



Energy Communities and the Role of RVO in the Dutch Energy Transition

- > ENR Network November 2022
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Introduction

- ✓ The Netherlands Enterprise Agency (RVO) is a department of the Dutch Ministry of Economic Affairs that implements government policy for sustainability, innovation, international business and cooperation.
- ✓ It is the contact point for information and advice, financing, networking and regulatory matters.
- ✓ It implements policies and executes supporting schemes for different Ministries concerning R&D, deployment and supporting local parties.
- ✓ It also monitors and evaluates these programs.

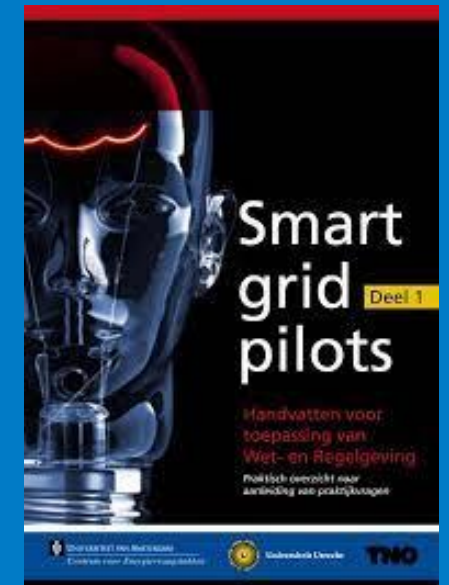


- > Technical Learning Curves (R&D) > LCOE
- > Institutional Learning curves
 - Guidelines Law & Regulation
 - Regulatory Sandboxes
 - Standards & Interoperability
 - TIS Analysis (innovation systems)
 - Supporting Local Initiatives
 - Municipalities
 - Regional Energy Strategy Regions (RES)
 - Demonstration projects
- > Streamlining Value Chain
 - We are not so good at this one in Europe so far (IPCEI)

Innovation = Learning curves

Handbook Law & Regulation

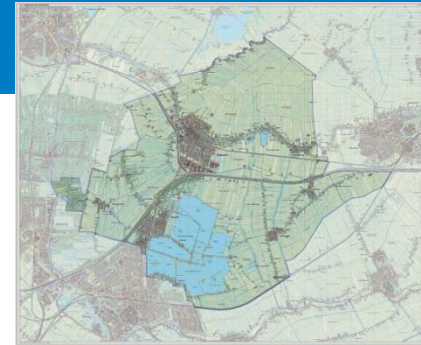
RES Region Netherlands





Regulatory Sandboxes; granted experiments 2016:

- ❑ Vereniging Schoonschip, Amsterdam
- ❑ Energiecoöperatie Villa de Verademing, Den Haag
- ❑ Coöperatieve vereniging De Windvogel, Bodegraven-Reeuwijk
- ❑ VvE Noordstraat 111, Tilburg
- ❑ VvE Aardehuizen, Olst



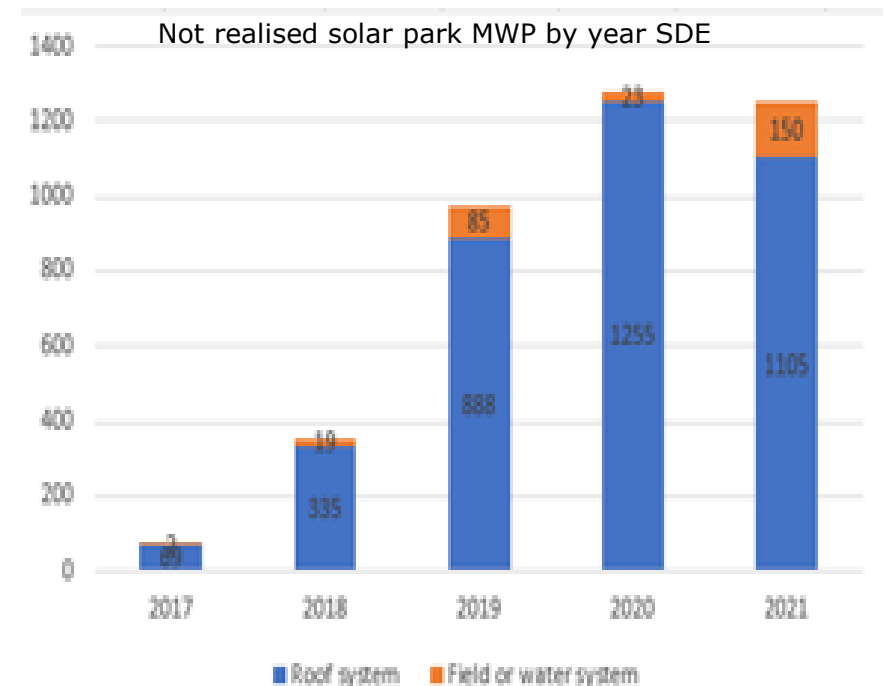
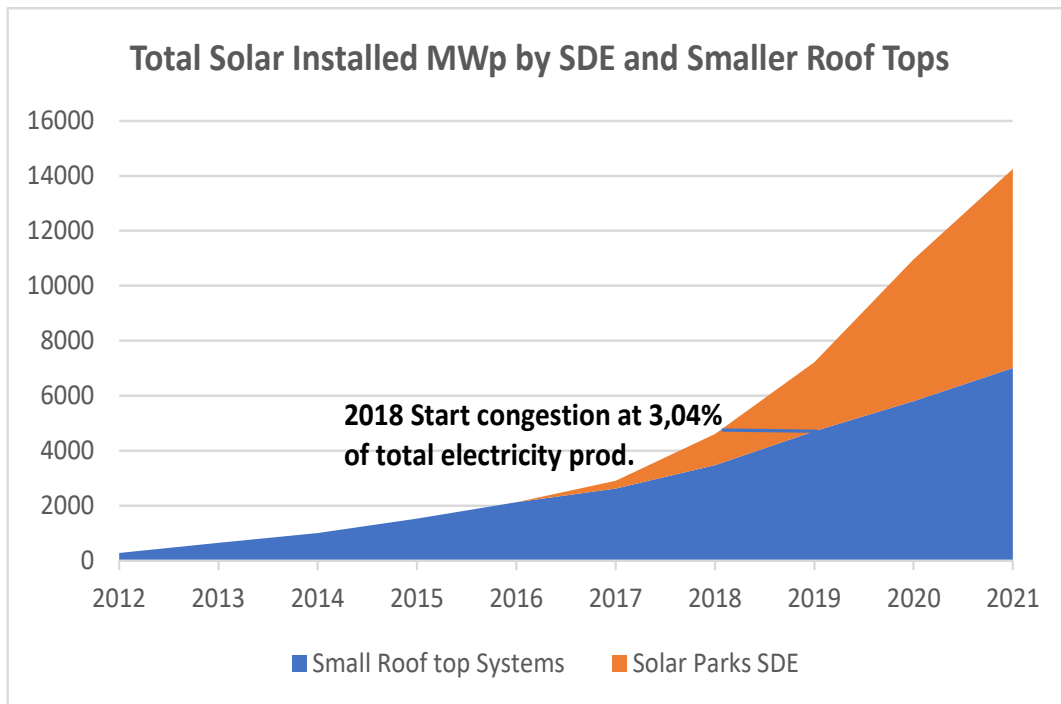


