



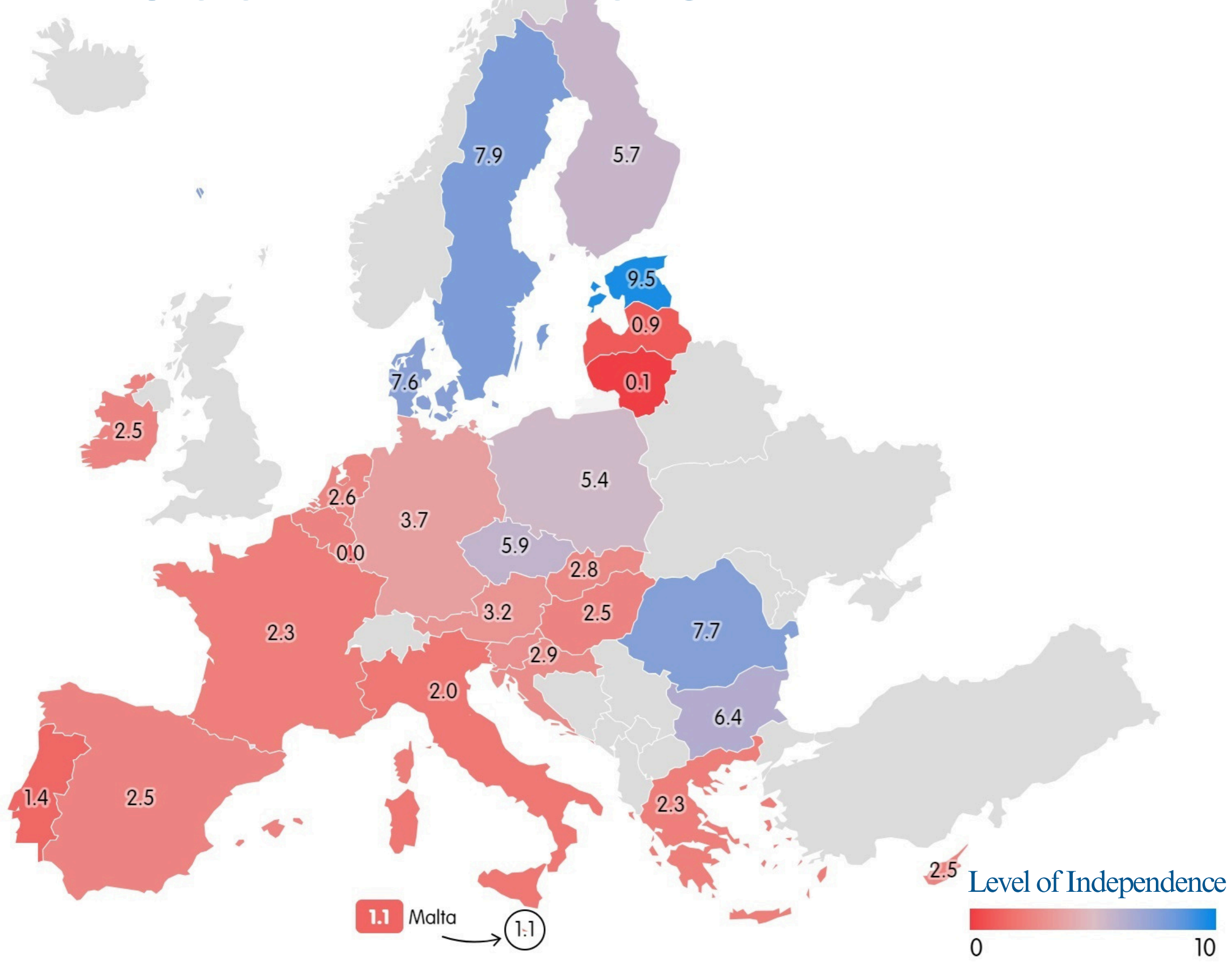
EU ENERGY POLICY FOR ENERGY INDEPENDENCE. TRANS-EUROPEAN NETWORKS FOR ENERGY. INTEGRATED EU ENERGY MARKET.

