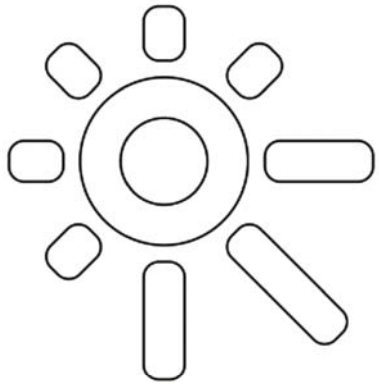
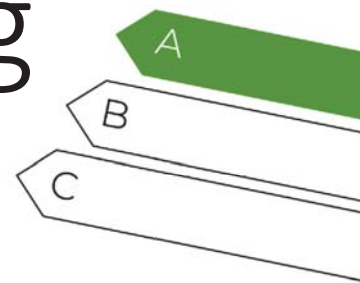
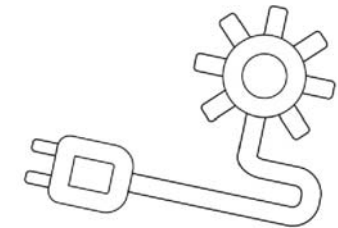
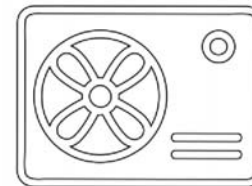
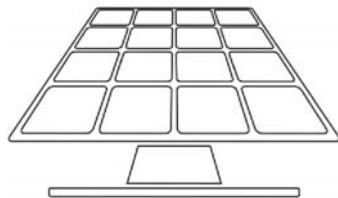


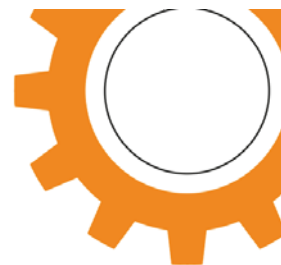
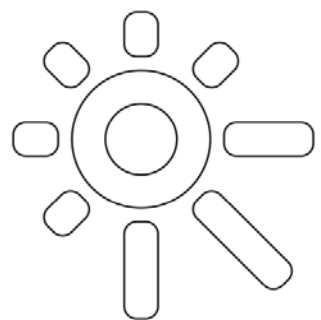
Samen maken we de omslag

Visie op de Concept RES ZL

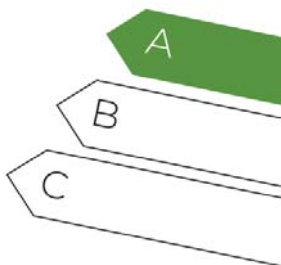
Plan voor eigen Zonneweiden Voerendaal

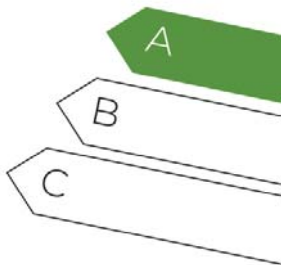
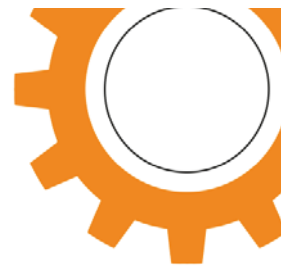
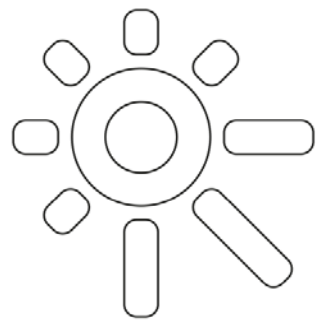
18 november 2020





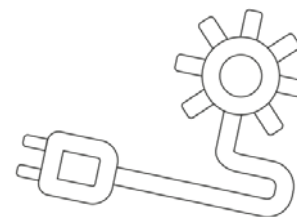
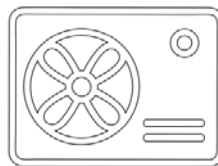
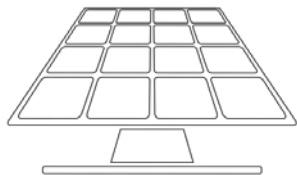
Wie zijn we?

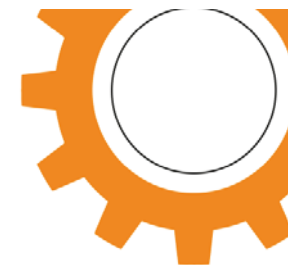
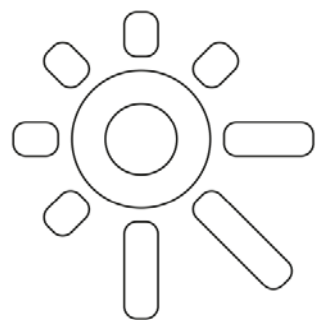




Programma

- Visie op de concept RES Zuid-Limburg
- Coöperatief eigendom
- Presentatie zonneweide 'de Steenenis', 100% cooperatief
- Aankondiging zonneweiden 50%

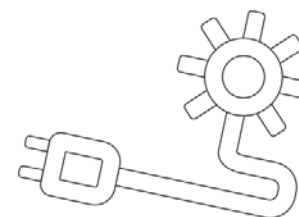
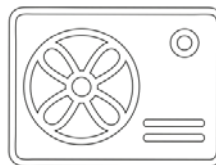
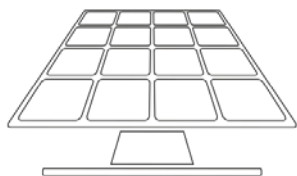
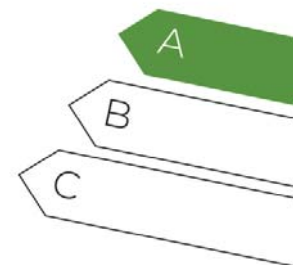


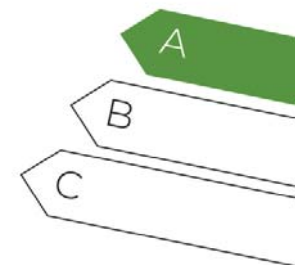
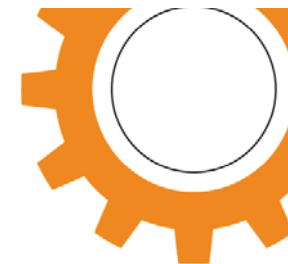
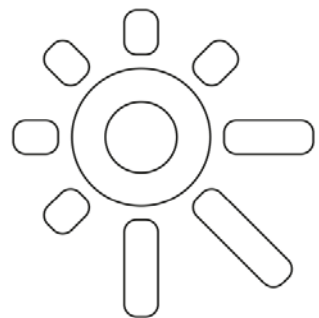


Regionale Energiestrategie

- 49% CO2 reductie
- 30 regio's
- Strategie tot 2030
 - Energie opwek 35 TWh/j
 - Besparing
 - Warmte

Regio's op de kaart





De concept-RES Zuid-Limburg

- Inhoud

- Dik: 210 pagina's intensief cijfer- en redeneer werk

- Drie sub Regio's

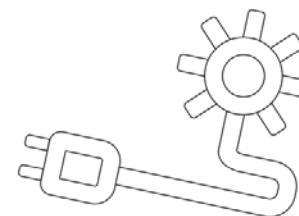
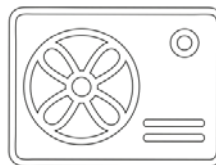
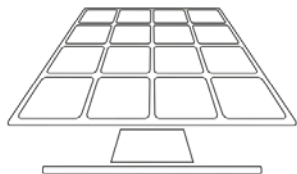
- Maastricht-Heuvelland, Sittard-Geleen, Parkstad

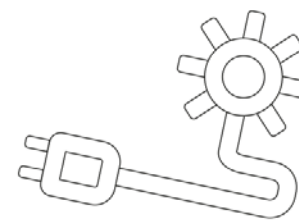
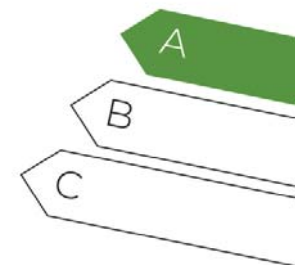
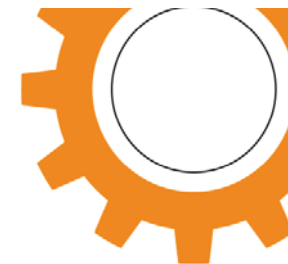
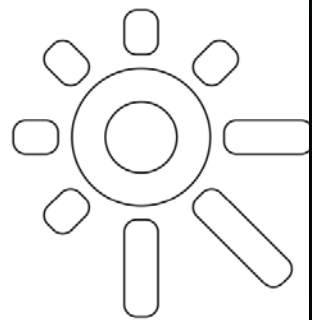
- Aanbieding grootschalige energieopwekking

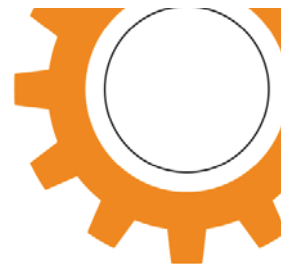
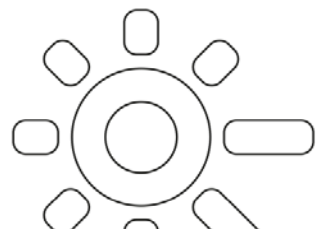
- 1,1-1,9 TWh

- Burgerparticipatie

- Coöperatief eigendom is niet verplicht



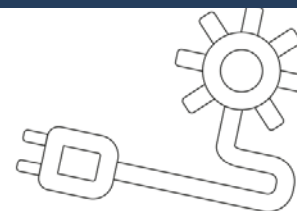
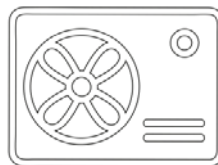
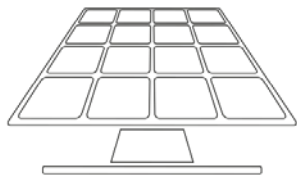
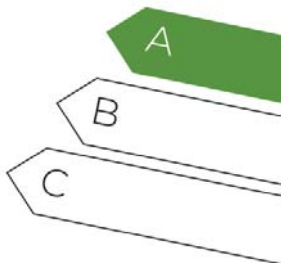




