

Energie Samen

Cooperating citizens in the energy transition

Energie Samen = Energy Together



- The Dutch umbrella and interest group of energy cooperatives and associations
- National cooperation of citizens energy cooperatives and associations
- Founded two years ago, roots in the 80's

Our services



Buurtwarmte – Support citizens' heat projects



Econobis – backoffice system for crowdfunding, administration, and accountancy



Wind en Zon – Project management and financing large scale community solar and wind projects



Zon op Nederland – Support small scale solar projects: collective solar roofs



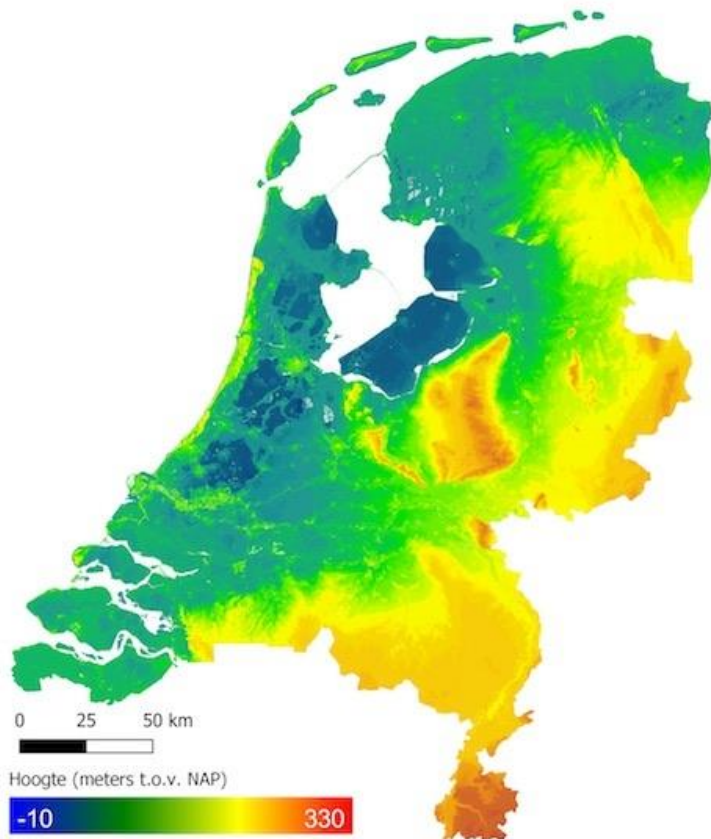
Flex- Research and support for opportunities in cooperative flexibility projects



Academie- Knowledge platform of citizens initiatives in the energy transition
Developing and sharing knowledge

“Polderen” in The Netherlands

The ultimate cooperative transition



The Netherlands: height in meters
relative to sea level



Dutch Community Energy target:
50% community ownership of onshore wind and
solar installations



Why did everybody agree to a community energy target?

- ✓ Project developers and national governments looked for a way to get social acceptance for renewable energy
- ✓ Municipalities looked for a way to keep profits in the community
- ✓ Renewable energy coops wanted all above plus ownership and democracy on energy and profits to reinvest in the community



