

HiMO6 LR5-54HTH

Energy Yield and Performance Analysis

DG-D3 Region

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02 PART TWO Specific Energy Production

03 PART THREE Performance Ratio

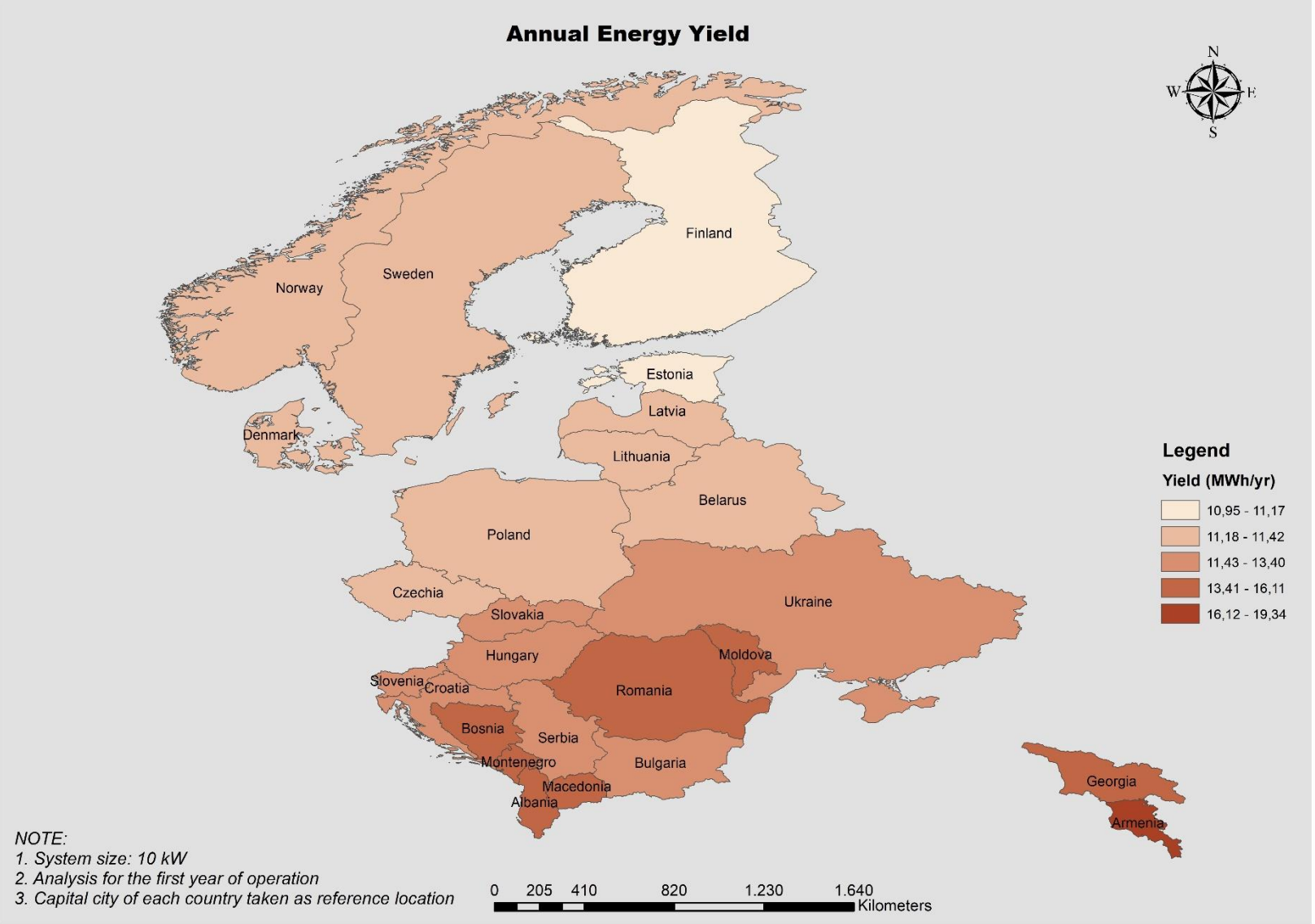
04 PART FOUR Change in Energy Yield Compared to HiMO5

05 PART FIVE Specific Generation Difference Compared to HiMO5

06 PART SIX Effect of Aging on the Generation

Energy Generation HiMO6 (HTH 440Wp)