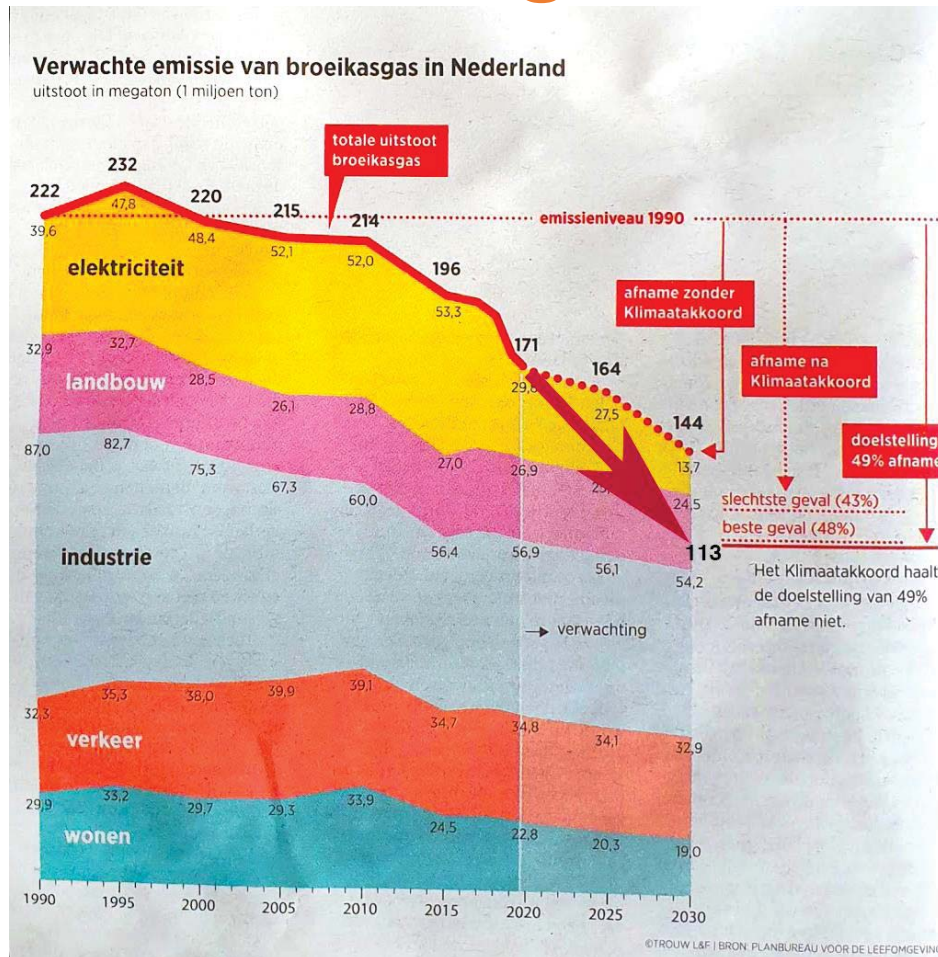
Zuid-Limburg
RES Regionale
Energie
Strategie

Op naar een duurzamere regio!

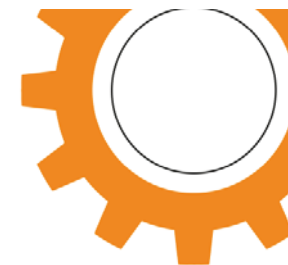
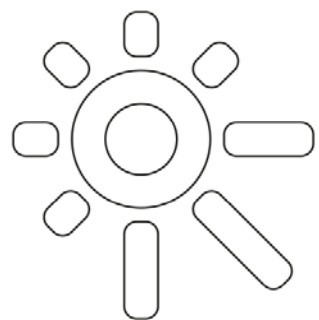
We werken in Zuid-Limburg samen aan plannen voor de energietransitie. Zo maken we samen met inwoners, bedrijven en maatschappelijke organisaties vaart met de verduurzaming van onze energievoorziening waarbij we de landschappelijke kwaliteiten van de regio zo veel mogelijk respecteren. De opgave is groot, net als het belang. We werken met elkaar aan een toekomstbestendige regio, met respect voor mens, natuur en milieu. Alleen in een intensieve samenwerking kunnen we de gestelde doelen halen.



Ontwikkeling CO2 uitstoot



sector	2020 %	2030 %
industrie	33	38
elektriciteit	17	10
landbouw	16	17
wonen	13	13
verkeer	20	23



Het aanbod van Zuid-Limburg

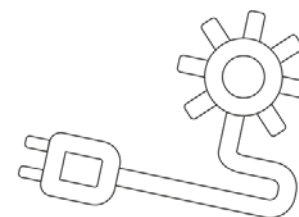
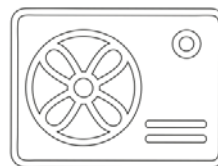
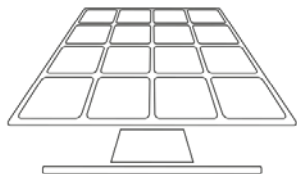
Duurzame elektriciteit

2025!

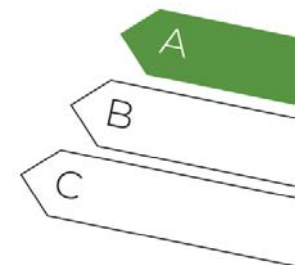
Op basis van de eerste onderzoeken en analyses in de concept-RES denkt Zuid-Limburg in 2030 een bijdrage tussen de 1,1 en 1,9 TWh te kunnen leveren aan de landelijke opgave van 35 TWh. Een deel van deze opgave is al gerealiseerd in de regio. De projecten die nodig zijn voor de restopgave moeten in 2025 een vergunning hebben gekregen en in 2030 gerealiseerd zijn.

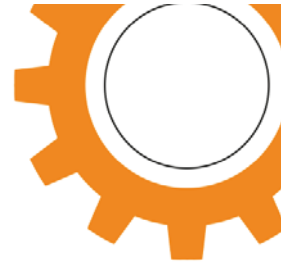
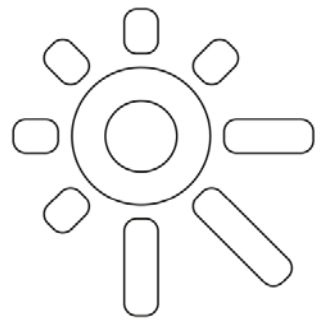
- 0,05 TWh duurzame energie wordt al opgewekt in onze regio. Vooral door zonnepanelen op daken.
- Een deel (0,19 TWh) staat al in de planning. Naar verwachting wordt het merendeel gerealiseerd door zonnepanelen op daken en parkeerterreinen en de rest wordt gerealiseerd door zon en wind op land.
- Er blijft dan nog tussen de 0,84 en 1,6 TWh over. Hoeveel we hiervan gaan realiseren is afhankelijk van de keuzes die raadsleden, op basis van input uit de omgeving, maken over waar windturbines en zonnepanelen gerealiseerd kunnen worden.

RAAD AAN ZET



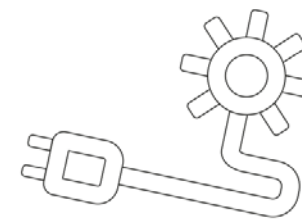
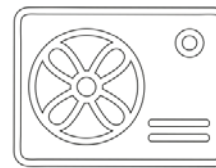
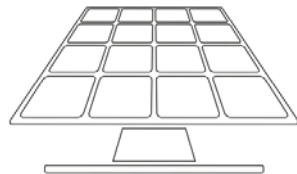
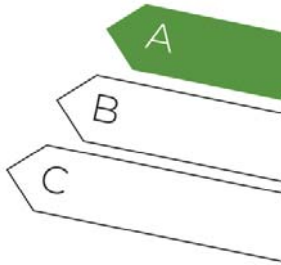
	TWh
Al gerealiseerd	0,05
In de planning (SDE-subsidie aangevraagd)	0,19
Restpotentie op basis van ruimtelijke mogelijkheden en politieke keuzes	0,84 – 1,6
Totaal concept bod voor 2030	1,1 – 1,9



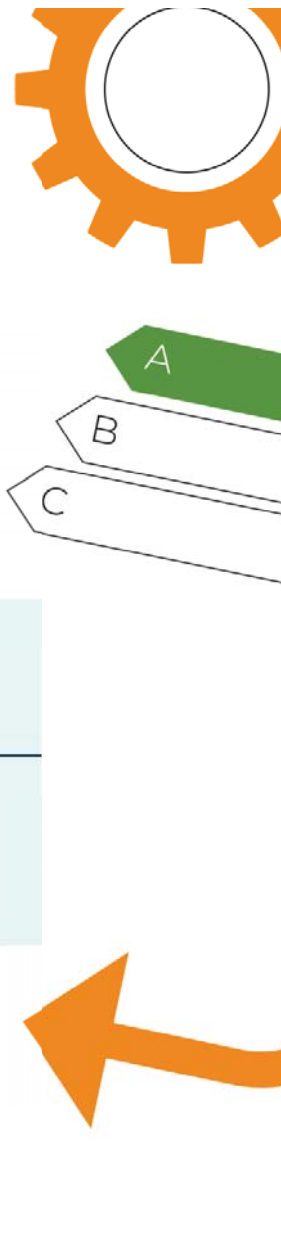
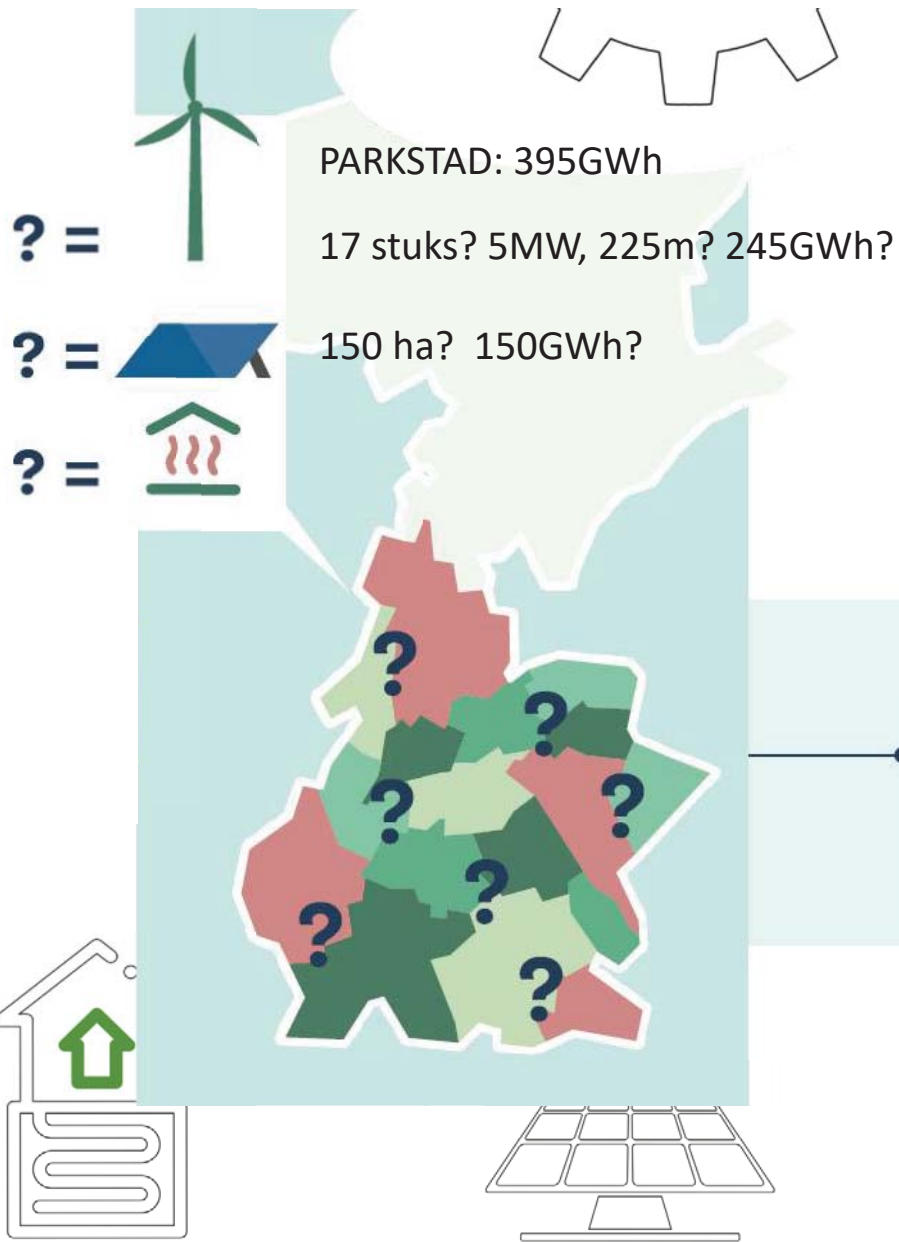


1,5TWh hoe veel is dat eigenlijk?

