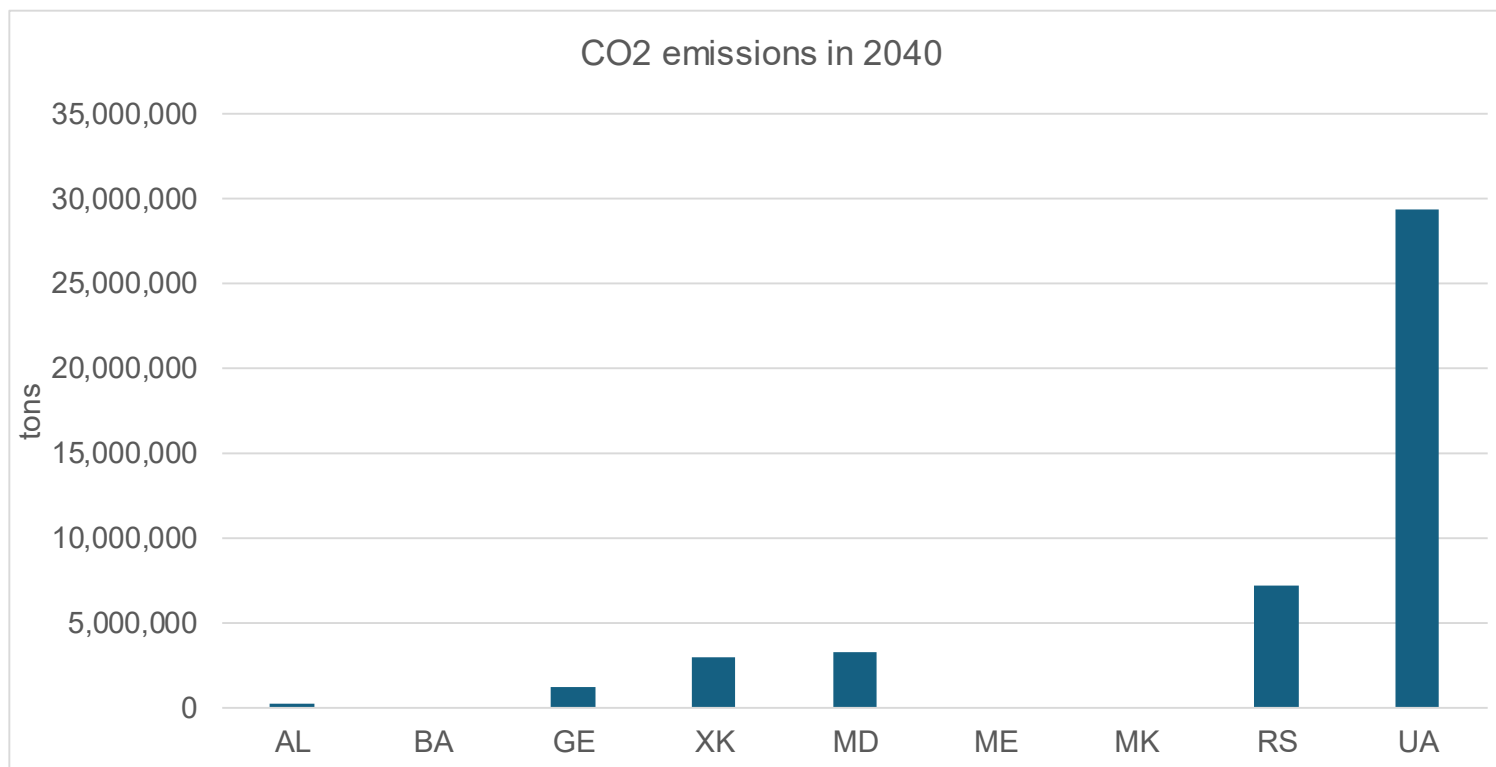
- *AL, BA, GE, and ME are net exporters*
- *XK, MK, RS and UA net importers*
- *ENS in MD and UA*

