# Renewable energy transition for Fejø, DK







#### Fejø island:

- 450 inhabitants
- 16 km2
- Mainly farming especially fruit
- Located south of Denmark

## Content for Fejø in EU project



- New and effective wind turbine(s) to replace two existing small wind turbines
- 2. Installing heating pumps and rooftop solar
- 3. Energy community
- 4. Energy storage
- 5. New electrical ferry to replace old diesel



## What would Fejø citizens get from project?

## ct?

#### **Economical benefits for Fejø citizens**

- Cheaper electricity
- Econimical beneficial replacement of fossil heating installations
- Solar installations to replace old toxic plasterboard roof
- Possibility to rent your private roof and get income from that
- New electrical ferry to minimize
  maintenance compared to existing diesel
  ferry and thus increase robustness on
  ferry transport

#### Climate and energy self-sufficiency

- Less polution of air, water and land
- Pro-active fight climate changes with benefits for environment and nature
- Attract new citizens
- Prepping meaning self-sufficiency on energy in potential future global crisis
- Solve our part of renewable energy and not sending potential harm to other parts of Denmark

## Hvad kan Fejø beboerne få ud af projektet?

Possible examples of benefits from a future green fond with funds from the energy community:

- Buy land and plant trees/convert to wild nature
- Convert our two harbours to more attractive green harbours
- Establish a local clean water facility
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### Concerns



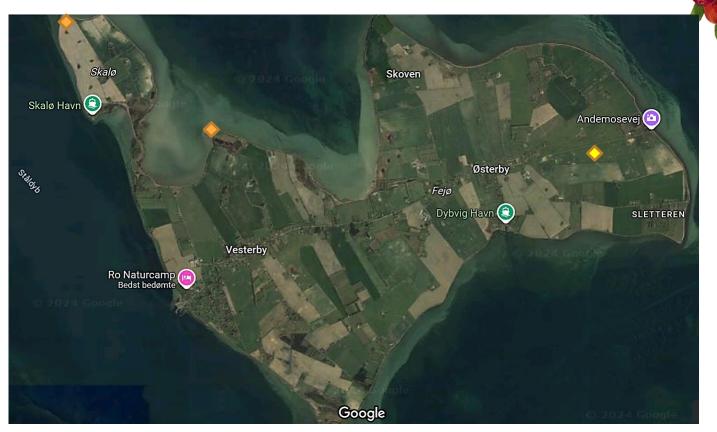
- Wind turbines are noise not in our backyard
- Wind turbines visually destroy our existing beautiful landscapes
- Bird and animal life are disturbed (Natura2000)





- "Iron fields" not popular due to visual aspect
- Potential impact on animal life and biodiversity?

Possible wind turbines locations



## User engagement campaign

#### **Local community**

- 5 vision meetings over 12 months conducted (2 more scheduled)
- Island vision plan developed,
  with energy being one element
- Communication about above in writing in local island paper and mailing list



#### **Municipality/National bodies**

- Continuous meetings taking place both in administrative and political parts
- Collaboration with Samsø to handle national political stakeholders

## Renewable energy – decision process

- Possible locations to be shared and discussed with local community on Fejø
- Actual location to be analysed via Environmental Impact Assessment
- Most likely dispensations will be needed from Natura2000 and/or 300 meter coastal line regulation
- Municipality to prepare new local plan, which must be handled politically and a hearing to be conducted before approval
- Ownership model and funding options to be explored and agreed