- 600.000 inwoners
- 650km²
- 1.500.000.000kWh
- = 2500kWh/inw
- = 425.000 huishoudens
- = 150 windmolens, 1500ha zonneweiden
- = € 1 miljard

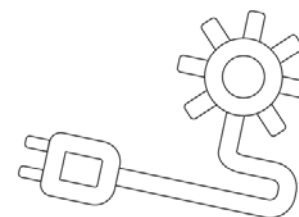
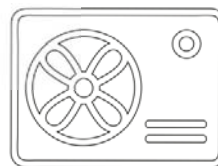
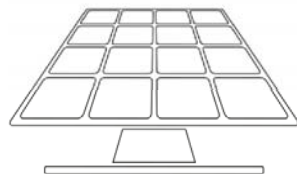
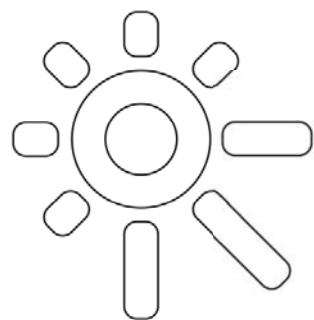
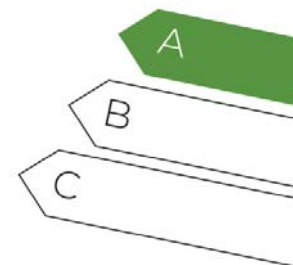
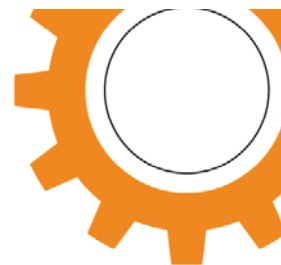
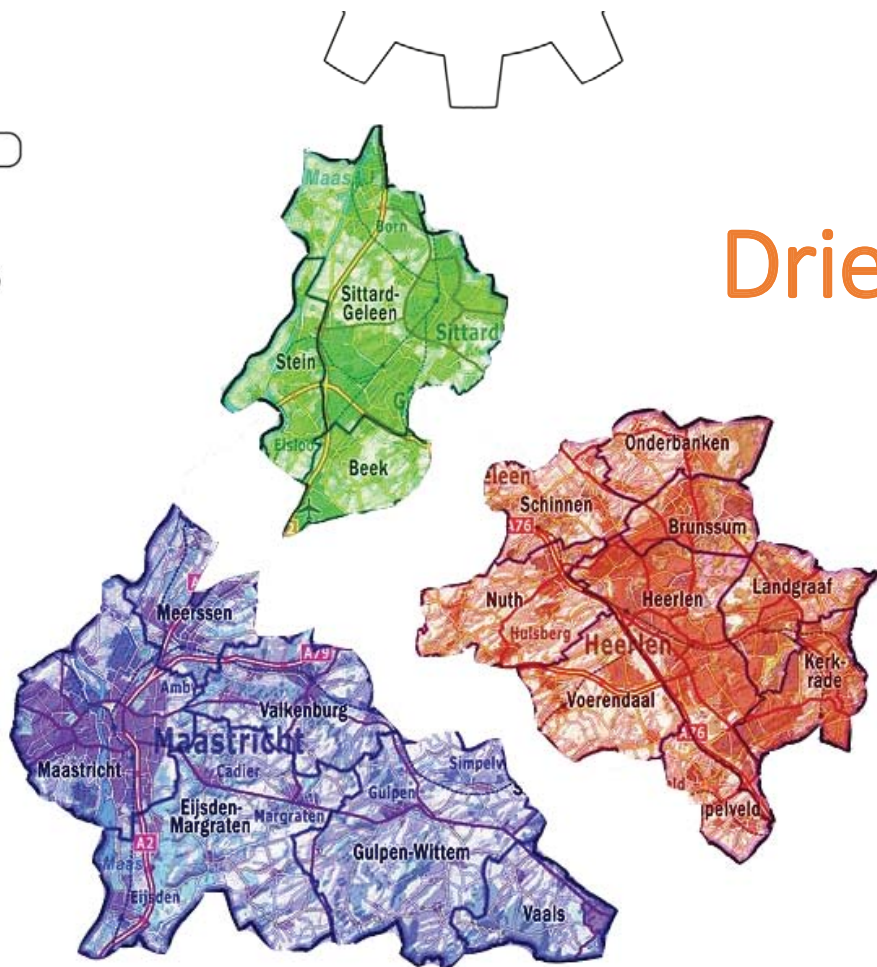


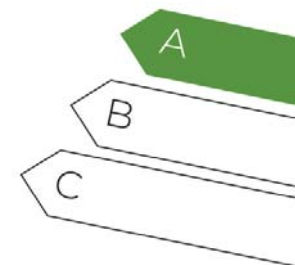
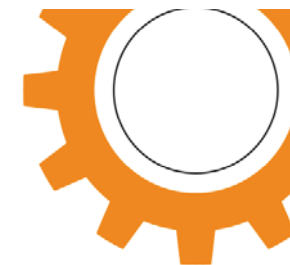
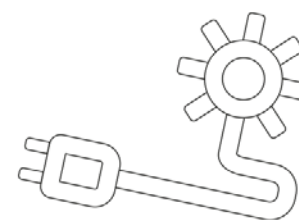
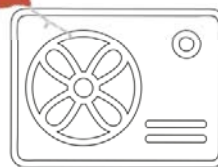
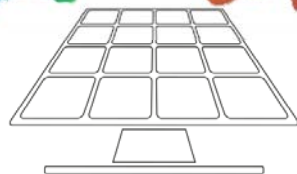
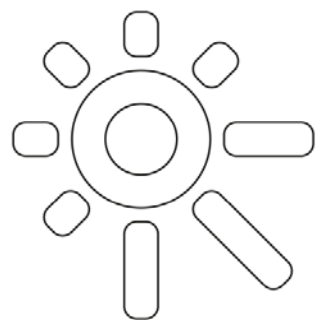
Beslissen



