









ESPON seminar

Territorial perspective of green industrialisation

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"Territorial perspective of green industrialisation"

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Content of the working paper

- Why do regions need green industrialisation? (chapter 1)
- Green industrialisation as part of the solution to global challenges (chapter 2)
- What do regions need for achieving green industrialisation? (chapter 3)
- Conclusions and policy recommendations (chapter 4)

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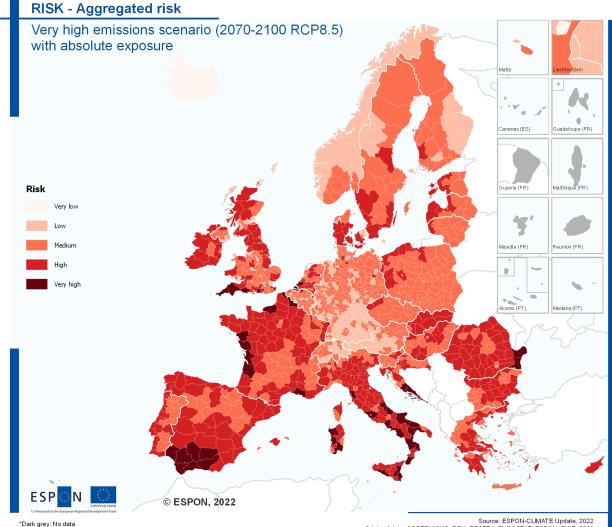






Dealing with climate risks

- Increased risk for regions to be affected by climate induced hazards towards end of 21st century
 - ecosystems, economic sectors, human health and wellbeing continue to be adversely impacted
 - regions continuously need to improve their adaptive capacity
- European Green Deal aims at climate-neutral Europe by 2050
- Clean green/blue energy required to reduce GHG emissions





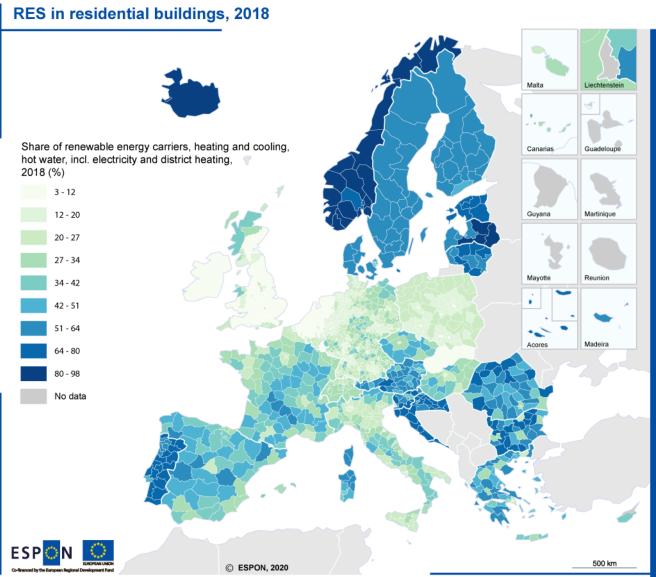






The clean energy challenge

- Higher energy prices in wake of Ukraine war accelerated need for energy transition
- ESPON research shows that energy transition advances at different rates across Europe but i altogether too slow
- Territorial potential for renewable energy deployment does not automatically correspond to high shares of renewable energy use
- Strong policies and market conditions are key i renewable energy deployment
- Green industrialisation plays vital role in energ transition





Green industrialization: A definition

- Green industries = promote sustainable patterns of production and consumption
- Important transformations:
 - From fossil fuel to renewable energy sources
 - Increase in resource efficiency
 - Transition to a circular economy









Benefits of a green industrialisation

- Deliver on climate goals
- Improve competitiveness
- Reduce costs and improve resilience
- Increase productivity
- Create jobs
- Attract/fix population to some areas
- Improve health and wellbeing

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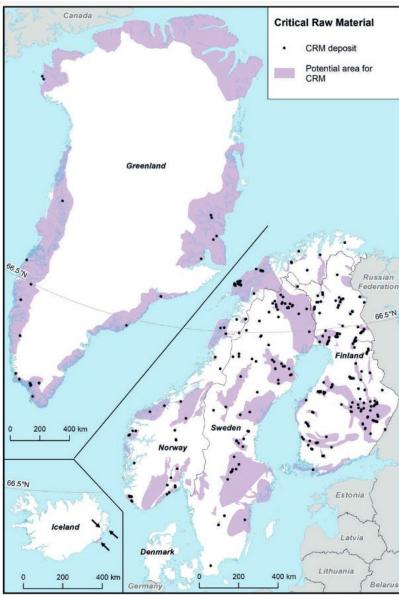












A transition on its way in Sweden

- -27% decline in greenhouse gas emissions from production since 2008
- More efficient production technologies, adoption of renewable energy sources, green innovation, changed consumption patterns
- Green investments in Norrland: around 98 billion Euro committed
- Key factors: Accessible and cheaper renewable energy and supply of raw materials
- Challenges: meeting the increasing demand for renewable energy, domestic material consumption

Source: Pasi et al. (2021)





Wrapping up

- Green industrialisation as enabler for sustainable development
- Involves systems change
- Brings opportunities but also challenges
- Requires planning and anticipation

Picture: Stockholm's Kungsgatan Street, September 3, 1967
First morning after 'Dagen H', the day when Sweden changed from driving on the left side to driving on the right

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Source: @HistoryInPics



















Thank you!

Presentations can be downloaded from the ESPON website after the event.