Generation costs and electricity price

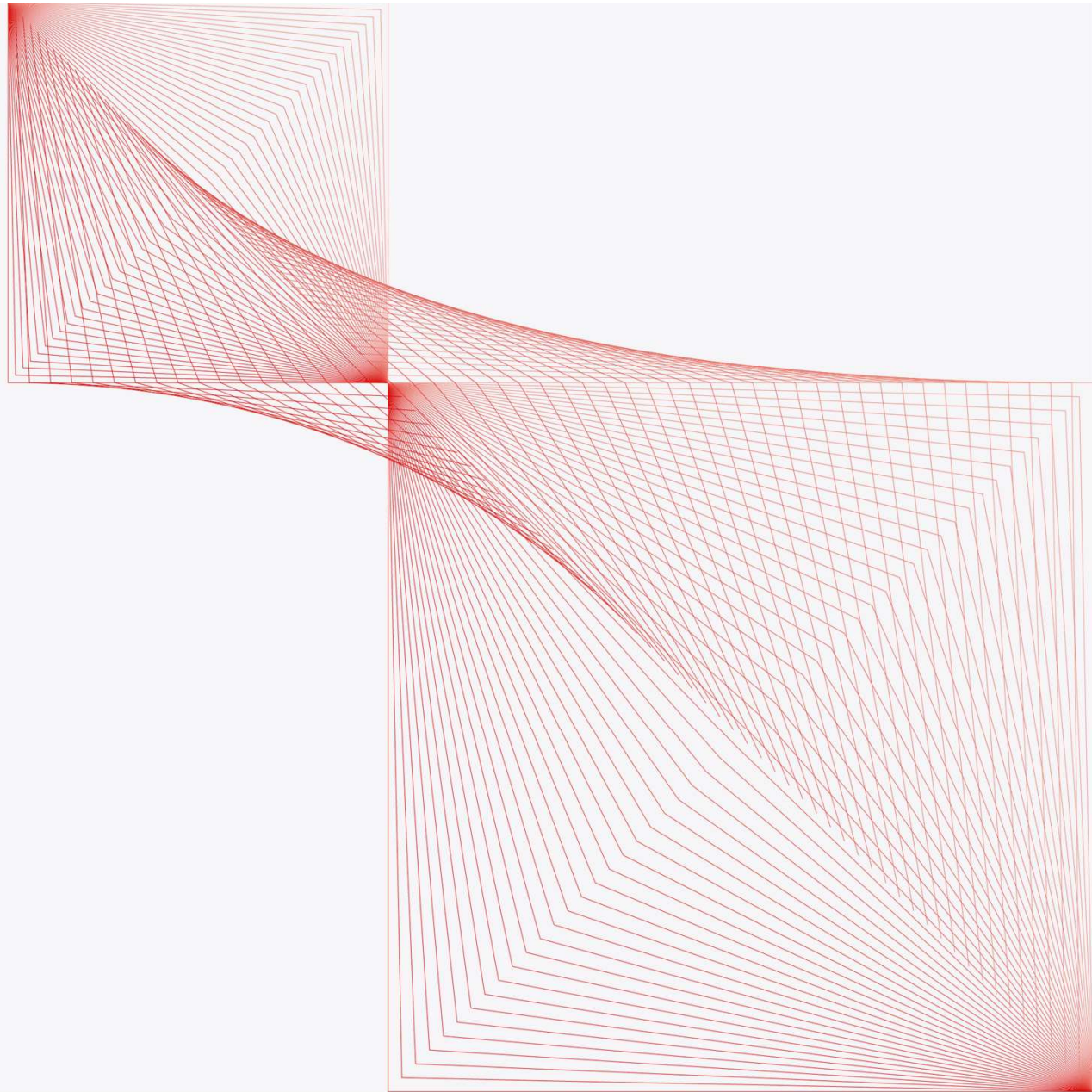
2040	Generation costs (€ 000)
AL	100,855
BA	33,679
GE	479,912
XK	501,454
MD	886,373
ME	10,426
MK	17,173
RS	1,353,958
UA	6,536,146