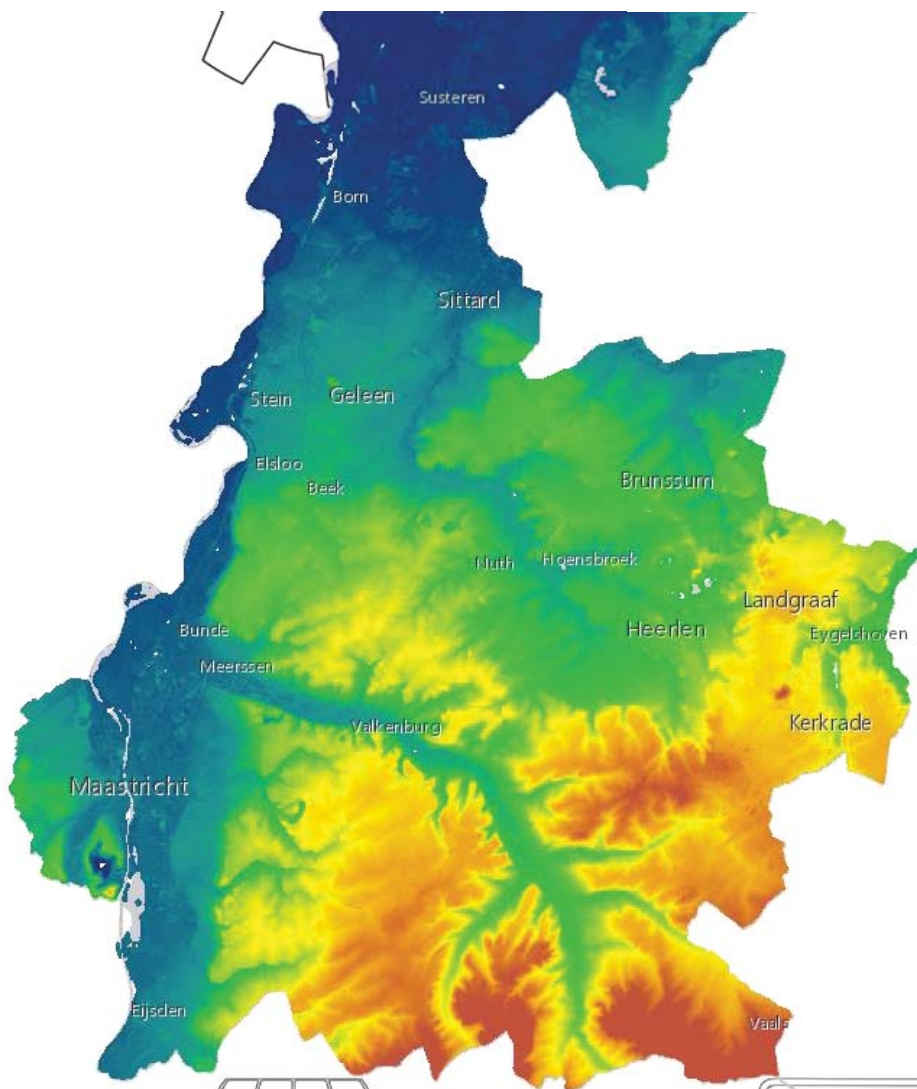
Driedeling

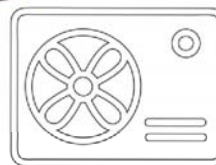
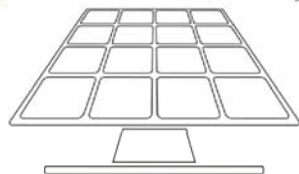
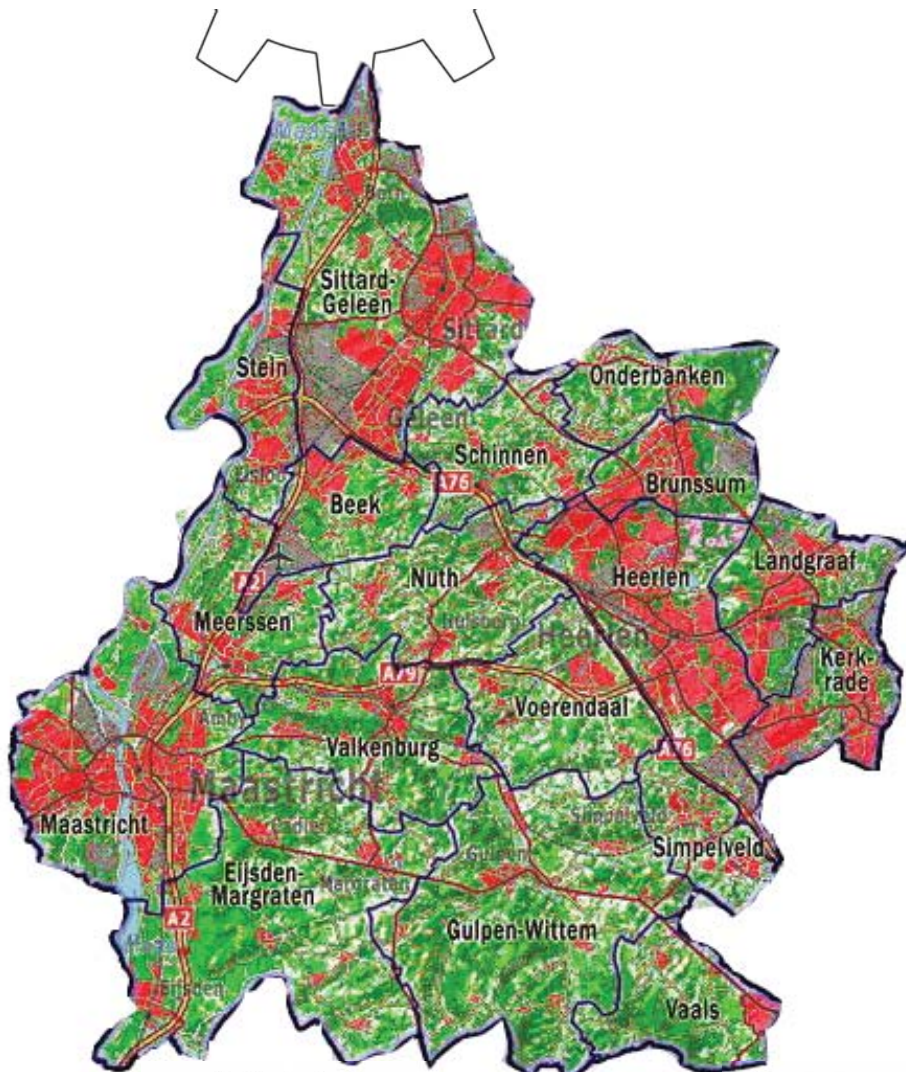
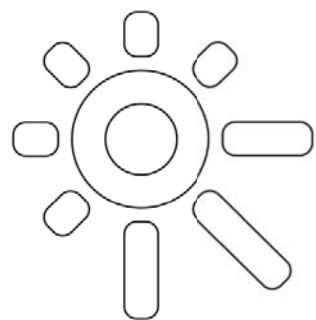
- Bedrijven?
 - Stad?
 - Land?
-
- Ieder 'zijn' ding?
 - Samen-Werken?



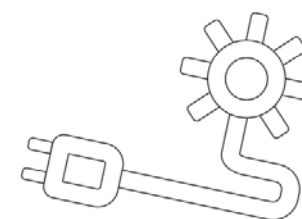
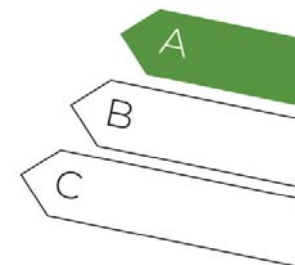
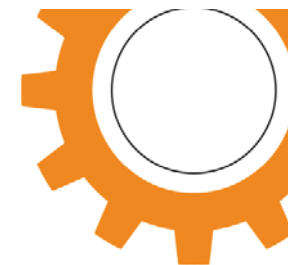


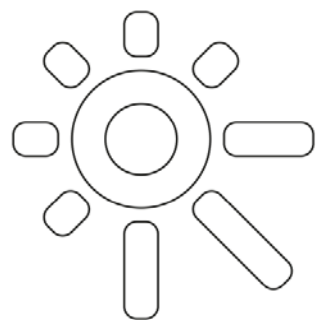
Kostbaar



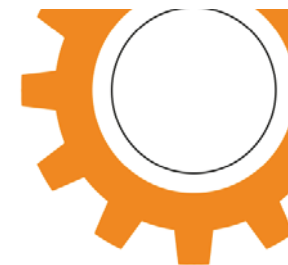


Aardrijck

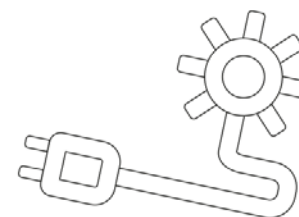
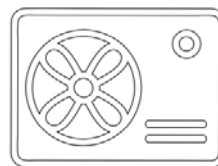
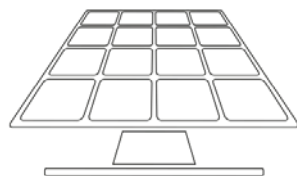
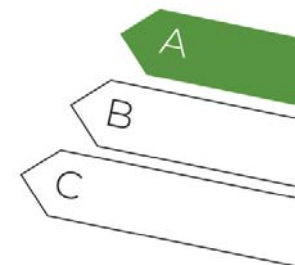


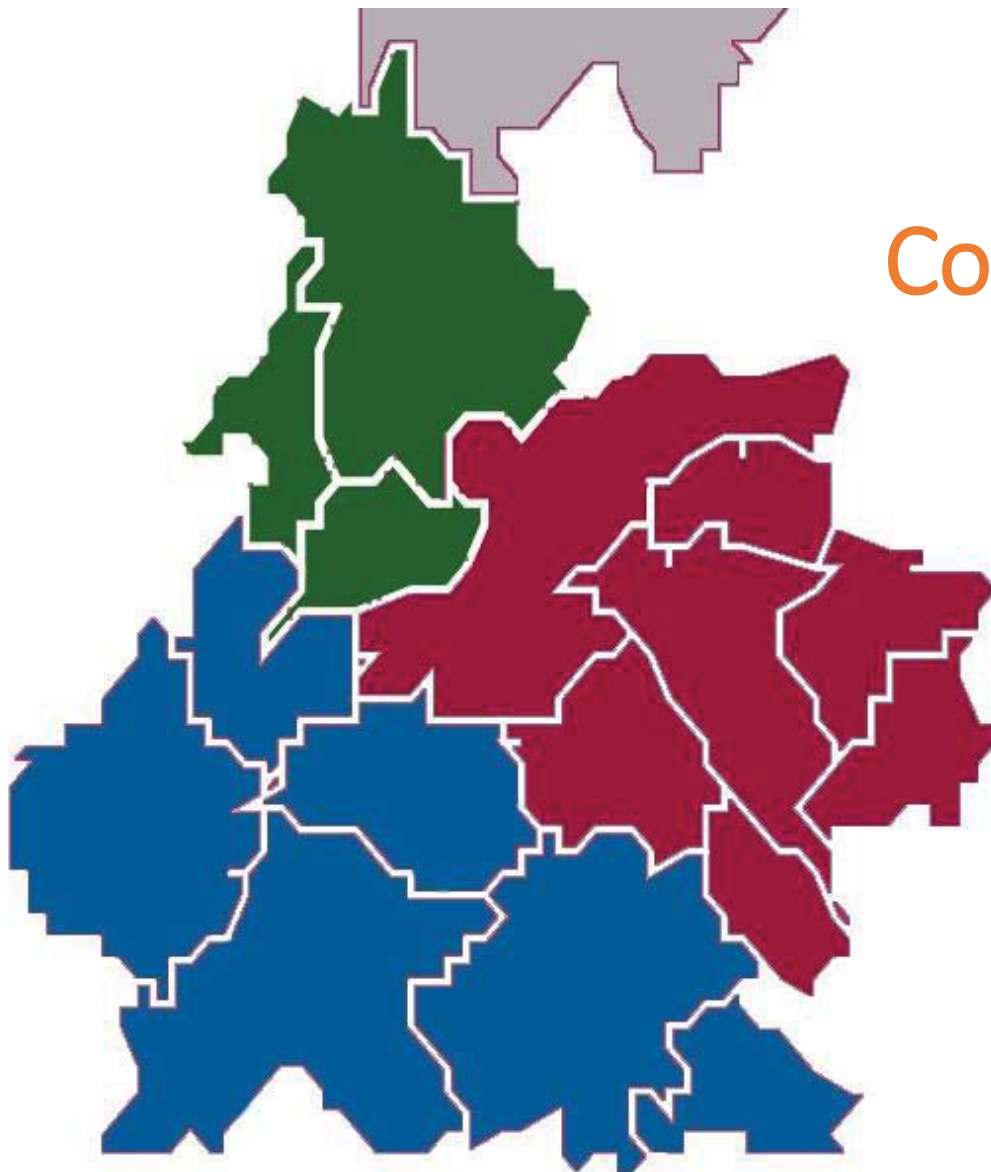
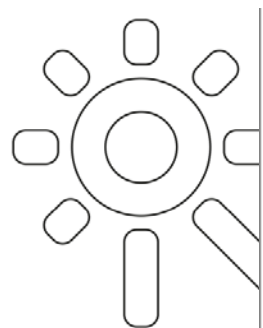


Uitstoot CO₂ in 2016 (kg per m²)

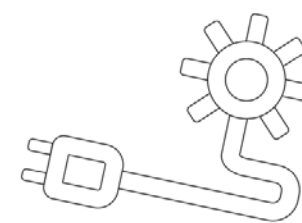
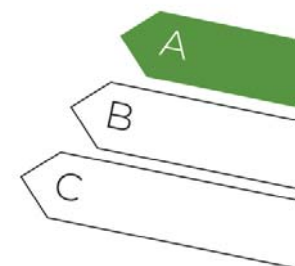
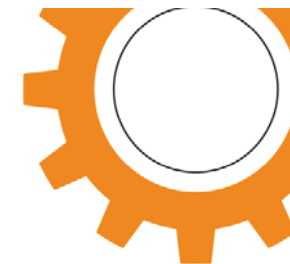