Local energy initiatives are 75% Solar, alongside Wind and District Heating.

676 Energy Cooperatives active in 84% of all the Municipalities (source: Hieropgewekt Lokale Energie Monitor 2021)

Solar Production Cumulative is 217 MWp or between 1-2% of total installed capacity solar in 2021

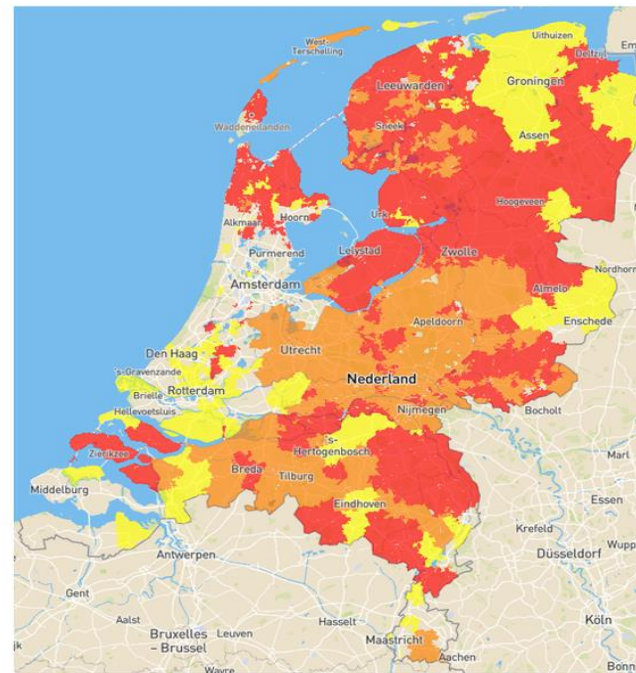
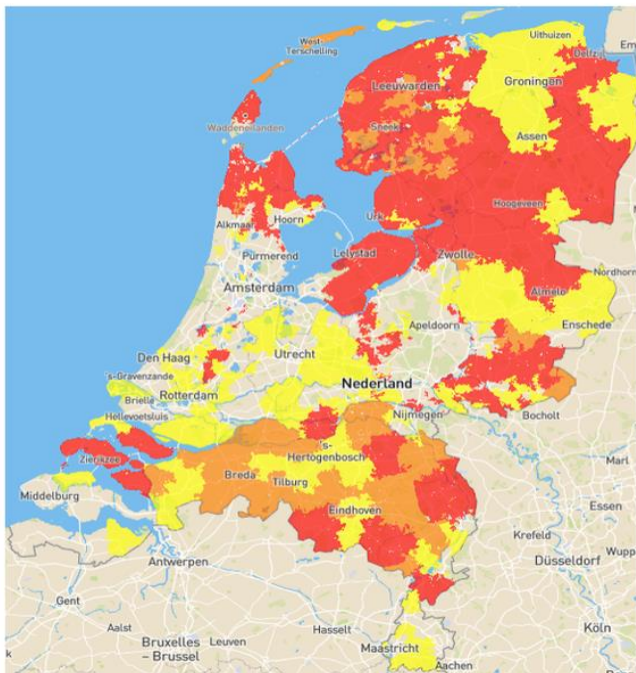
(Sources; CBS Statline May 2021 and RVO Solar monitor)





Grid Congestion in Juli and December 2021

(Source Netbeheer Nederland 2021)



The installed solar capacity, back log in solar parks and congestion are plotted in time, and can be taken as a measure of the discrepancy between technological and institutional learning curves.



Towards Digital, Decentralised Renewable Energy Systems

Anticipation of the nearby future is key, to avoid a deadlock, and new market roles, planning tools and local initiatives are needed to make this happen, besides grid reinforcement.

RVO is there to help out.