- Considering low irradiation, high performance ratio resulting approx. 11 MWh/year in Finland

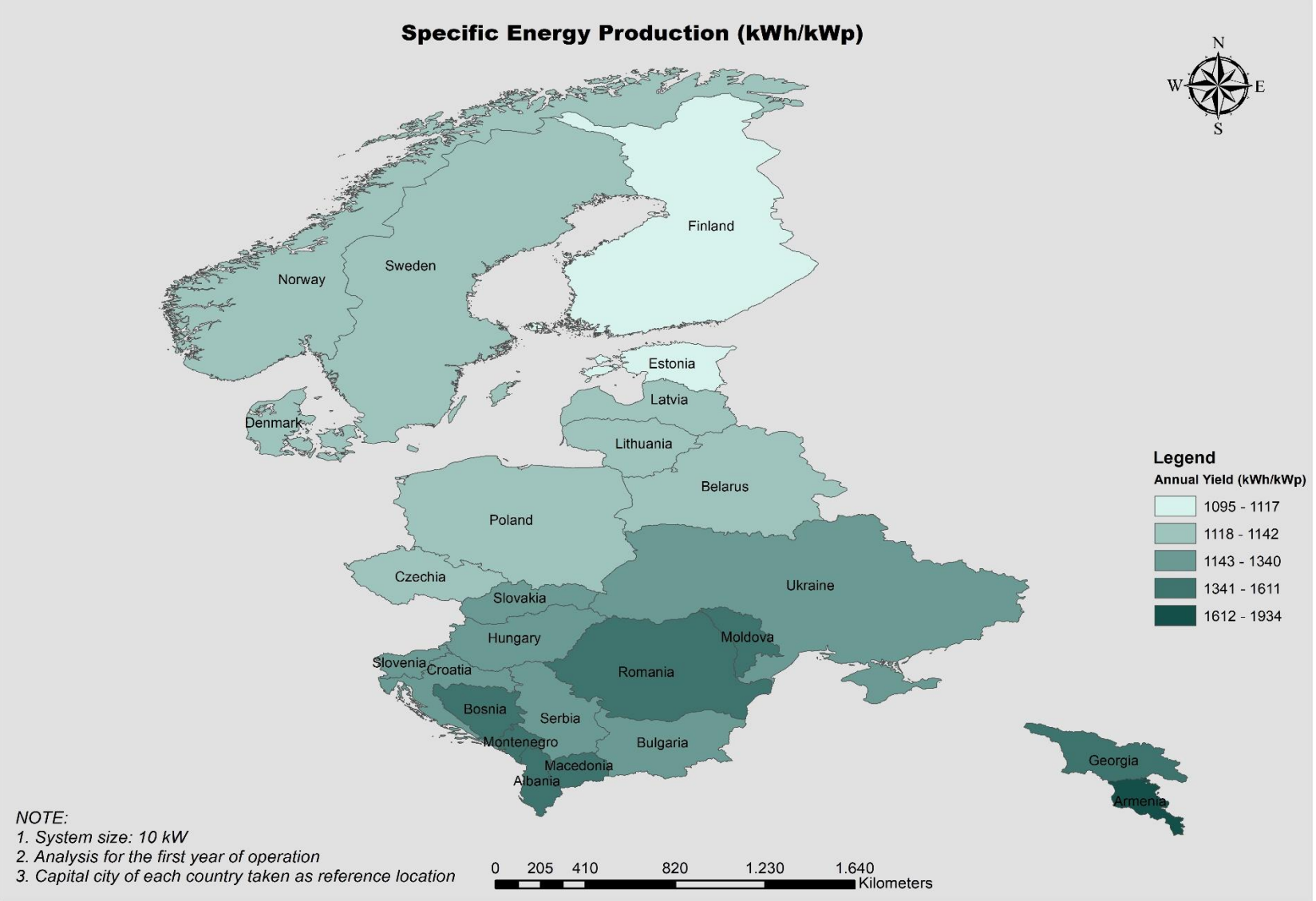


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Specific Energy Generation HiMO6 (HTH 440Wp)

- Specific Annual Generation highest in Armenia approx. 1934 kWh/kWp and around 1095 kWh/kWp for Finland