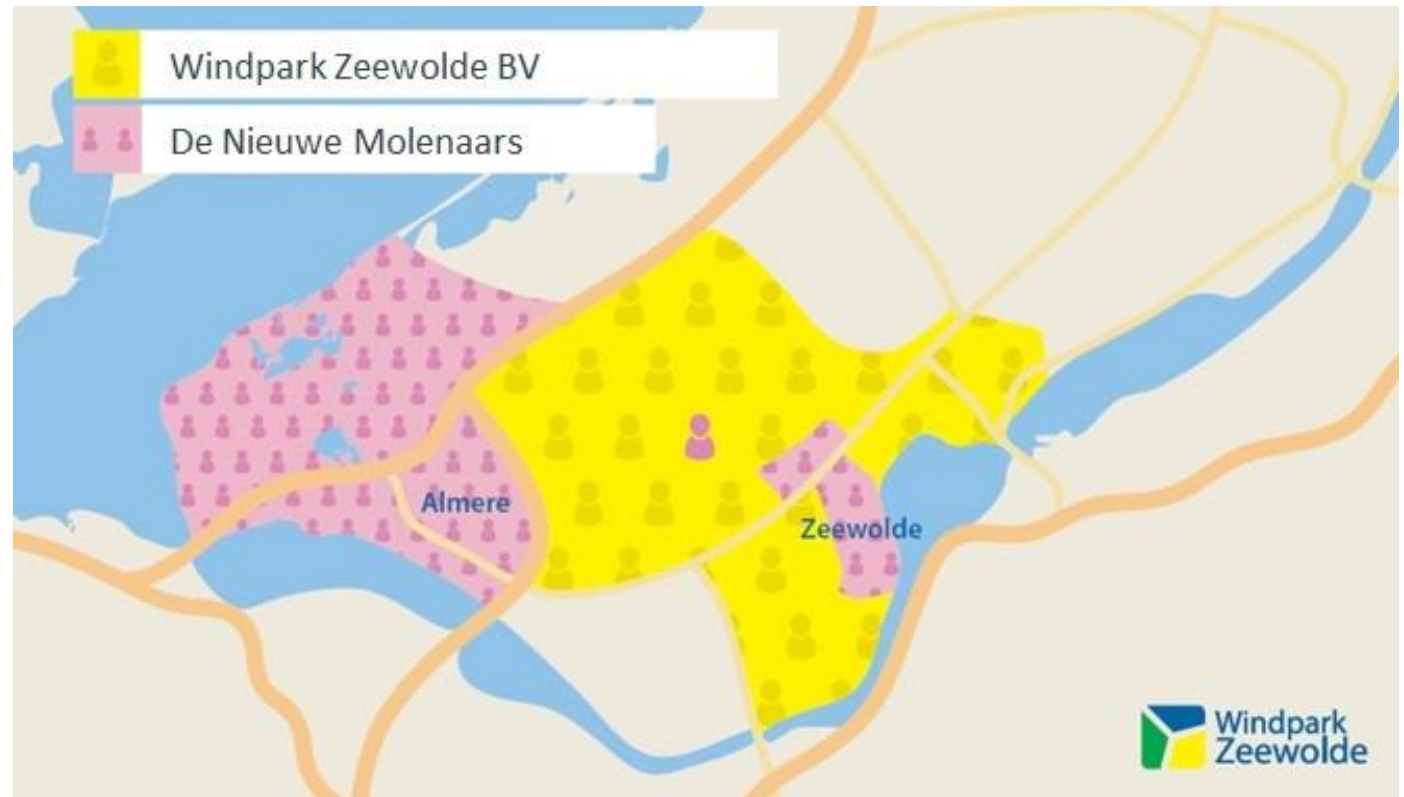
Greatest example of the Netherlands/Europe

Zeewolde Wind farm - largest community owned wind farm in the world



Zeewolde Wind farm

- ✓ Everybody can participate
- ✓ Everybody is treated as equal
- ✓ No jackpot, everybody wins
- ✓ Social cohesion



Zeewolde Wind farm

- ✓ 220 old wind turbines demolished by 2026
- ✓ Replaced by 91 new wind turbines (permits received)
expected construction in 2021.
- ✓ Total capacity: 350 MW
- ✓ Total investment: aprox. €350.000.000
- ✓ 200 landowners and owners of the old windturbines
develop the project.
(98% participation)
- ✓ 156 citizens (numbers are still growing) from surrounding
villages are participating



Facilitating Framework Energy Communities

- Transposition definitions
 - ✓ Non binding Community energy target 2030: 50% community ownership
 - ✓ Knowledge platform for start up cooperatives (HIER opgewekt)
 - ✓ Feed in premium Tariff for energy cooperatives
 - ✓ Development fund for energy cooperatives
 - ✓ Monitoring and data-analysis for current status and future needs : Fte and capital
- Standardization of contracts, procedures and debt fund for small projects in cooperation with the financial sector
- Energie Samen Academie – company school to train future employees (from job to job)



Transposition

- Simple definition that combines CEC and REC
- Liberalised market access with low threshold to any organisation form
- Needed to take up a definition from Europe (consumer protection)
- Looking at energy sharing (no permit) instead of supply (need permit) for REC.



