

Competences for a Sustainable Future

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Q u e s t i o n

Do you feel that you have a clear idea of
the future competences for the green
transition?

Who am I?

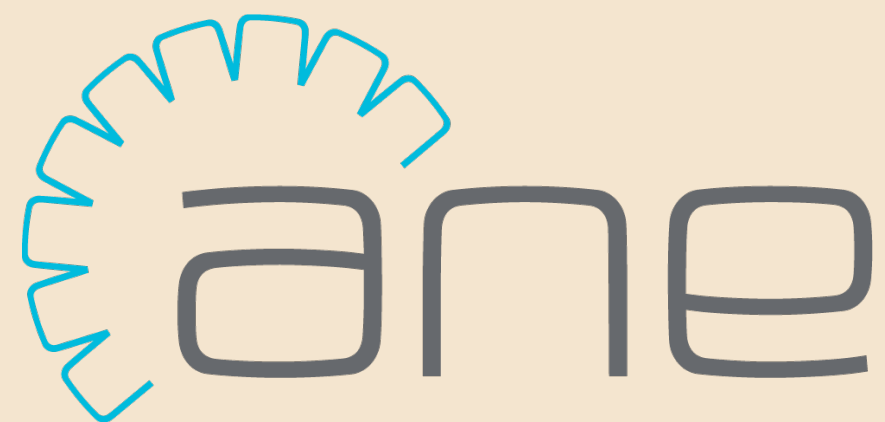


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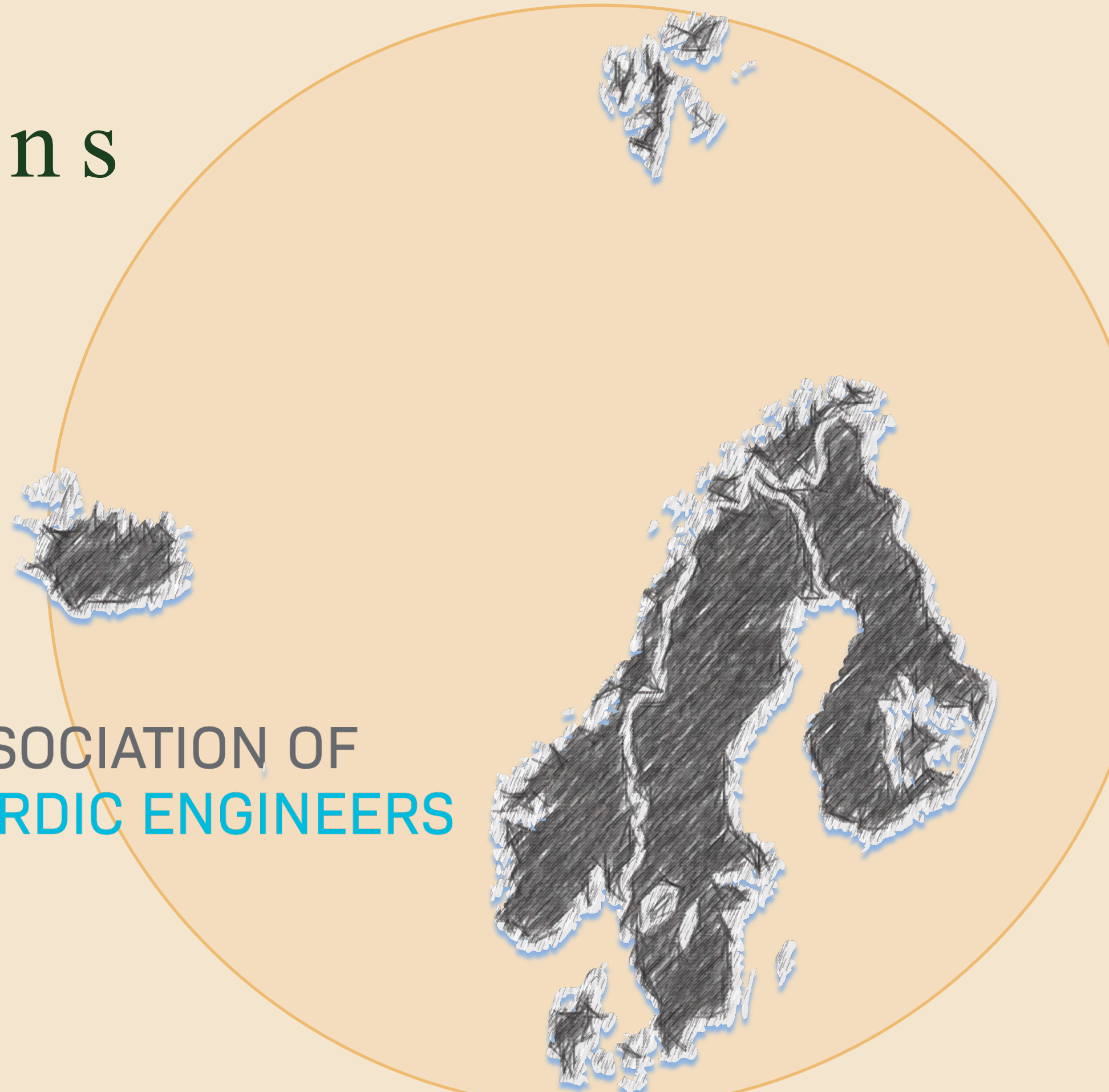
The main problem...