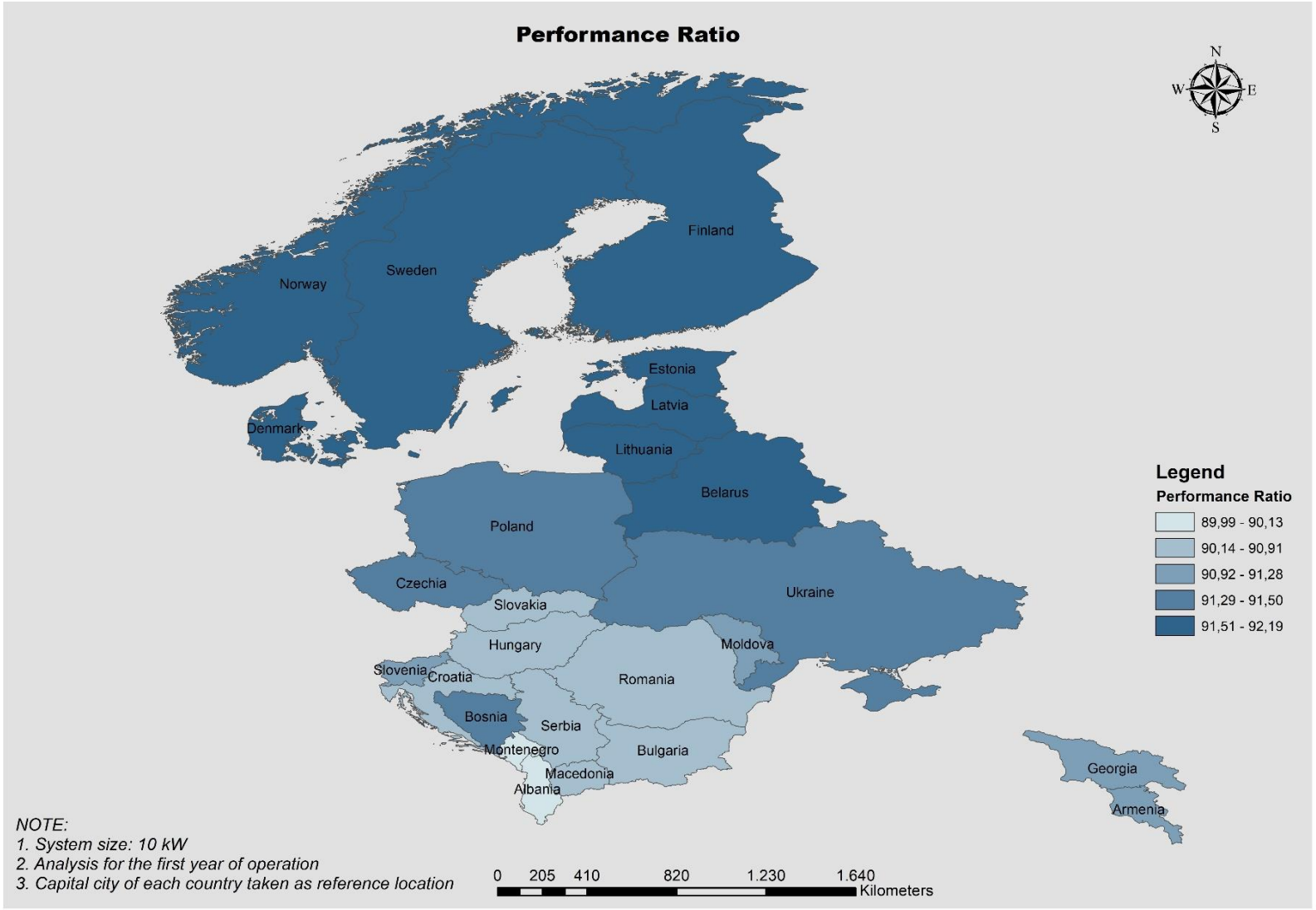


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Performance Ratio HiMO6 (HTH 440Wp)

- The closer the PR value approaches 100 %, the more efficiently the respective PV plant is operating
- Lower ambient temperature plays a role in a higher PR in Northern Europe