Non binding community energy target 2030

50% community ownership new large scale wind and solar projects

- 2019 Climate agreement (Multiple stakeholder consultation)
- 5 consultation tables, electricity, housing, industry, mobility, agriculture
- Energie Samen a seat at the elektricity table.
- Negotiated “streven” / Ambition of 50% community ownership in 2030.
- Non binding on a National level
- Municipalities can choose through local planning policy to make it binding.
(Complicated legal discussion on planning law going on)



Energie Samen Academie

- We now have regional academies - Local energy cooperatives training projectleaders for cooperative project development
- We want/need to scale up in order to get the FTE's needed to reach community energy target
- Hoping/looking for governmental financing. (Crisis funding for job to job training)



Knowledge platform for start up cooperatives

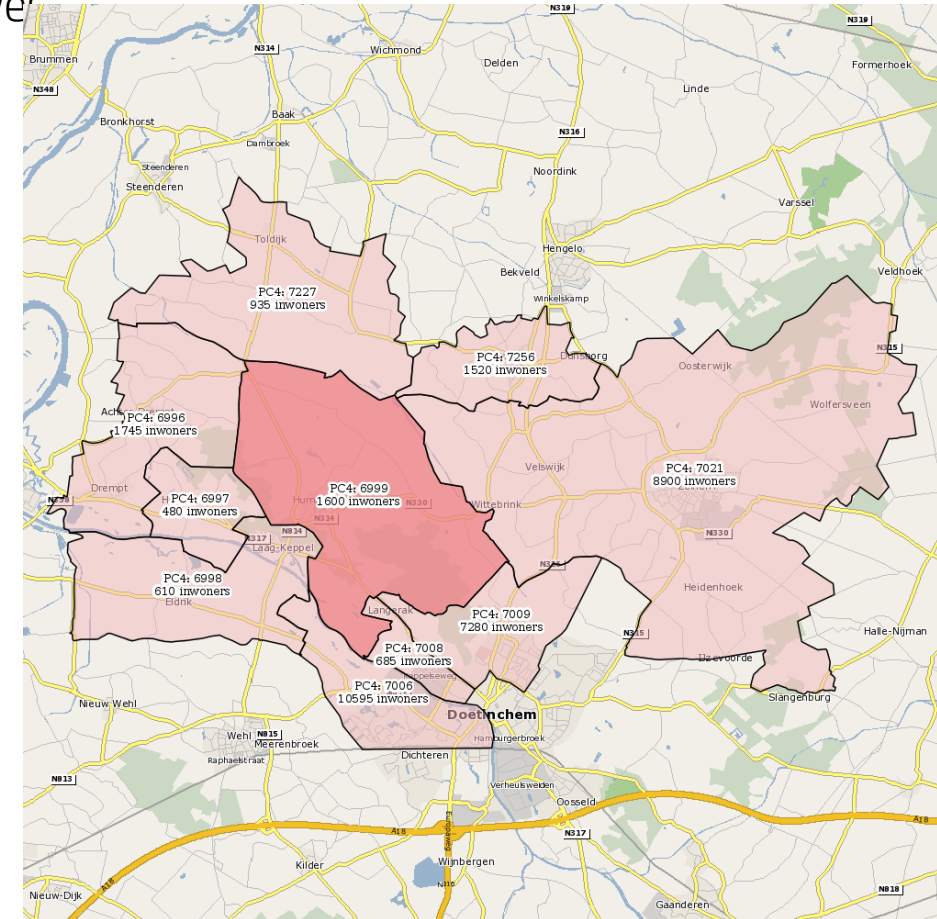
- Financed in 2013 by DSO's (had no capacity to help citizens asking questions) and Municipalities (same reason)
- Website, monitor, knowledge files, helpdesk
- First line of information



Feed in premium Tariff for energiecooperatives

- Used to be regulation for tax return for members of energy cooperatives
→ too complicated, too much administration
- Now simple subsidy scheme: **feed in premium**
- Only voor energy cooperatives
- Cooperative members need to live in the same “Postcoderoos” (postal code rose) → *see image*
- Projects <500 kWp
- 14.6 cent/kWh guaranteed for 15 years
- 37 milion euro (maybe 100 milion euro a year)