DR. MARIYA TRIFONOVA

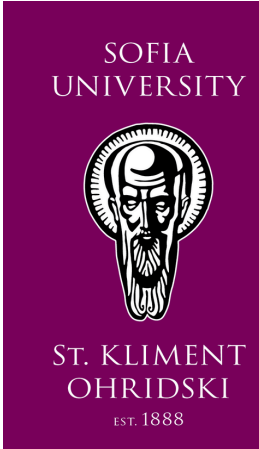
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EUROPEAN ENERGY DEPENDENCE MAP AFTER THE RUSSIAN INVASION



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Source: ECFR, Energy Sovereignty Index: Independence Pillar

WHY MORE INTEGRATED ENERGY MARKETS?



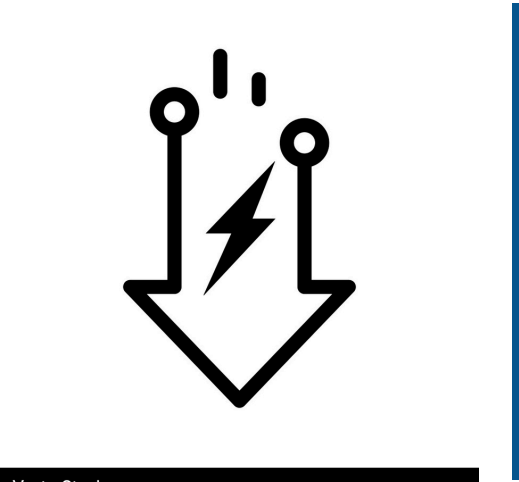
Enhanced security with fewer backup power plants



Reduced price volatility

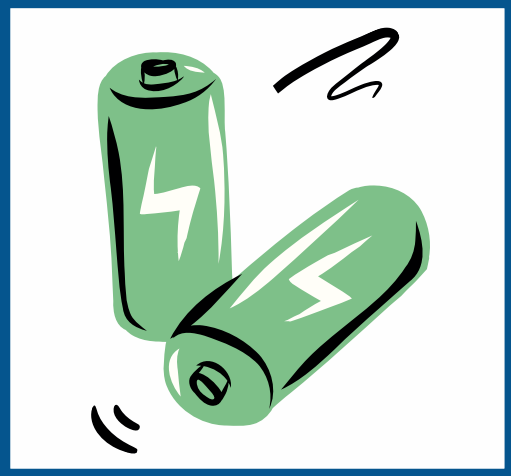


Increased renewable generation with less investment

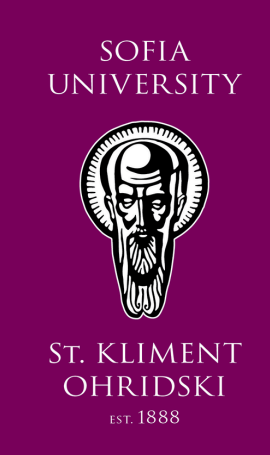


Lower fuel consumption / Less imports

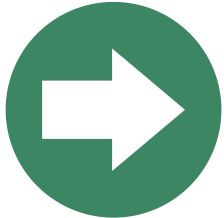
Greater flexibility with fewer storage investments