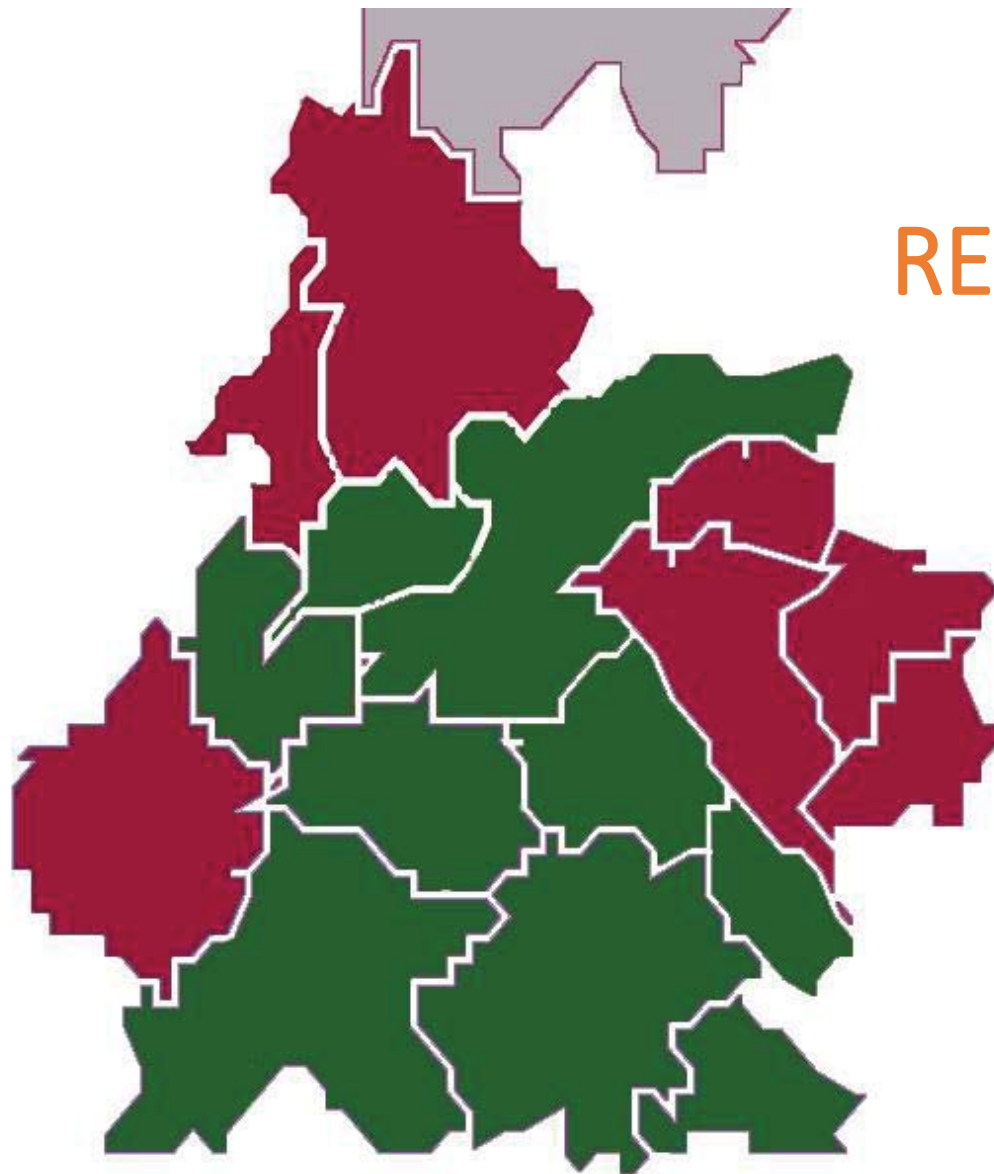
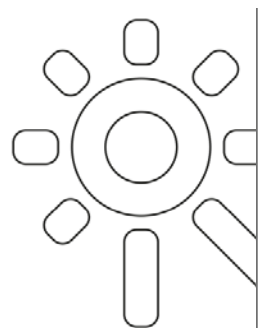
Uitstoot





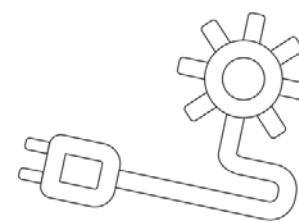
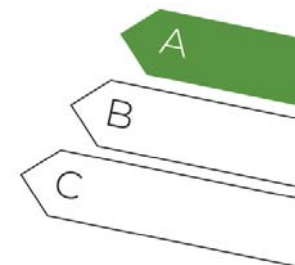
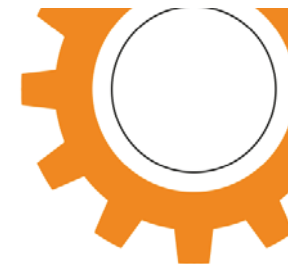
Concept RES ZL

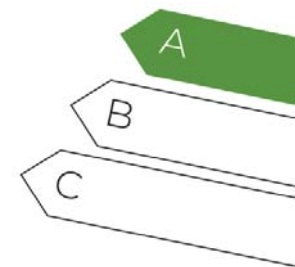
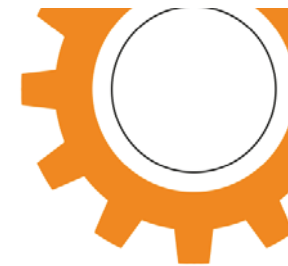
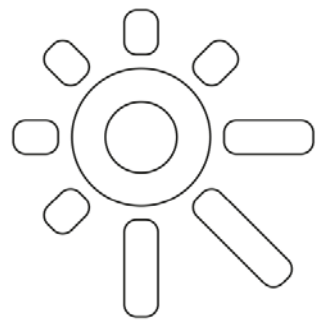




RES 1.0?

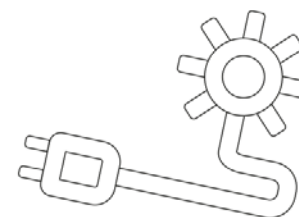
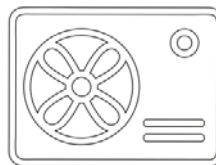
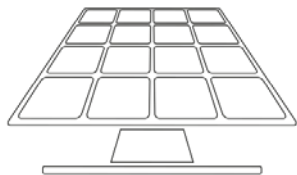
- 'Eigen' aan de locatie
- 'Lokaal' krijgt inhoud

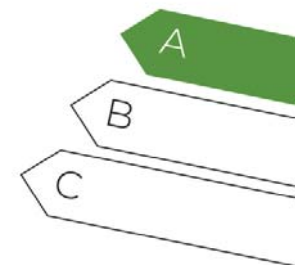
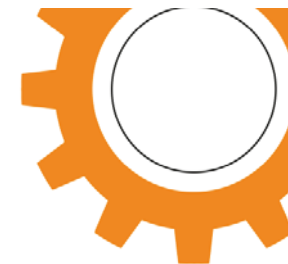
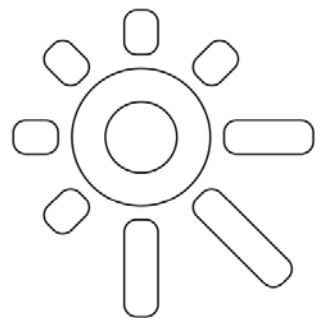




Kwetsbaarheid concept RES ZL

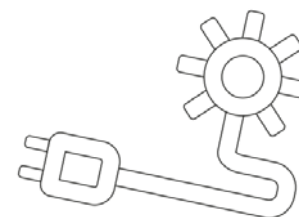
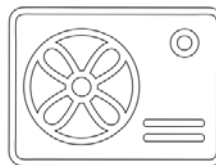
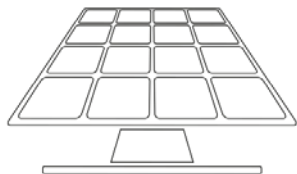
- Hoge ambitie
- Versnippering door driedeling, veel afstemming
- Te veel dubbel, met verschillen
- Voorstel:
 - Landschap/Land
 - Bebouwde omgeving/Stad
 - Industrie

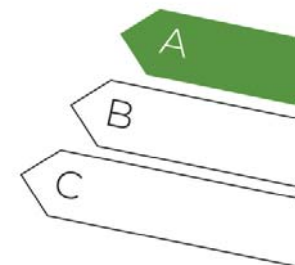
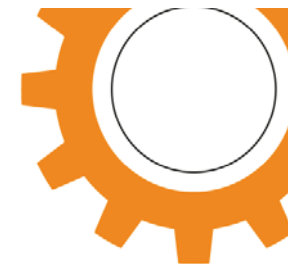
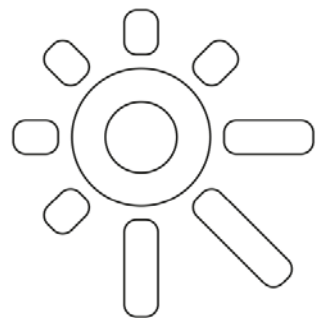




Voorstel driedeling

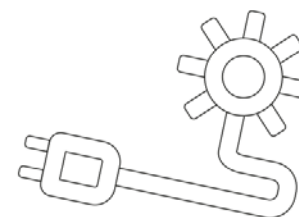
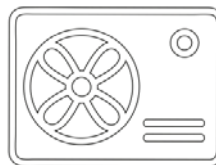
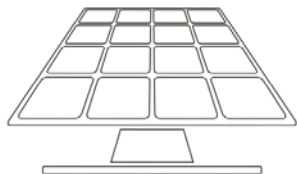
- Landbouw – landschap
 - Agrarische sector en toerisme trekken samen op
- Stad – woningen
 - Opgaven in het bebouwde gebied zijn identiek
 - Zeker waar het gaat om warmte
- Industrie - bedrijvigheid
 - Industrie loopt mijlenver achter
 - Heeft eigen aanpak nodig

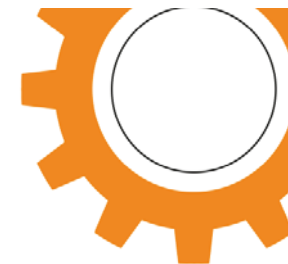
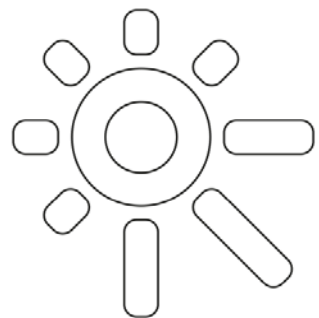




Voorstel driedeling

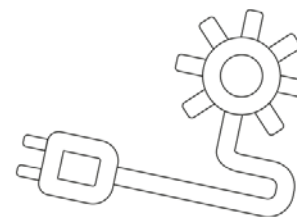
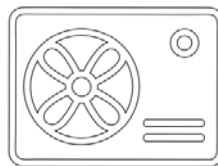
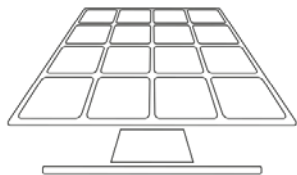
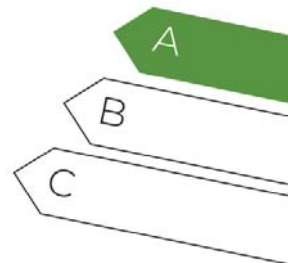
- Landbouw – landschap
 - Dorpen, uitzichten, kostbaar
 - Mogelijkheden zoeken
- Stad – woningen
 - Wijken, winkelcentra, intensief
 - daken
- Industrie - bedrijvigheid
 - Industrieparken, loodsen, installaties, logistiek
 - Besparingen, processen

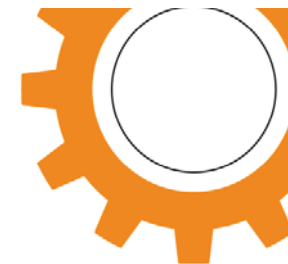
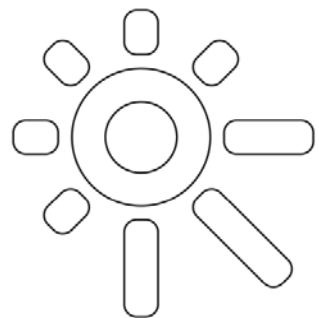




Burgerparticipatie?