Postal code rose



Development fund for energy cooperatives

- Agreement in climate agreement to reach community energy target.
- National Government (10 mil) 4 provinces (1 mil/prov) 14 million euro
- 4 Provinces participate now, goal: all 12 provinces on board.
- Based on Raiffeissen principles – self help, self government, self responsibility ---
 - Energie Samen (coop of coops) → executive management.
 - Groenfonds (Governmental fund) → control and finance management.
- Goal is empower (not “ontzorgen” Unburden) → We want strong cooperatives



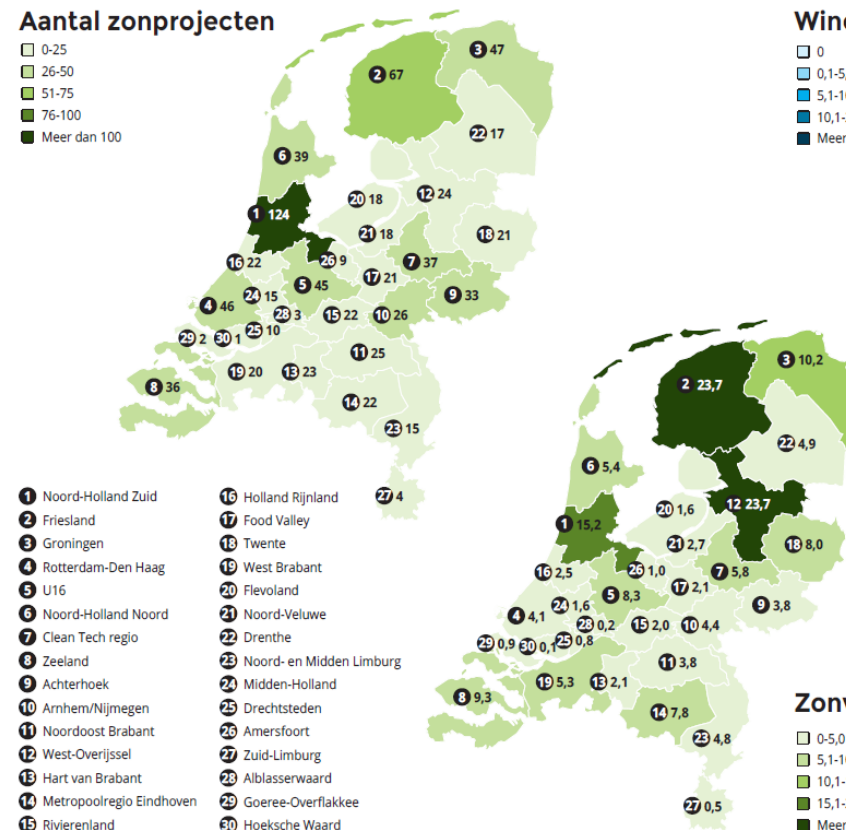
Monitoring of current status

- Governmental monitoring on participation focussed on community energy target
- Yearly sectoral monitoring of energiecooperatives (lokale energie monitor.)
Financed by government executed by the sector.
- Own analysis of regional strategies for the energy transition. (30 regions)

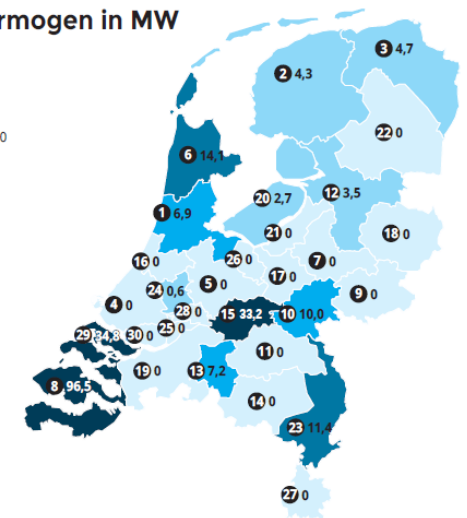
Coöperatieve zon- en windprojecten per RES-regio

