

World Energy Trilemma

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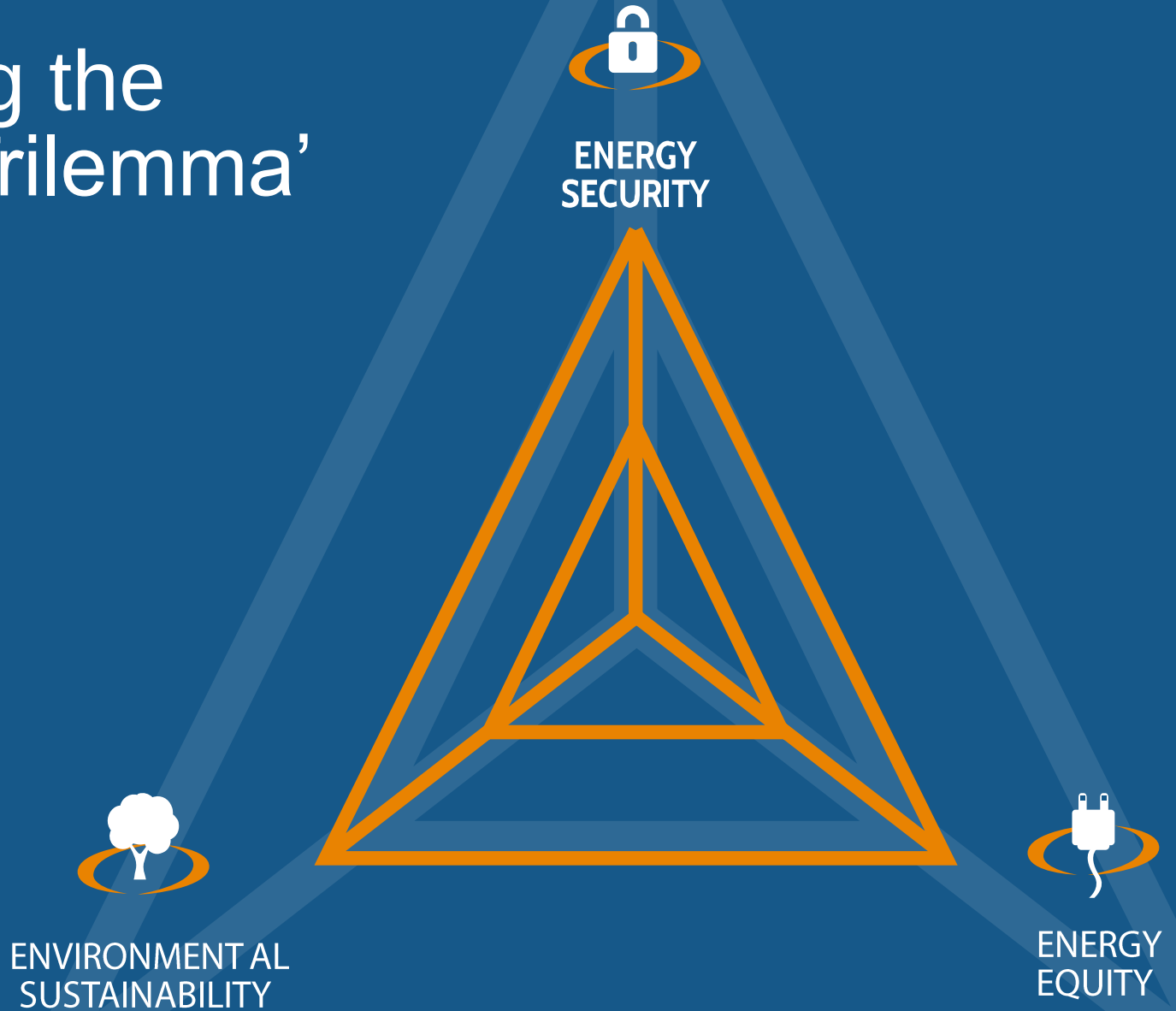
Agenda

- ▶ Welcome and introductions (5 min)
- ▶ Setting the scene: What is at risk? (10 min)
- ▶ Interactive discussion (60 min)
- ▶ Conclusion (15 min)

Setting the scene: What is at risk?



Balancing the 'Energy Trilemma'



Challenges

Unlocking capital sources

Roughly US\$48 trillion investment in energy infrastructure is required over the next 20 years.



Managing trade-offs

Balancing the three dimensions of the energy trilemma will get more expensive.