The scene: Eight Nordic Associations



ASSOCIATION OF
NORDIC ENGINEERS



Nordic Synergies

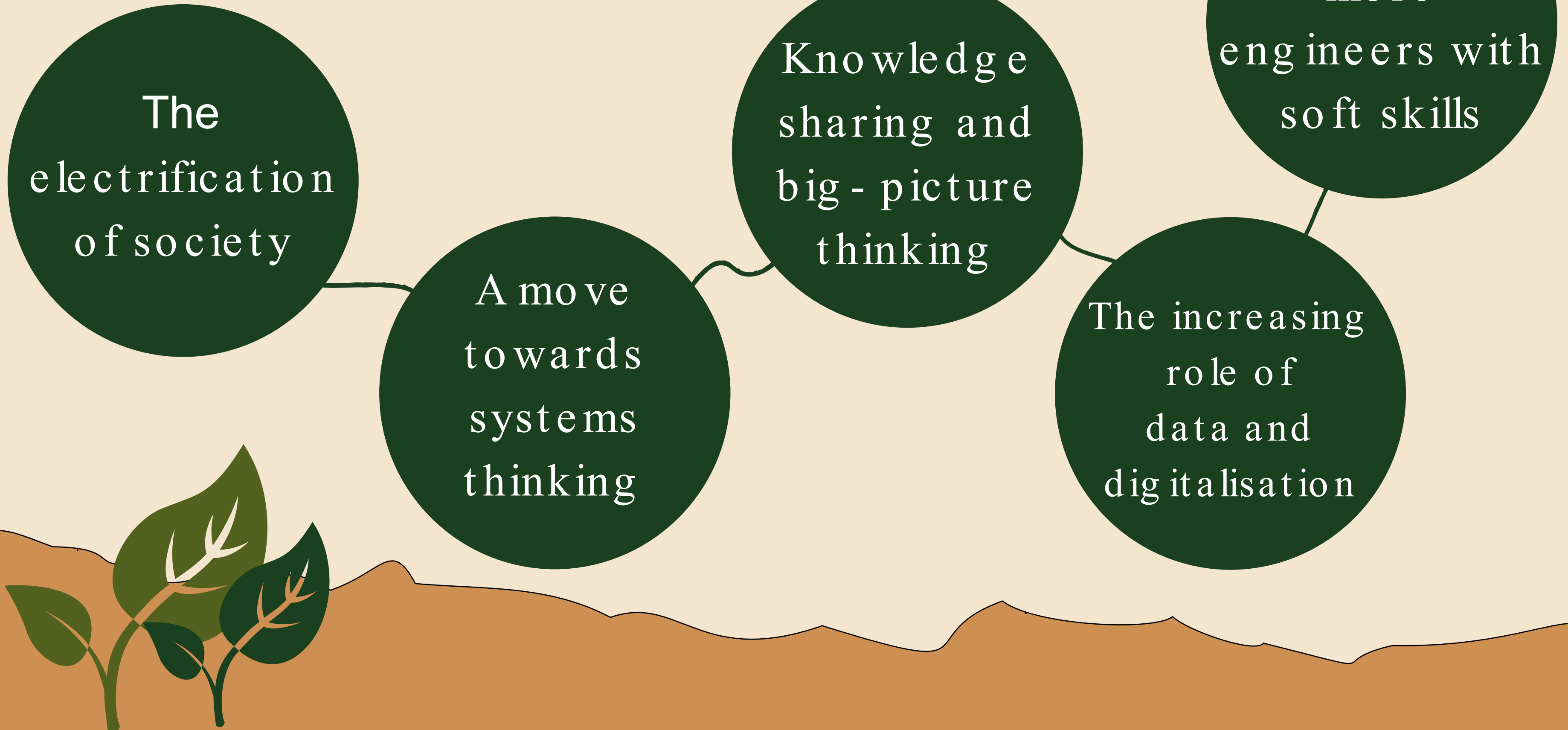




Objectives of the report

- Identify the skills needed for the green transition
- Highlight future skill and workforce requirements
- Identify knowledge and skill gaps
- Emphasise country -specific skill needs
- Guide stakeholders and policymakers
- Identify potentials for increased