De stand van zaken in 2020

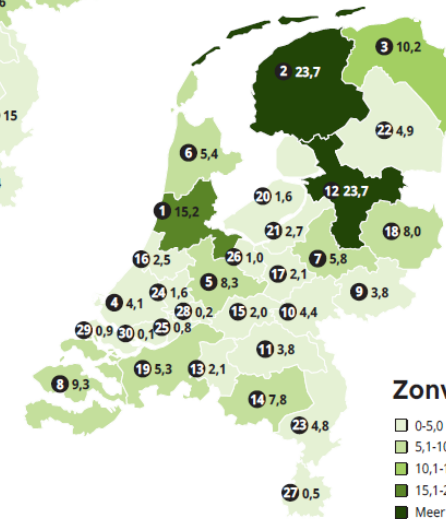
Aantal zonprojecten



Windvermogen in MW

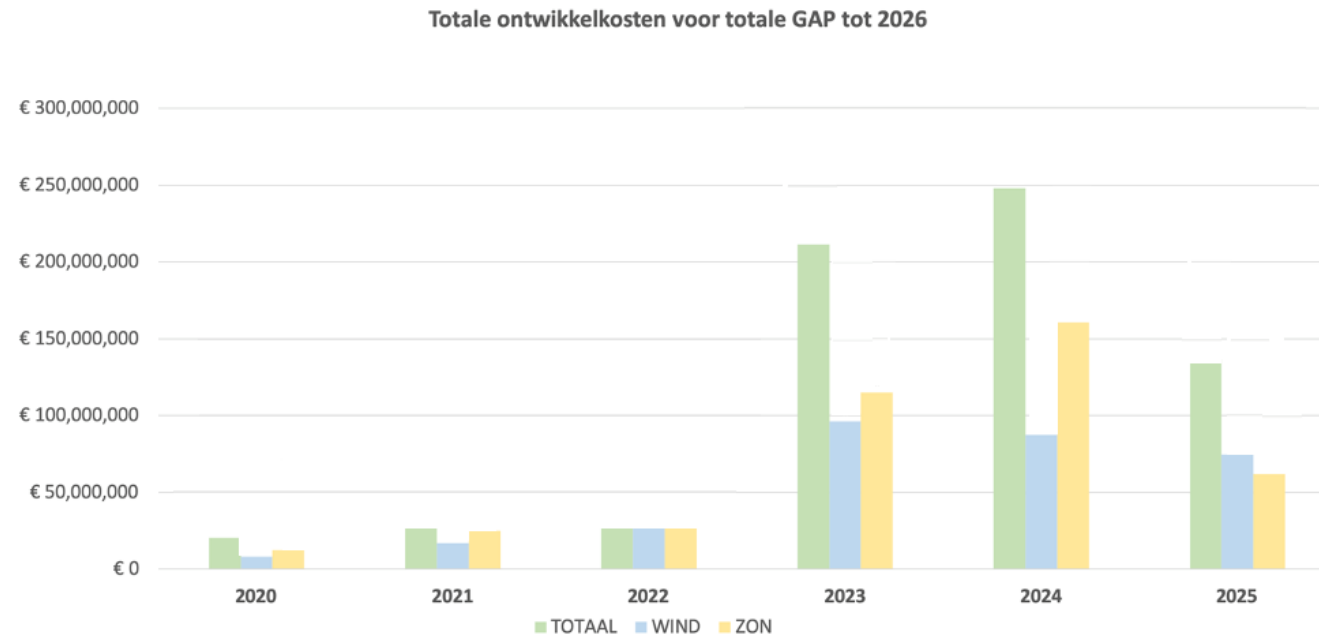


Zonvermogen in MWp



Monitoring and data-analysis of future needs : Fte and capital

- Working with data analysts of Cooperative farmers bank: Rabobank
- Looked at IST 2020 and SOLL 2030
- See how much equity, debt, fte is needed
- Per region
- Potential households that can and want to invest
 - There were there is more capital needed than potential- find solutions
- Result: we know what we need to organise!



Access to capital for cooperatives

Standardization of contracts, procedures and debt fund for small projects

→ in cooperation with the financial sector

- RED II: facilitating framework. Access to financing (Hernieuwbare energierichtlijn december 2019. Art 22.4g)
- We initiated to contact three banks ourselves.
- For projects < 3 million euro.
- 30 million euro per year available
- Energy Samen: fund management (checks on application and support)