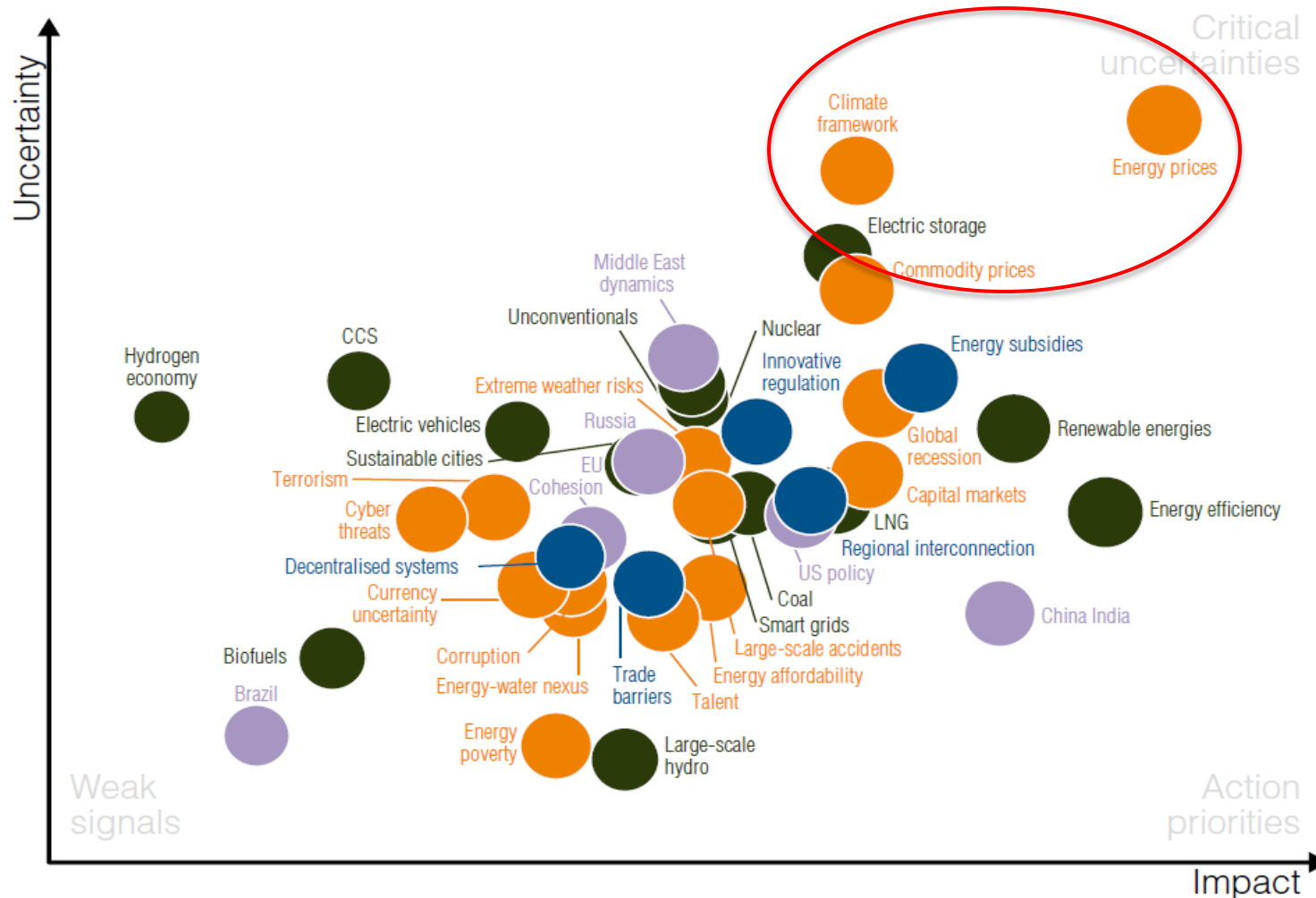


Reducing uncertainty

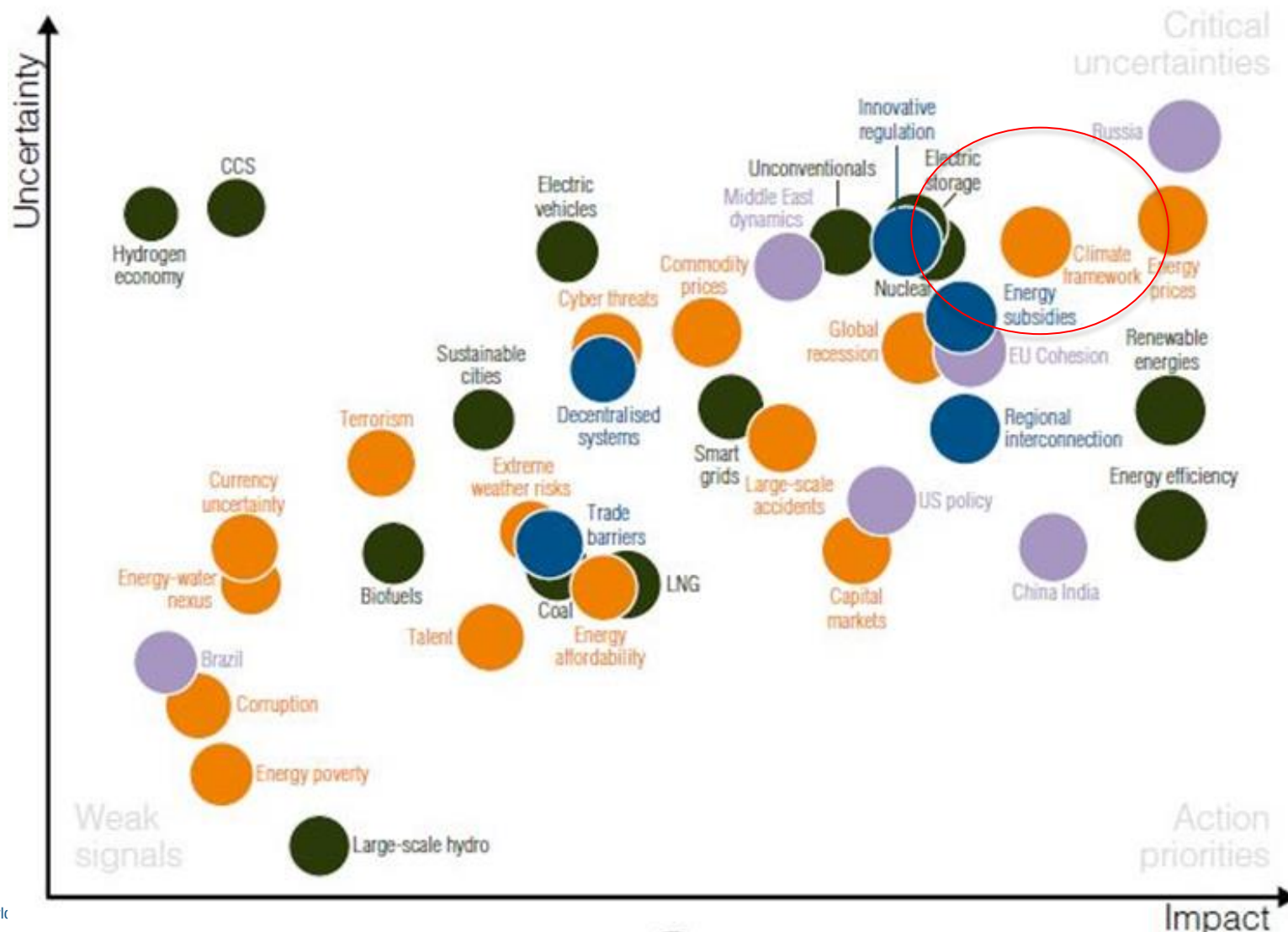
Policy and regulatory changes and the lack of an international