Key Trends in the Nordic Region



Different competencies in the Nordic Region



- Geothermal
- CCS

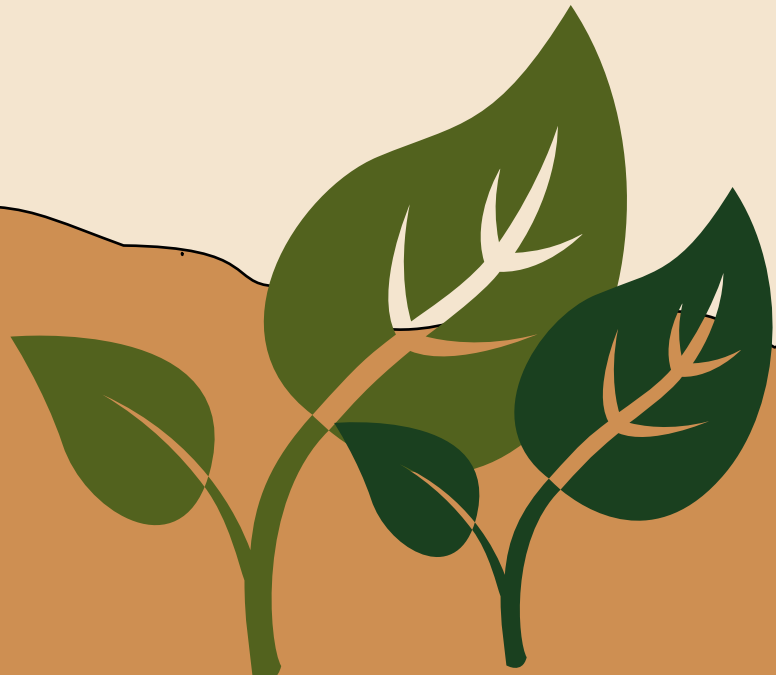


- Batteries
- Nuclear
- Biomass

- Hydro
- PtX
- Batteries
- CCS

- Nuclear
- Hydro
- Biomass

- Wind
- PtX
- CCS



P o w e r - t o - X (P t X)

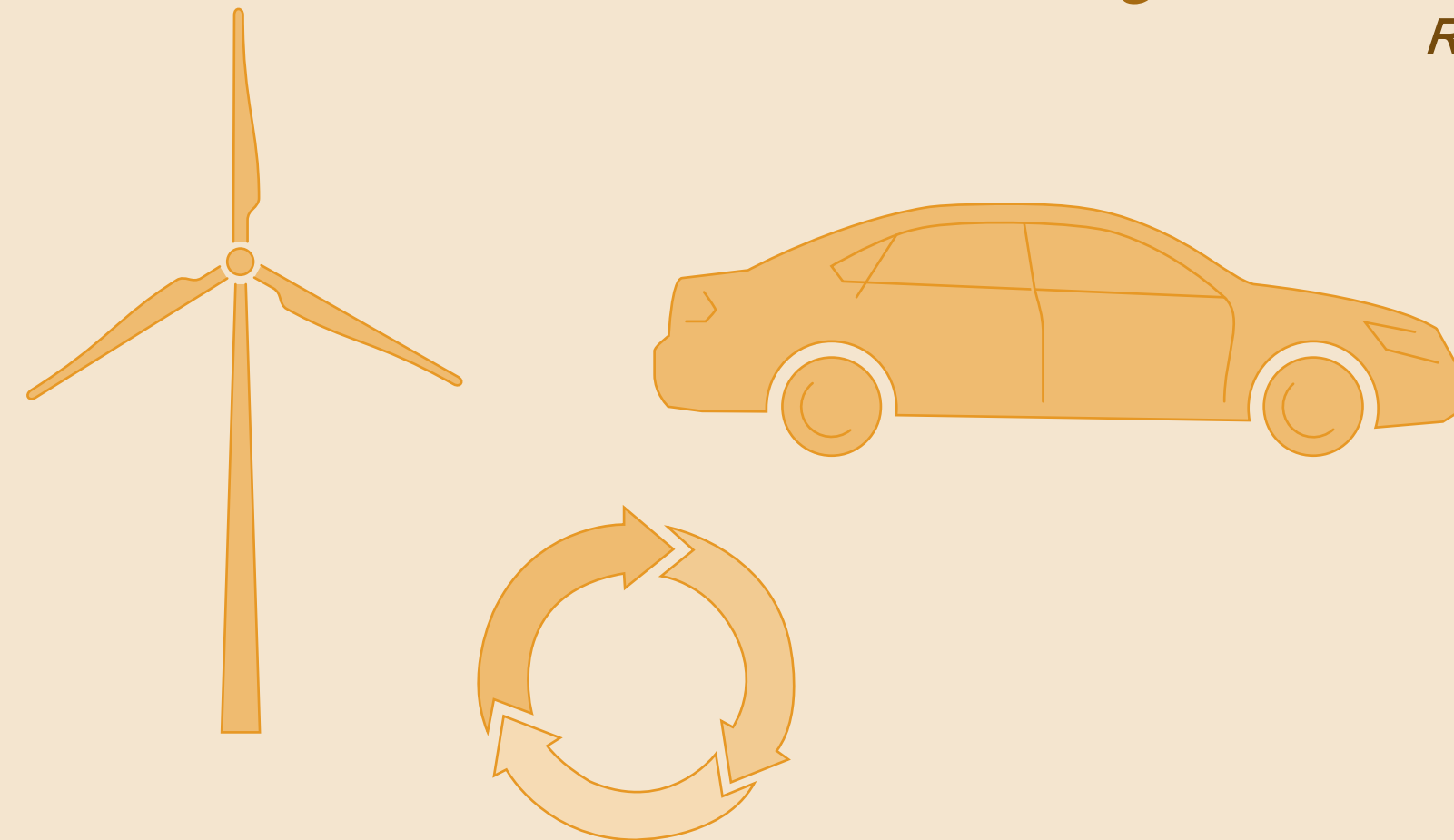
PtX is a way to make this bridge between the renewable energy production and the energy intensive industries. I think this new bridge, this new way of thinking, is another area where both new skills are needed, but also where a lot of engineers are needed.