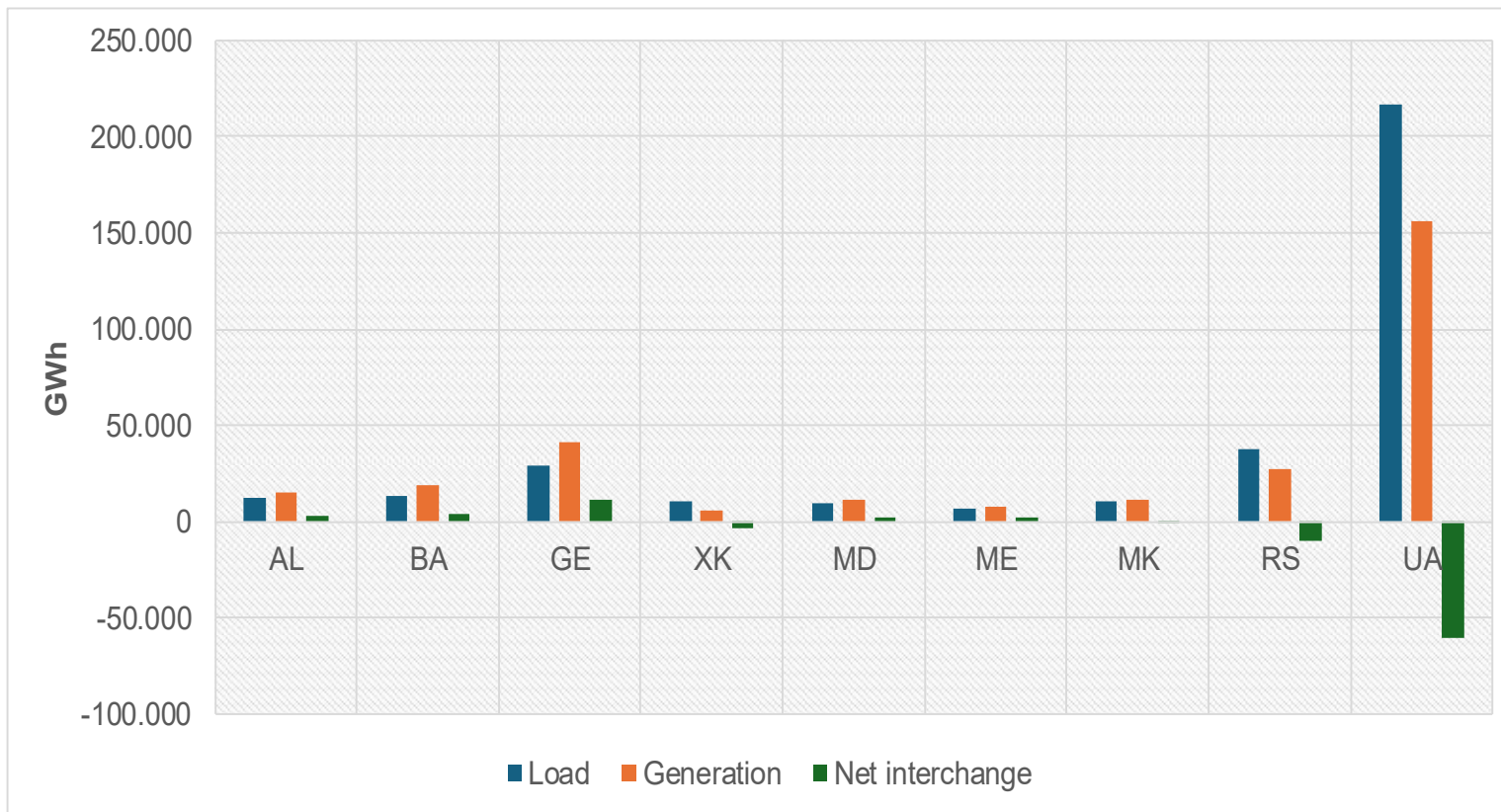
CO₂ emissions



Results for reference scenario 2050



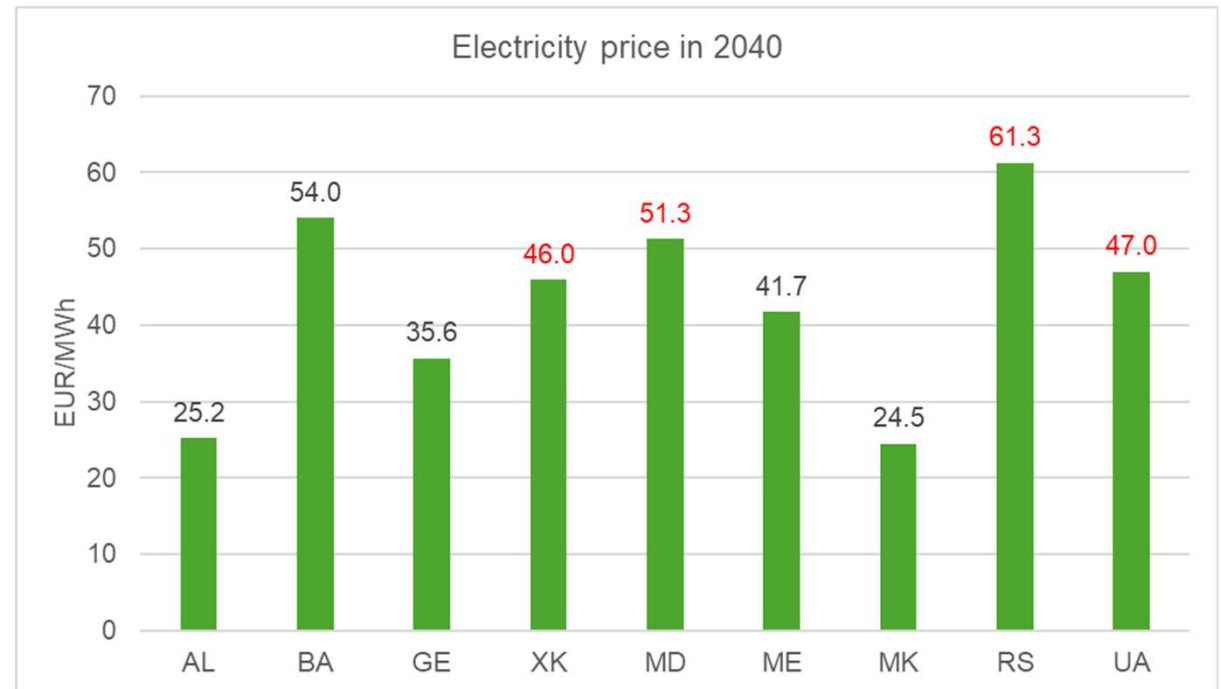
Electricity balance



- *AL, BA, GE and ME net exporters*
- *XK, MK, RS and UA net importers*
- *ENS in XK, MD, RS and UA*

Generation costs and electricity price

2050	Generation costs (€ 000)
AL	69,088
BA	40,804
GE	315,710
XK	1,163
MD	415,678
ME	11,852
MK	20,532
RS	170,509
UA	1,043,700



Thank you for your attention



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