climate framework deter investment.



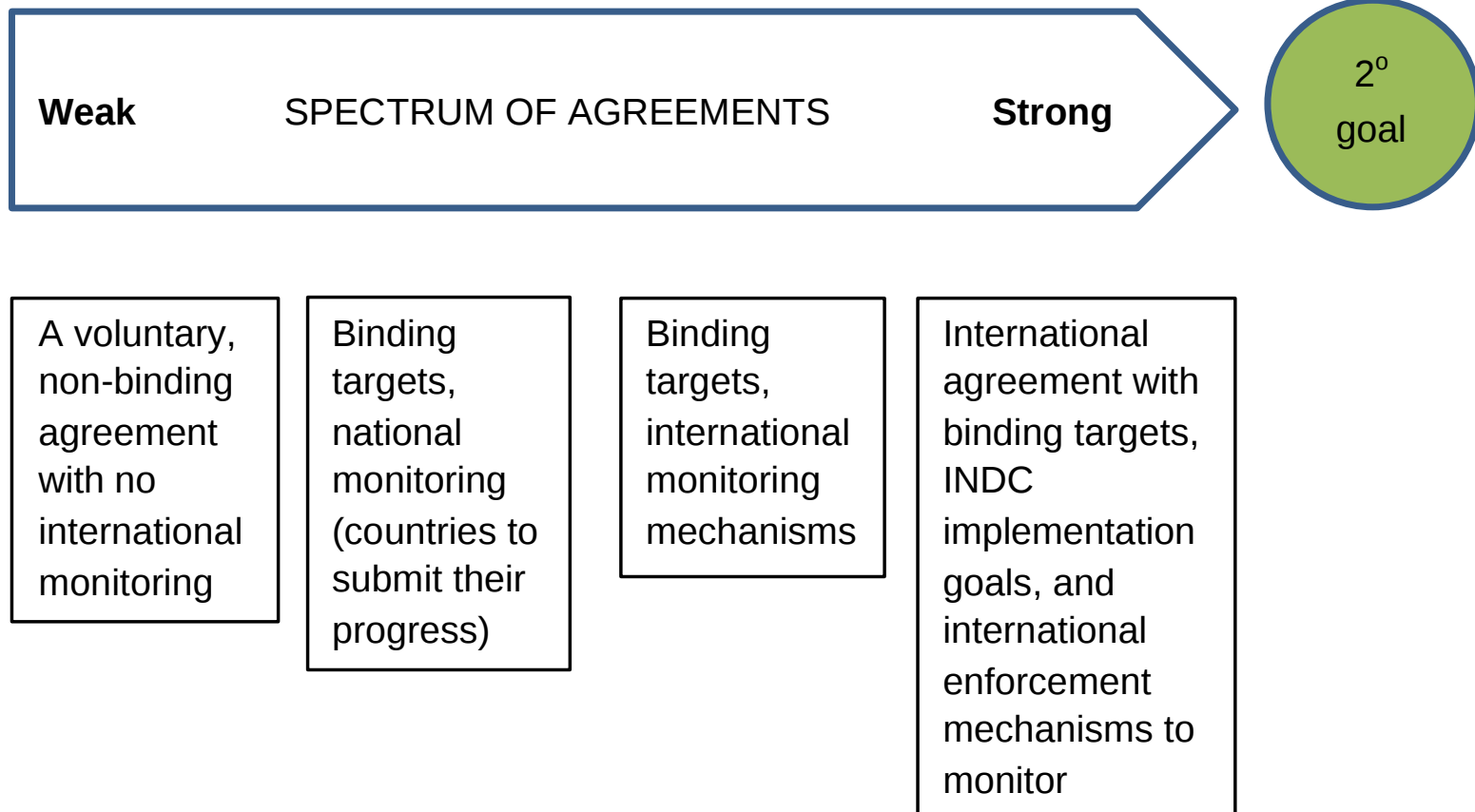
The lack of a global climate framework is one of the greatest uncertainties globally