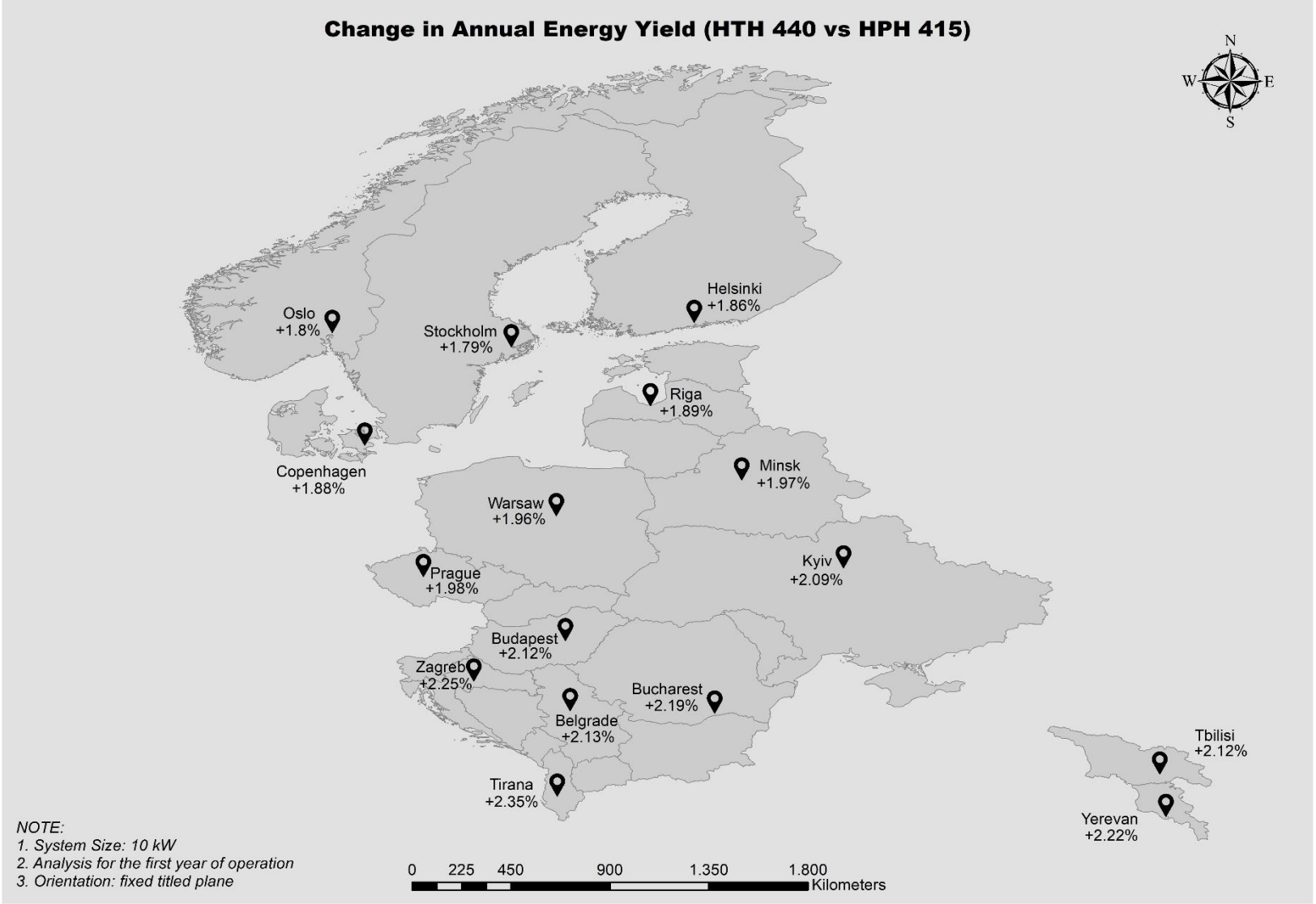


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HiMO6 Comparison with HiMO5

- Overall increase in the Annual Energy Generation with the use of HiMO6

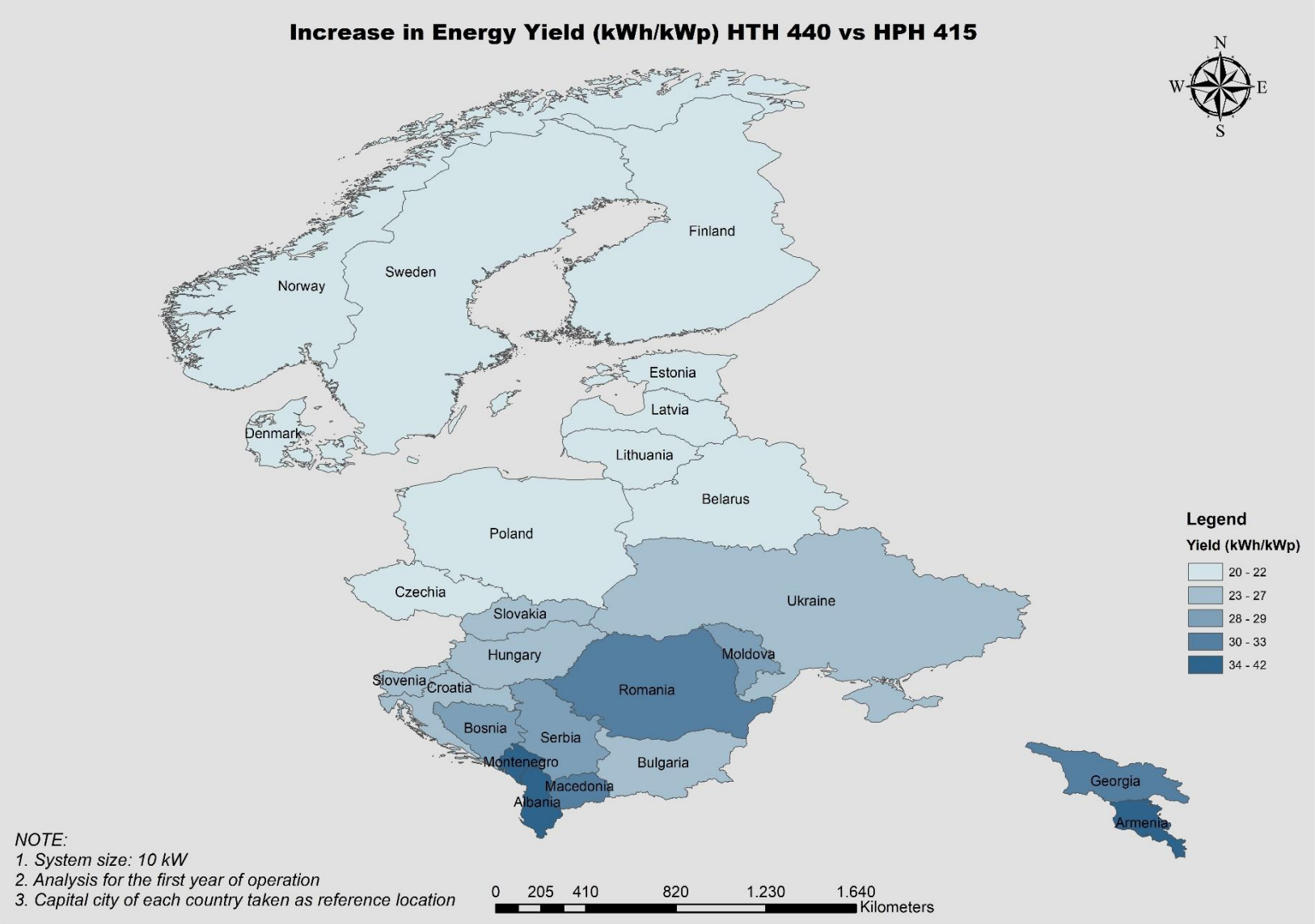


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HiMO6 Comparison with HiMO5

- Upsurge in the Annual Specific Energy Generation (kWh/kWp) with the deployment of HiMO6



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HiMO6 Comparison with HiMO5

- Examination of HTH 440 vs HPH 415 over the years accounting the aging characteristics
- Better degradation (aging) parameters for HiMO6 resulting in enhanced performance on the long run