- Aan de zijlijn staan knoteren of juichen
 - Infoavonden, zenden, ontvangen,
 - Gemeente is trekker en verantwoordelijk
 - Betrokkenheid burger.....
- Mee doen in het veld
 - Draagvlak vergroten
 - Werksessies
 - Burger verantwoording laten nemen, gemeente faciliteert slechts
 - Financieel voordeel tonen





Participatie is niet overal hetzelfde

Procesparticipatie in het project

De initiatiefnemer doorloopt samen met de omgeving een proces om te komen tot een wenselijke en haalbare vormgeving van participatie. Hieruit volgen afspraken over het ontwerp van het energieproject, over de ruimtelijke inpassing en/of over financiële participatie en opbrengsten voor de omgeving.

Omwonenden profiteren mee als mede-eigenaar van een wind- of zonneproject, via een vereniging of coöperatie

Mede-eigenaarschap

Omwonenden nemen risicodragend deel aan een project, bijvoorbeeld door aandelen, certificaten of obligaties

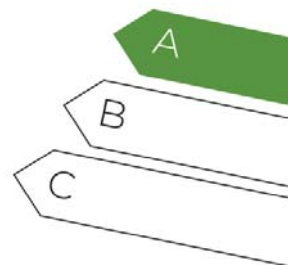
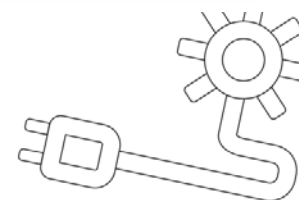
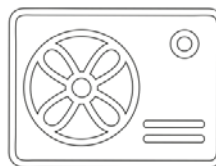
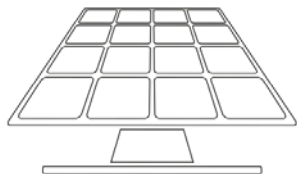
Financiële deelneming

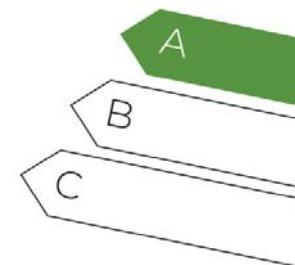
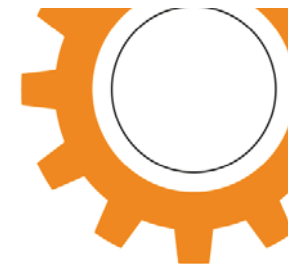
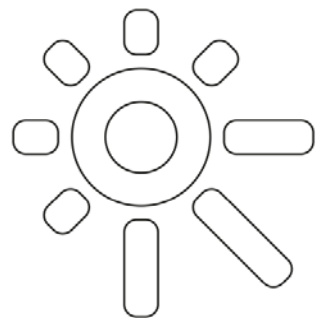
Een deel van de opbrengsten komt ten goede aan maatschappelijke doelen in de buurt, zoals een sportclub of wijkvereniging

Omgevingsfonds

Direct omwonenden ontvangen voordeel, bijvoorbeeld in de vorm van verduurzaming van hun woning of korting op groene stroom

Omwonendenregeling



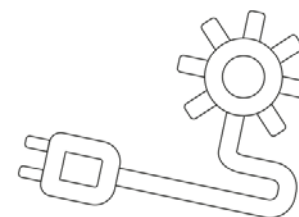
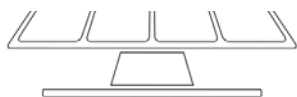


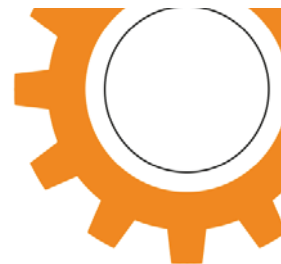
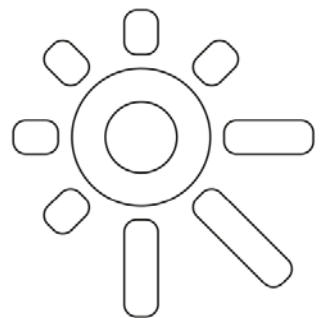
Binnen de regio Parkstad stelt het **PALET: Regionaal Afwegingskader Grootchalige Duurzame Energieopwekking** een aantal randvoorwaarden aan de uitwerking en realisatie van projecten die invulling geven aan de doelstellingen van het energietransitie-beleid in Parkstad. Met betrekking tot participatie hanteren de Parkstad-gemeenten de volgende uitgangspunten:

- De initiatiefnemer dient in te zetten op actief omgevingsmanagement met als doel om belanghebbenden maximaal te betrekken bij de planvorming c.q. het uitgangspunt met betrekking tot het regionaal/lokaal profijtbeginnsel optimaal te behartigen.
- De initiatiefnemer dient maatschappelijke baten (bovenop het opwekken van duurzame energie) te laten terugvloeien in de gemeenschap.

M.b.t. het terugvloeien van opbrengsten in de gemeenschap dient de initiatiefnemer in afstemming met de omgeving een “profijsplan” op te stellen, waarin dient te worden beschreven hoe de omgeving (bv. financieel) kan meeprofiten van de projectontwikkeling, en men transparant en concreet is over:

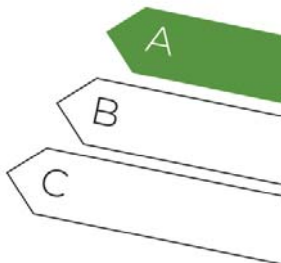
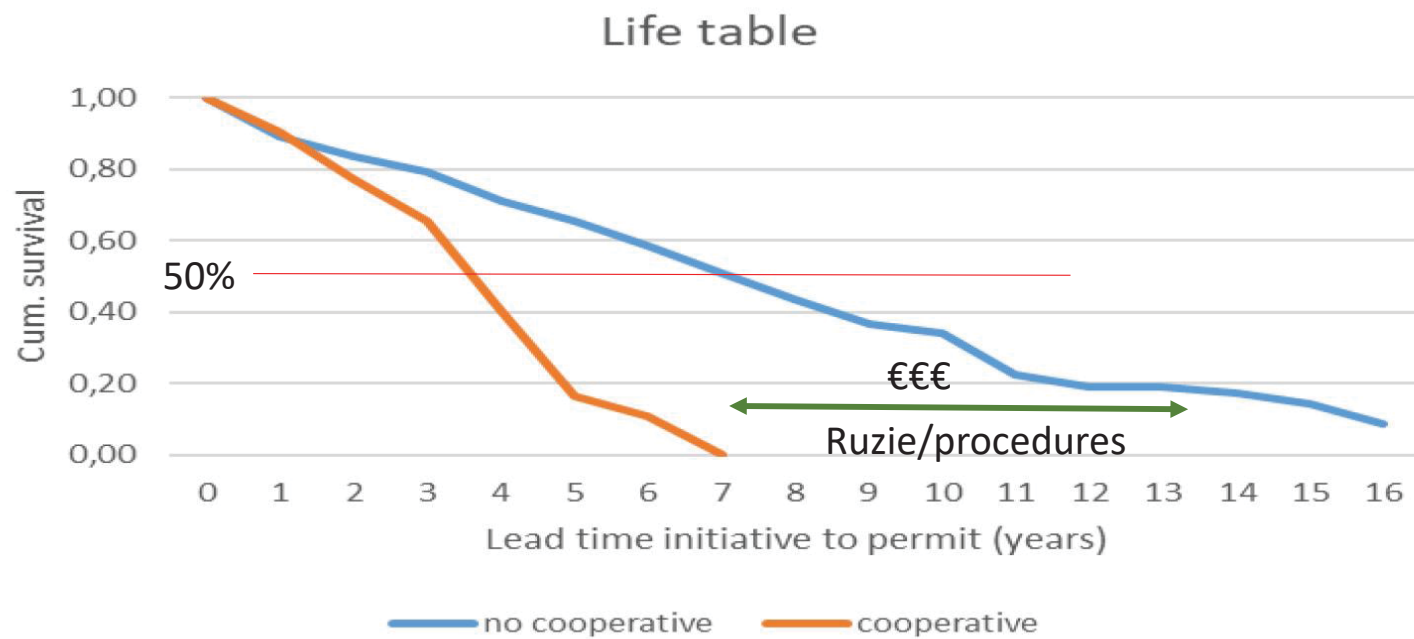
- a) De toe te passen methode (wat is het model);
- b) Het proces (o.a. wie mag meepraten en wie beslist over de verdeling van de opbrengsten);
- c) De informatieverstrekking (iedereen krijgt dezelfde informatie);
- d) De mate waarin inzicht wordt gegeven in de boekhouding van het project (tenminste hoofdlijnen kosten/baten);
- e) De hoofdlijnen verdeling baten tussen grondeigenaren, investeerders en omgeving;
- f) De initiatiefnemer staat open voor de participatie van burgercoöperaties, waarmee wordt beoogd de ontwikkeling van windmolens door en voor de burgers te laten plaatsvinden. Dit houdt in dat burgers kunnen (mee-)investeren en profiteren van de revenuen, waardoor lokale geldstromen ontstaan. De burgercoöperatie besluit vervolgens op welke wijze de revenuen worden ingezet, bv. ten behoeve van nieuwe energieprojecten of anderszins voorzieningen voor de lokale gemeenschap.