Less pollution

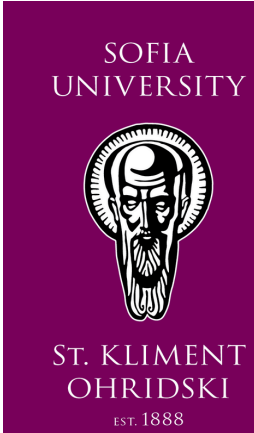
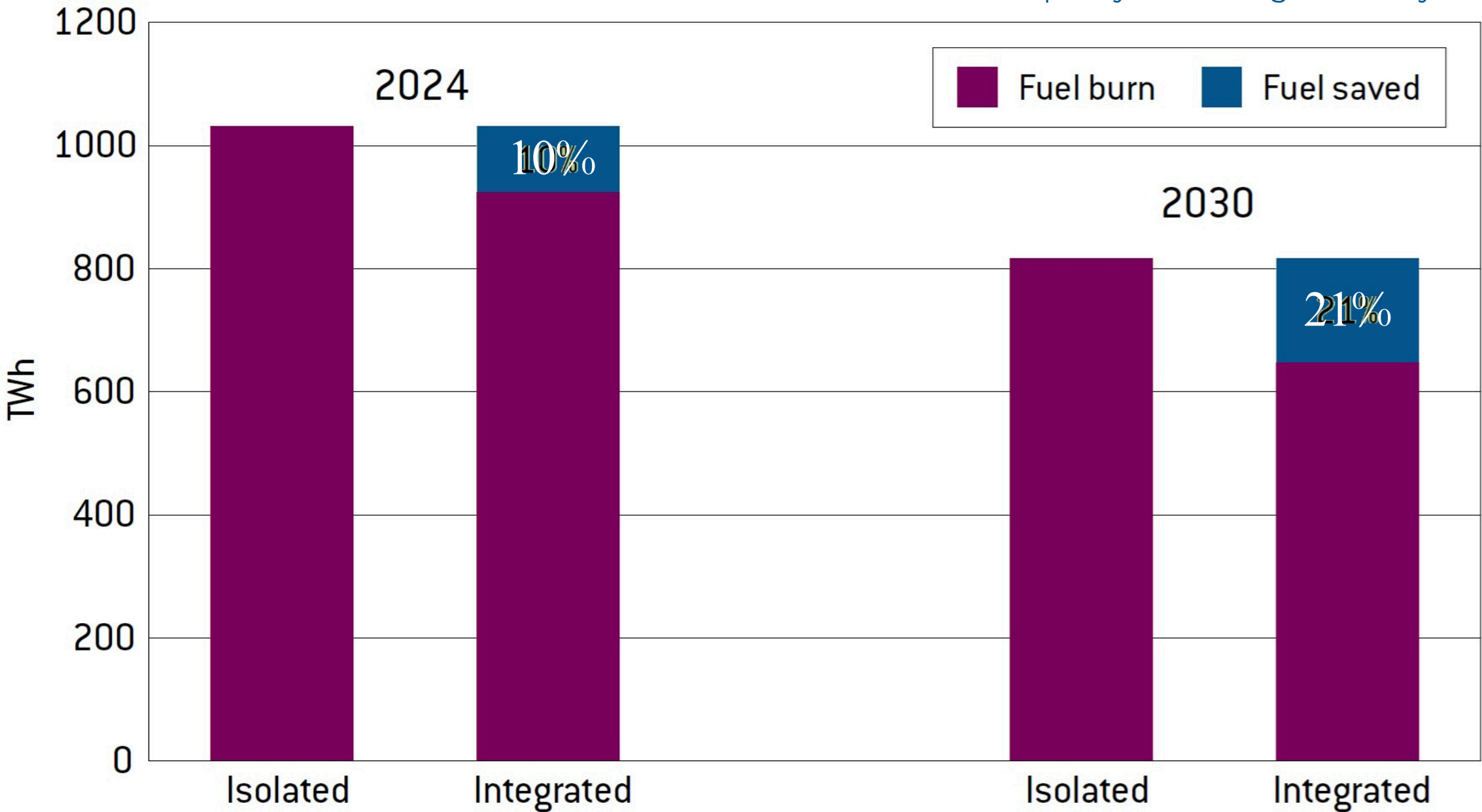


THEORETICAL BENEFITS FROM MOVING FROM ISOLATED SYSTEMS TO AN EU SYSTEM



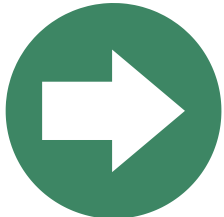
Fuel Savings

Cross-border projects can decrease generation costs by EUR9 billion annually to 2040 vs. EUR 6 billion investments needed in cross-border capacity and storage annually

