



SHREC
Interreg Europe



European Union
European Regional
Development Fund

Northern Netherlands

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Introduction

- Sr. Lecturer Energy and researcher Energy Law
- IWP theme coordinator Energy Governance
- Coordinator of the Minor Energy Markets and Master Courses

- Co-Founder & Treasurer of VIEN (Association for Women in Energy Northern part of the Netherlands)



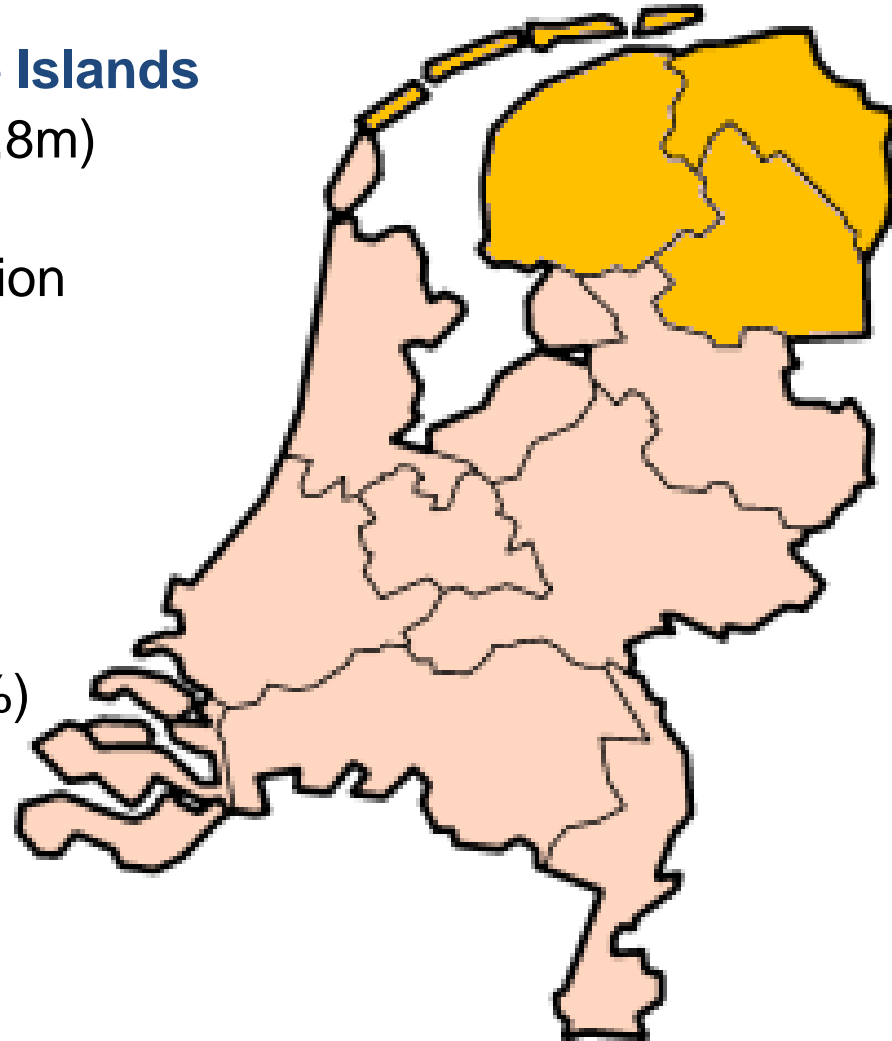
- Board Member Cooperative energy company Energie VanOns



Northern Netherlands

Drenthe, Friesland, Groningen, the Islands

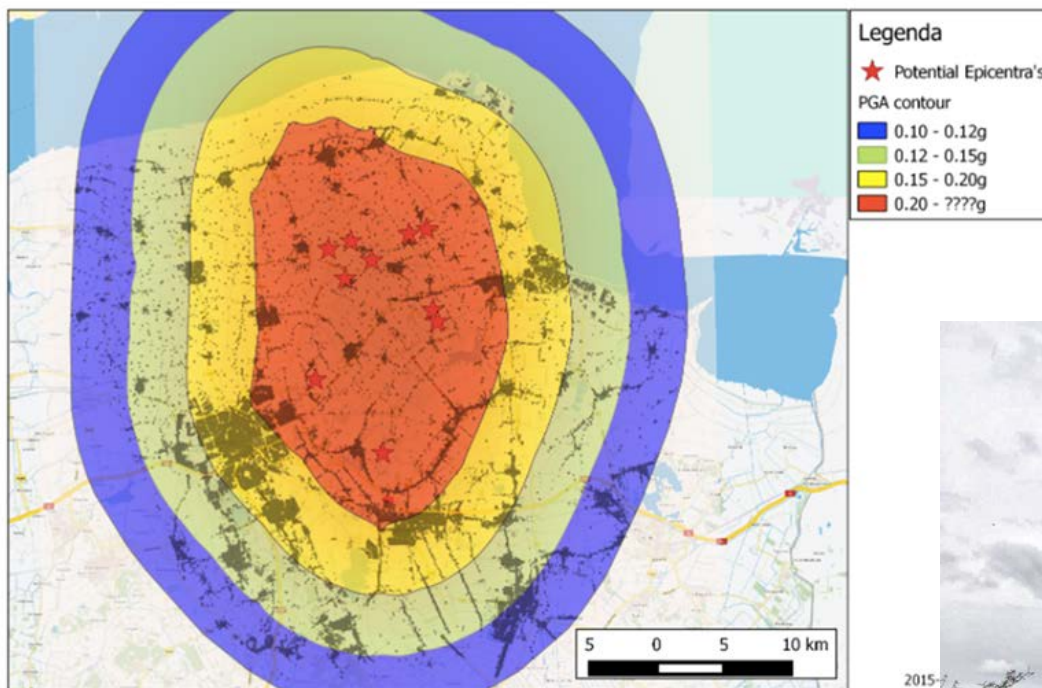
- ~10% of the Dutch population (1,8m)
- Groningen biggest city in the region (number 8 of the Netherlands)
- Leeuwarden = cultural capital of Europe 2018
- Relatively poor in east part (8,6%)
- Average income is 18k
Dutch average is 24k