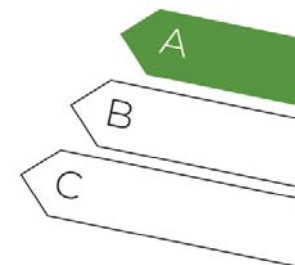
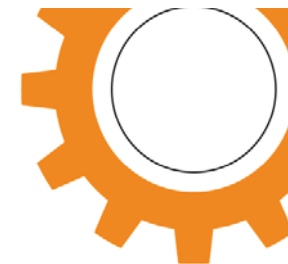
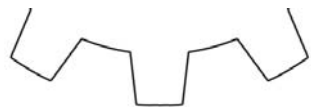
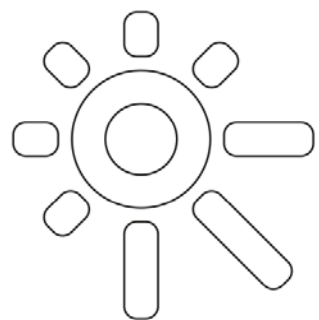




Coöperatief ontwikkelen

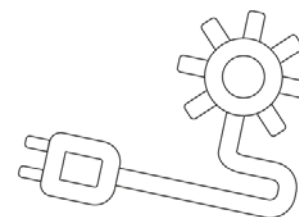
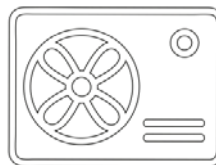
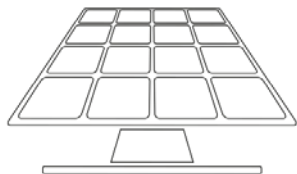
Radboud Universiteit Nijmegen

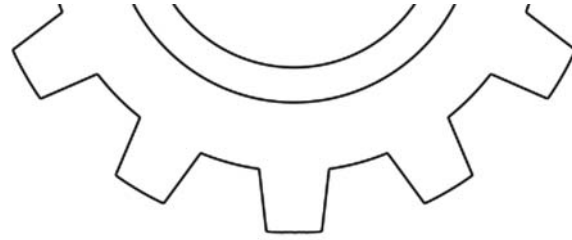
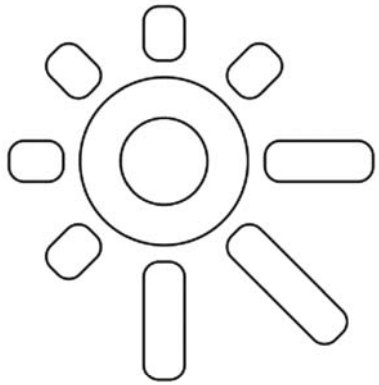




Samengevat

- 1,5 TWh
 - Grote opgave, erg ambitieus
 - Inhaalslag maken betekent intensief *samen* werken
- Driedeling
 - Stad, land, industrie is de verbindende keuze
 - Robuuste bruggen slaan en oude structuren verlaten
- Coöperatief
 - Coöperaties bieden snelle en succesvolle ontwikkeling
 - Burger en Overheid vinden elkaar

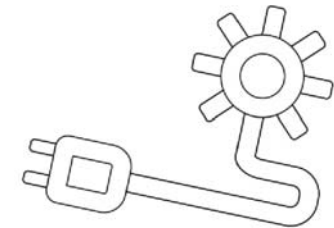
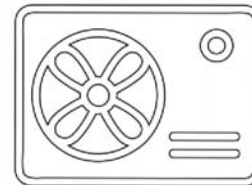
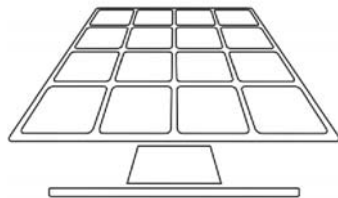
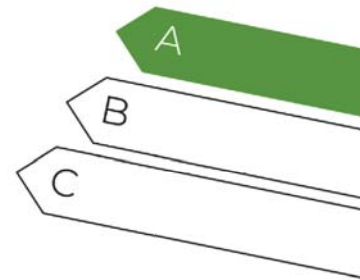


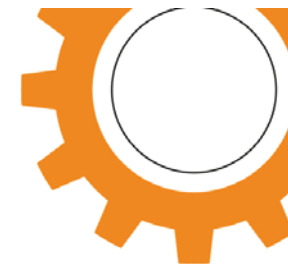
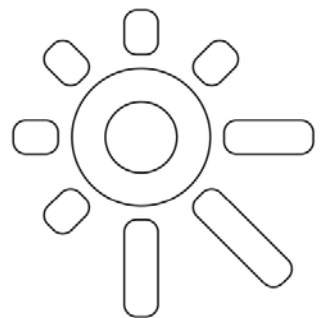


Presentatie Zonneparken

Plan voor eigen Zonneweiden Voerendaal

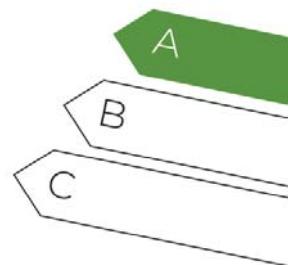
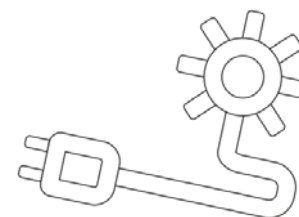
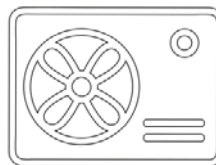
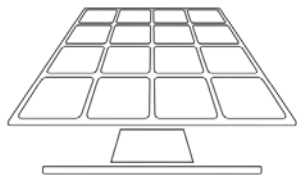
18 november 2020

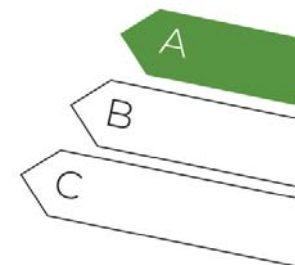
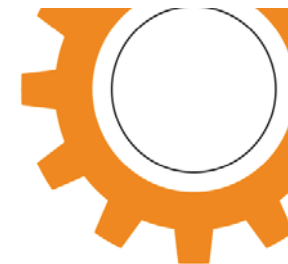
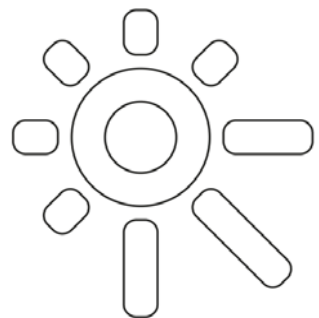




Coöperatief Eigendom

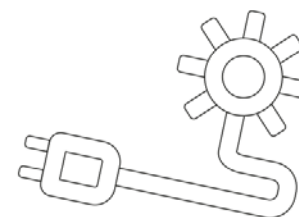
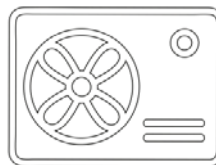
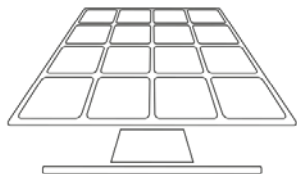
- We willen samen energie opwekken
 - Samen zonnevelden oprichten
 - We willen investeren in energieproductie
 - Meerdere projecten, spreiding risico
 - Vanaf €250
 - 5, 10 en 15 jaar
 - Rendement is goed,
 - Social Return
 - Geld én Installatie blijft 'onder ons'

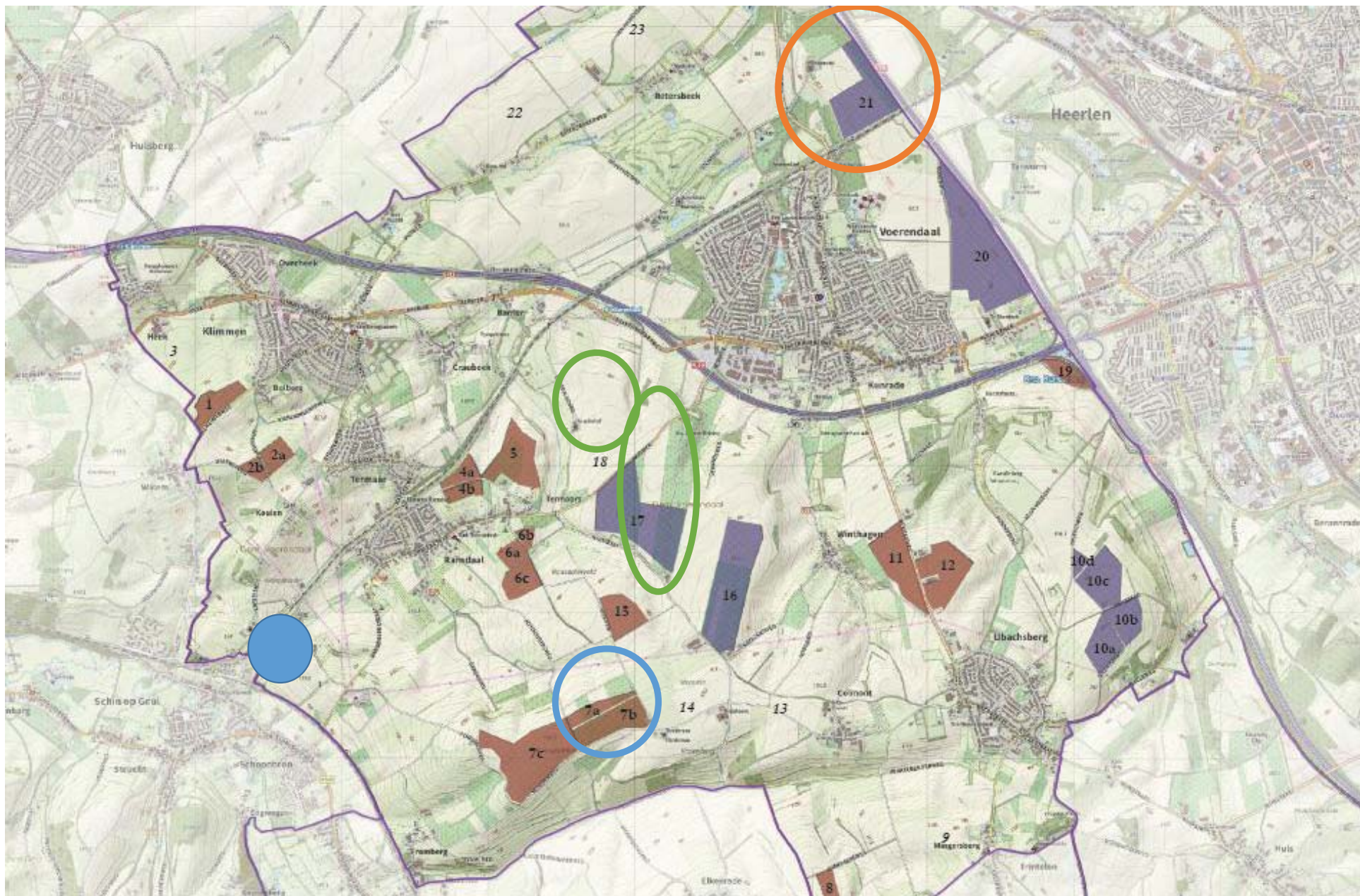
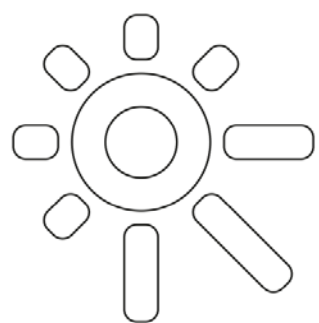




Voerendaal Elektrisch?