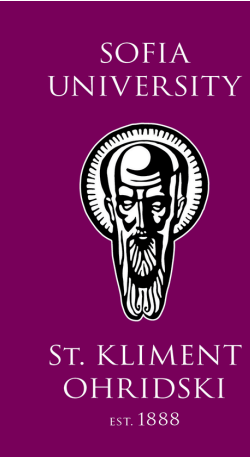
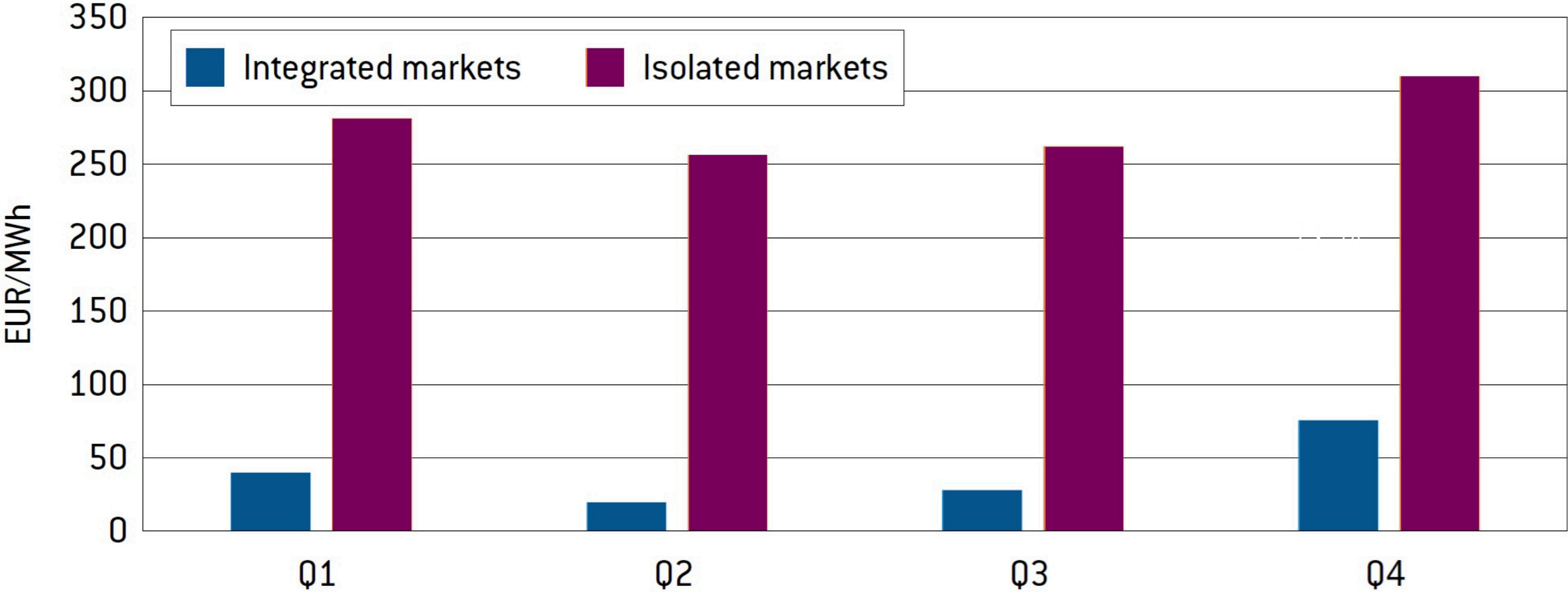


Source: Bruegel

THEORETICAL BENEFITS FROM MOVING FROM ISOLATED SYSTEMS TO AN EU SYSTEM



Price Volatility



Source: Bruegel based on ACER (2022)

GRIDS: THE MISSING LINK IN THE EU ENERGY TRANSITION

Accelerating IPCs and new projects

- CEF for energy has a grant budget of EUR5.84 billion available to new categories)
- RRP allocates EUR13 billion to grids
- MFs underutilized

New regional long-term grid planning approaches to strengthen synergies among different energy carriers

New models for cost-allocation

Reference: the Proposition of the Nordic countries for offshore grids

Incentivising the better usage of grids with enhanced transparency and improved network tariffs for smarter grids, efficiency and innovative technologies and solutions by supporting the cooperation between SOs and recommendations by ACER

€584 billion
in grid investments
are necessary to
double cross-border
capacity by 2030 +
DS modernization



THANK YOU FOR YOUR ATTENTION AND LET'S STAY CONNECTED

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