Natural gas production and earth quakes

Earth Quakes

- caused by natural gas drilling (the Groningen gasfield)



Northern Netherlands



Energy Statistics

Renewable Energy per households:

Over 8% of the households has solar panels

Over 100 local energy cooperatives
Connected in three overarching institutions

Over 30.000 jobs in energy, incl. 7000
In the sustainable energy sector

Gas – roundabout of Europe



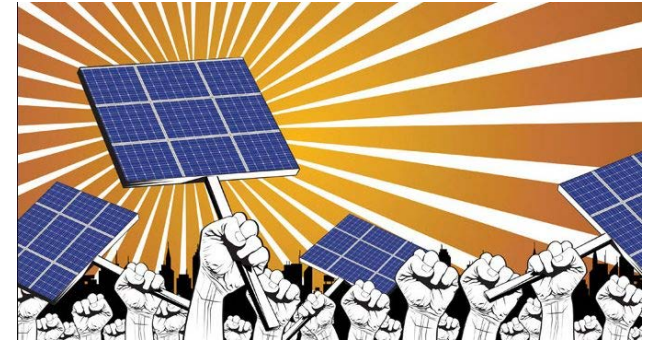
Hanze University of Applied Sciences

(movie)



- **Over 25 European projects are running, 5 leading partner**
- **Relevant projects:**
 - Innoheis (Innovation of Higher Education)
 - TRACS3 (influence of living labs towards SME)
 - Making City (urban energy system transformation)
- **Multiple Dutch projects in cooperation with organizations, government and industries, i.e.**
 - Hydrogen
 - Biogas / Biomethane
 - Circulair Economy

Dutch Energy Policy

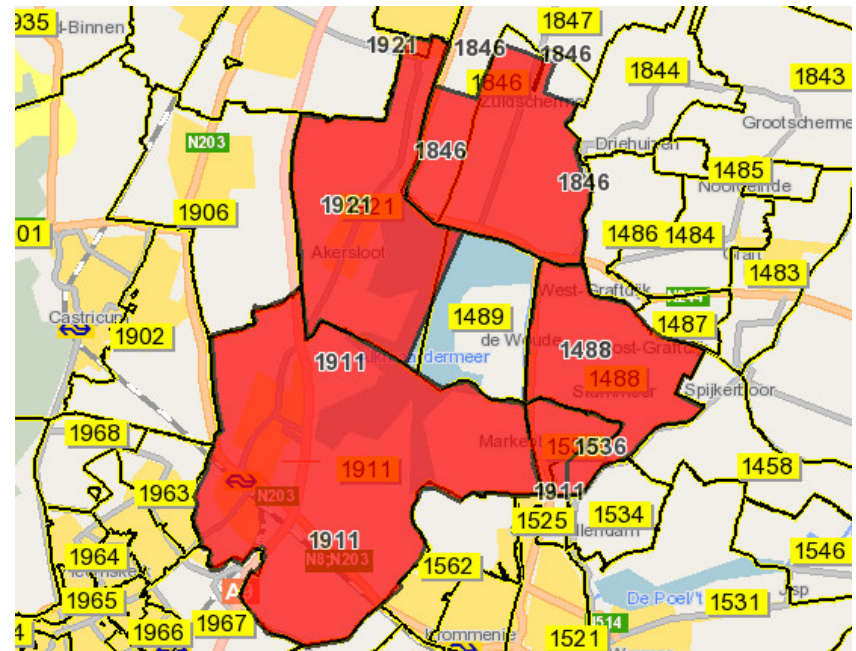


- **National Climate Agreement**

- Regional Energy Strategies
- Transition vision Heat

- Upcoming Environmental Act per 2021
 - Covers over 26 different Acts and decrees
- Transition Decree

- Zip Code Arrangement
 - Reduced tax tariff





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Thank you!

Questions welcome

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