Respondent, Denmark



To finish all of the projects that are on the table within PtX, then we need to educate more people with chemical engineering skills

Respondent, Denmark





Seven
recommendations
from the report

Analyse

whether the industry's skill
demands match the education
system's teaching



Use

the green agenda to motivate a
diverse group of young people to
start studying engineering



Invest

in upskilling within green
technologies





Create attraction to the energy sector



More wind power-specific training is needed



Upskilling the engineering workforce



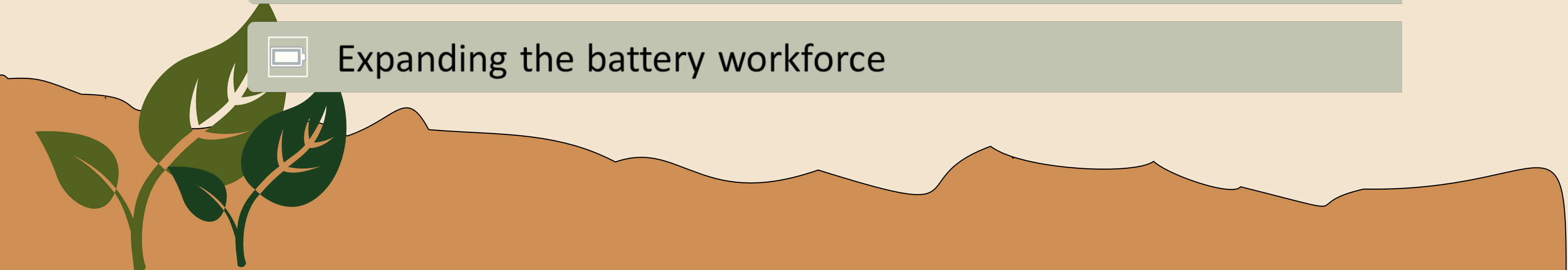
Increased collaboration between academia and industry



Broaden academic focus on climate technologies



Expanding the battery workforce



Increase

knowledge sharing and
collaboration across the region
and sectors



Incentivise

educational and career measures
spanning across the Nordics



H a r m o n i s e

c l i m a t e t e c h l e g i s l a t i o n i n t h e
N o r d i c s t o c r e a t e a b r o a d e r
m a r k e t



A proposed solution: a national counsel of competences

- We propose a national competence council to advise on the future workforce needs
- A response to the challenge of a shortage of qualified labor in Denmark
- Aims to create a balance between different sectors and industries and promote lifelong learning and upskilling
- Inspired by The Economic Councils and consists of experts and stakeholders in education, labor market and employment



Thank you



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