In Europe, the lack of a climate framework is a top critical uncertainty



What are the options for a climate framework



Performance of EU-28 countries



Northern Countries

5 Denmark

2 Sweden

4 United Kingdom

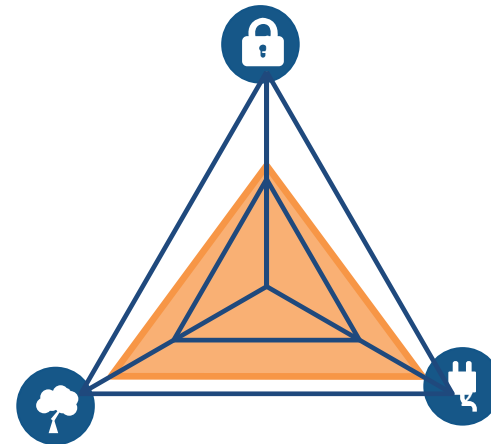
8 Finland

22 Ireland

37 Lithuania

43 Latvia

75 Estonia



Western Countries

7 Austria

9 France

11 Germany

14 Netherlands

21 Belgium

18 Luxembourg



Eastern Countries

17 Slovakia

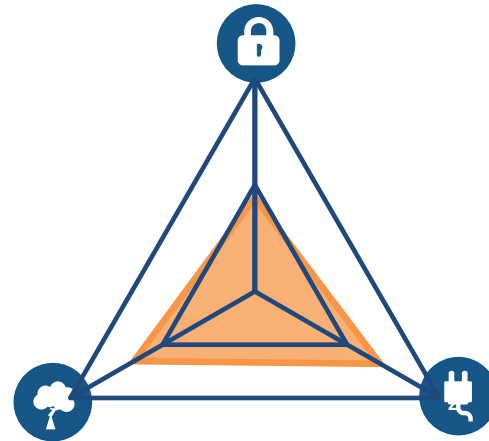
28 Czech Republic

33 Hungary

42 Poland

54 Romania

67 Bulgaria



Southern Countries

15 Spain

24 Slovenia

25 Portugal

29 Italy

32 Croatia

51 Greece

63 Cyprus

65 Malta

The EU's INDC

- ▶ - 40% GHG emissions (compared to 1990 levels)
- ▶ EU 2030 targets include:
 - 27% share of renewables
 - 27% improvement in energy efficiency
 - ETS cap declining by 2.2% annually from 2021 (compared to 1.74% up to 2020)
- ▶ Suggested 'Paris Protocol' to include binding mitigation commitments, regularly reviewed and strengthened by all Parties

Discussion

Questions for consideration

- ▶ What are the biggest challenges and opportunities for the region in adjusting its energy supply?
- ▶ What are the biggest challenge and opportunities for the region in adjusting its energy use?
- ▶ What type of climate agreement would align best with the region's energy trilemma goals and competitiveness?



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