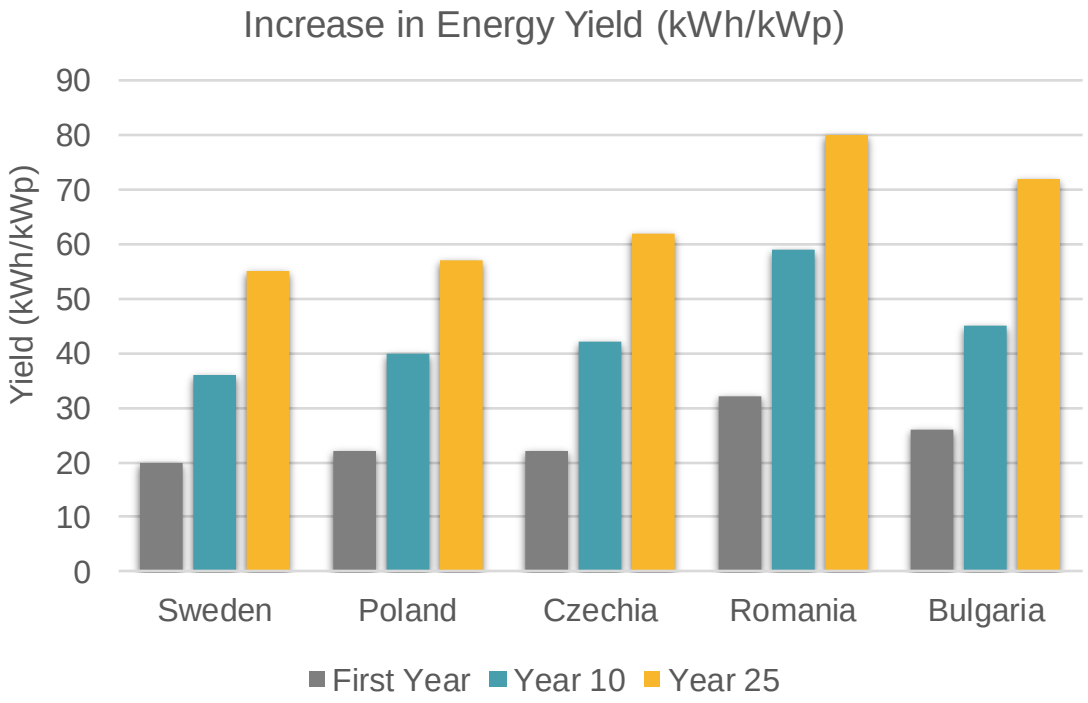


Figure (a): Estimated increase in the energy generation with HiMO6 over HiMO5

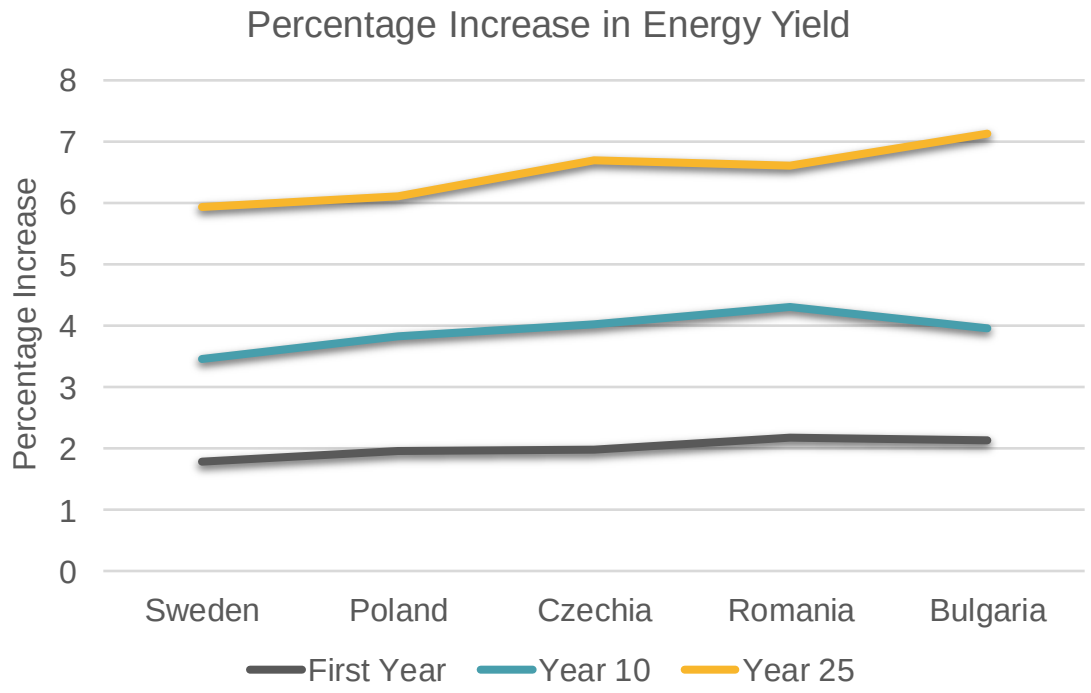


Figure (b): Estimated percentage rise in the energy generation with HiMO6 over HiMO5

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Scenario: HiMO6 and HiMO5 Installation in the Equal Area

- HTH 440: 25 modules, 49 m² module area, 11 kW

  HPH 415: 25 modules, 49 m² module area, 10.38 kW

- HiMO6 showcasing enriched elevation in the energy yield for the years of operation

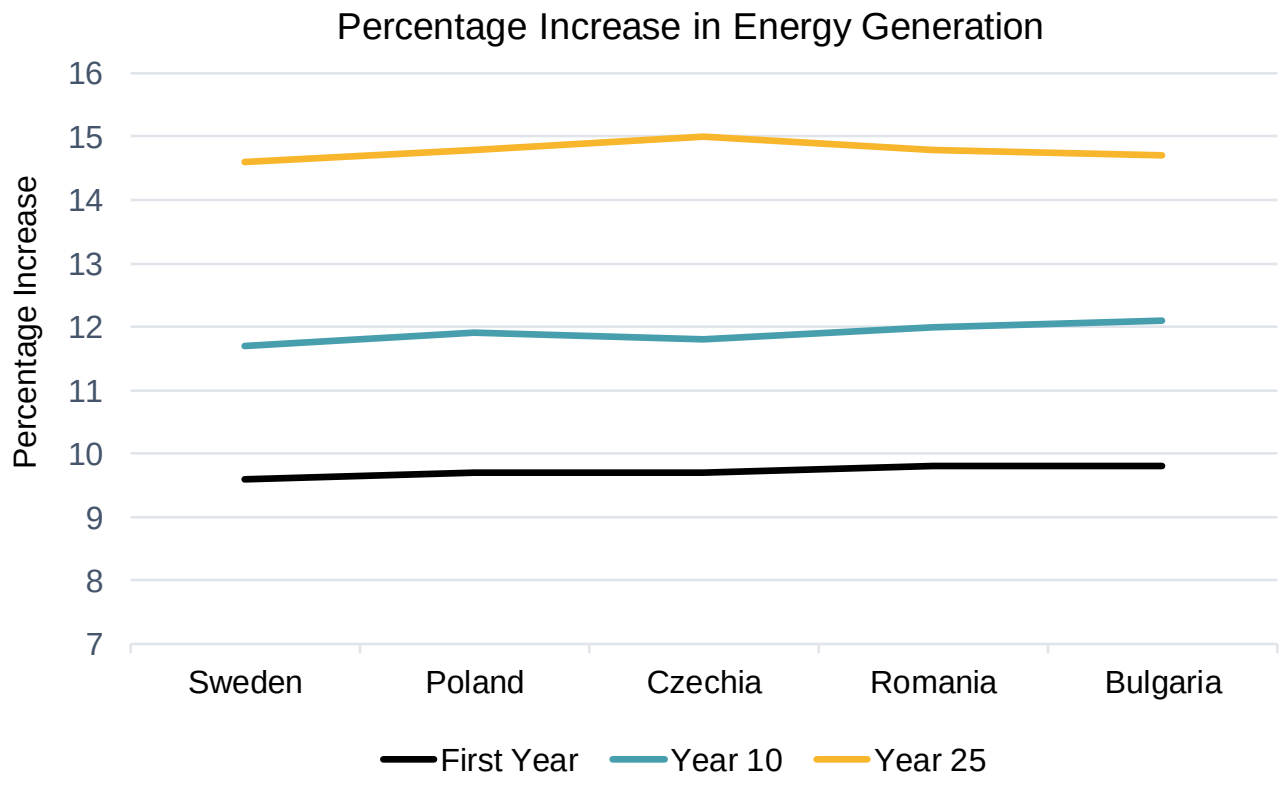


Figure (c): Estimated rise in the energy generation for the equal installation area

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