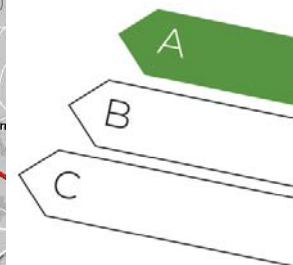
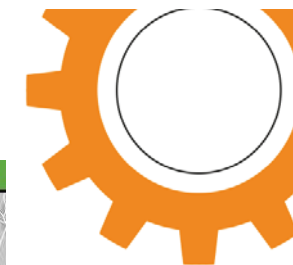
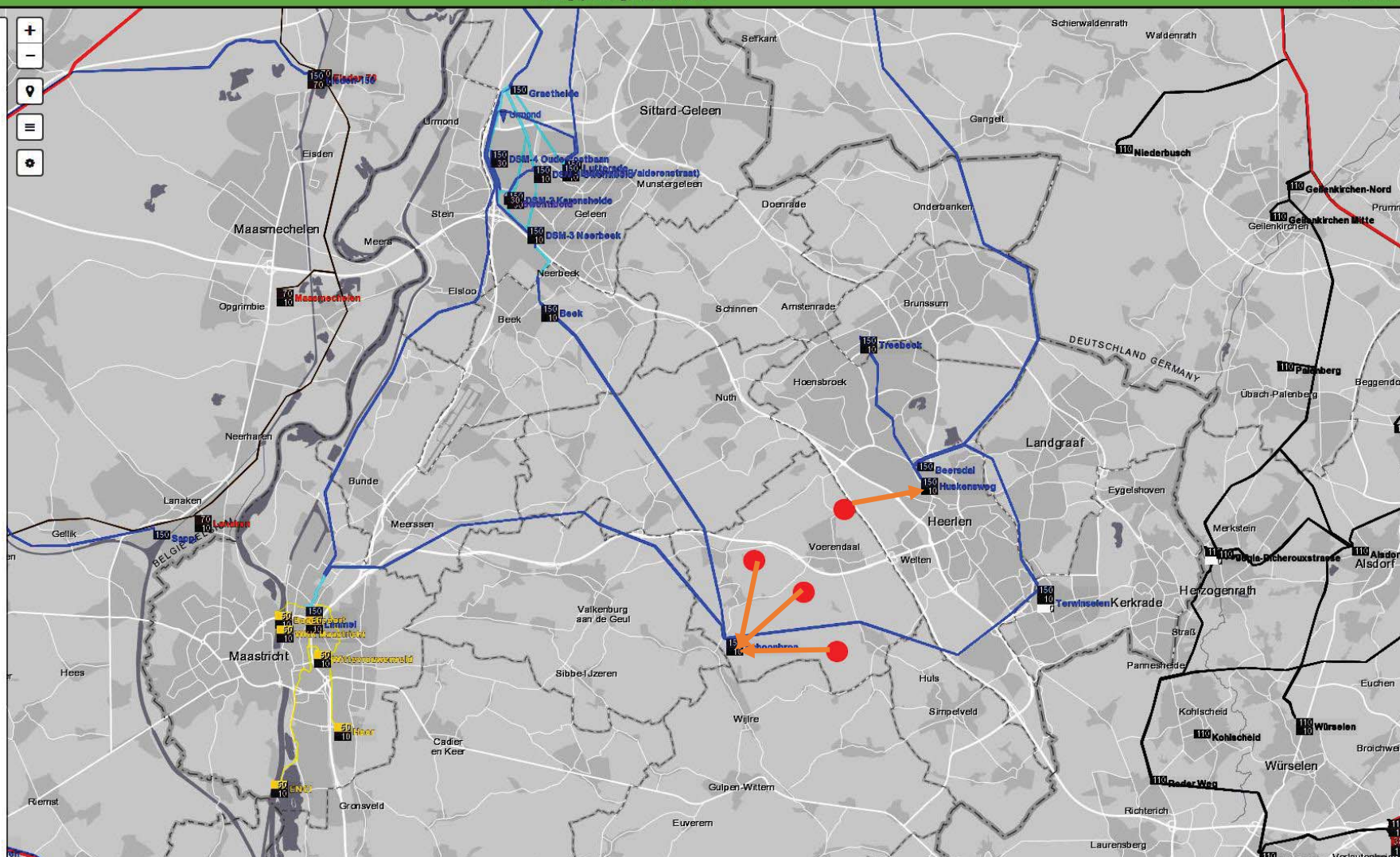
- Zoekkaart Zonneparken
 - Insteek: 20Ha pilot?
 - 30Ha aanbod aan RES ZL
- Collegebesluit
 - Nu 3 pilots, totaal ca. 22ha
 - Bij Projectontwikkelaars
- Participatie
 - Afwachten?

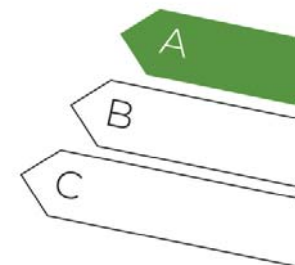
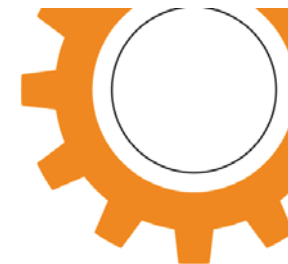
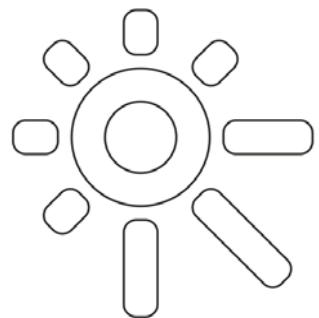




Legenda

Lijn	Kabel
	551-800 kV
	421-550 kV
	363-420 kV
	246-362 kV
	171-245 kV
	146-170 kV
	124-145 kV
	72.6-123 kV
	66.1-72.5 kV
	60.1-66 kV
	40.5-60 kV
	30-40.4 kV
	17.6-29.9 kV
	12.1-17.5 kV
	7.3-12 kV
	3.6-7.2 kV
	1.6-3.5 kV
	<1.0 kV
	Spanningsloos



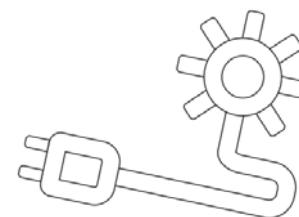
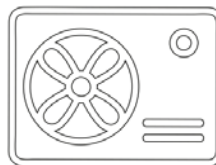
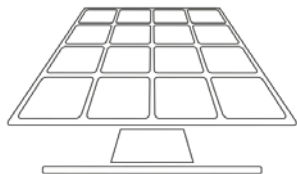


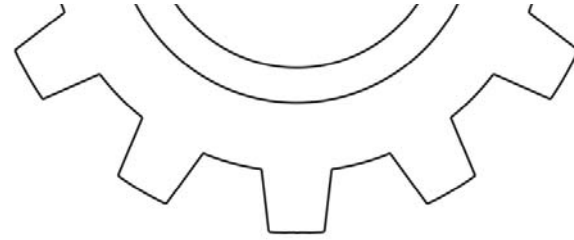
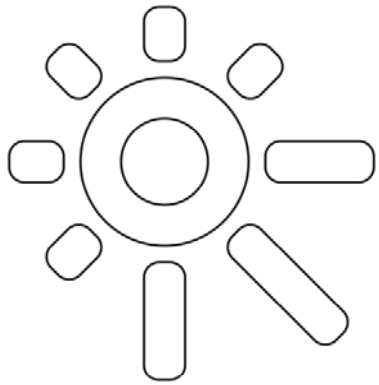
Participatie in Voerendaal

- Infoavonden, December, Januari
- Covid....

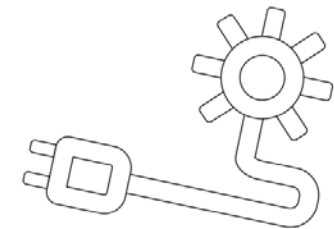
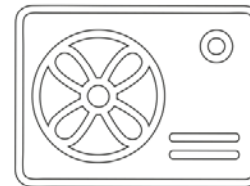
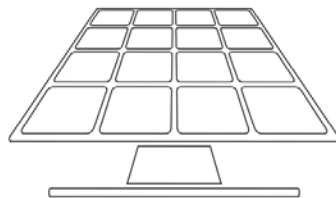
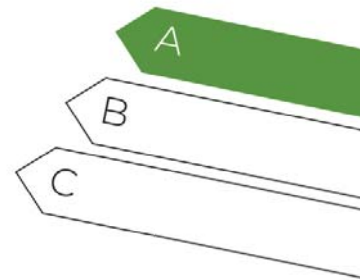


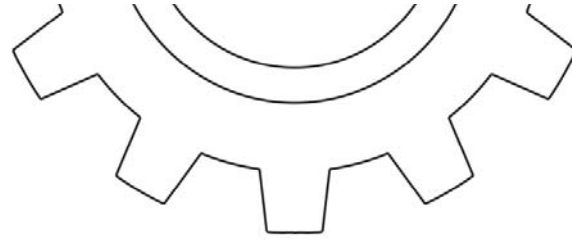
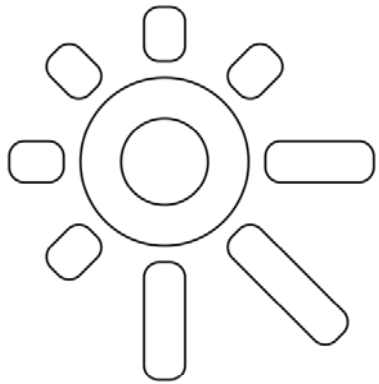
- De Omslag: Samen de schouders er onder
 - Coöperatief eigendom, ten minste 50%
 - Samen ontwikkelen
 - Dorpsfonds
 - Vergoeding naar omgeving
 - Rendement naar investeerders
 - Vermogen creëren





Presentatie PV park Steenenis



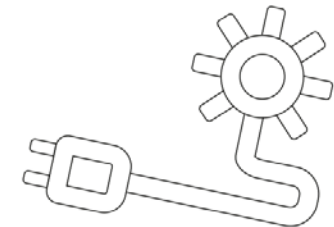
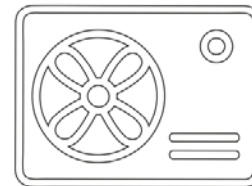
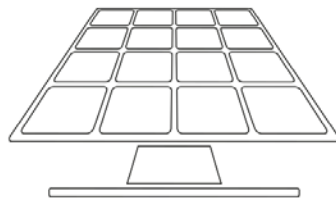
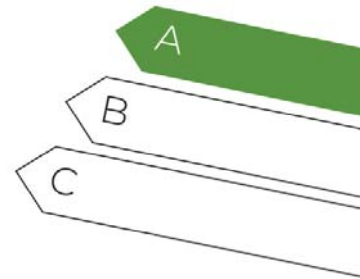


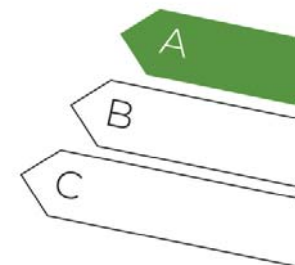
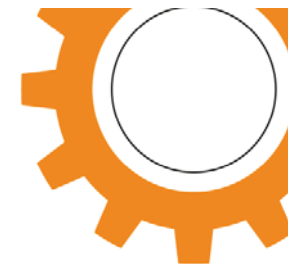
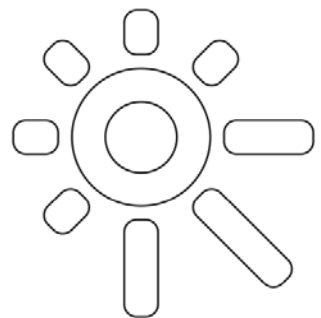
Belangrijkste vraag eerst



handje opsteken

de voorzitter geeft het woord





Lid worden?

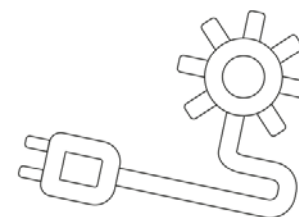
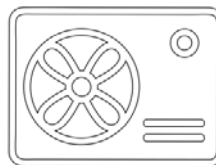
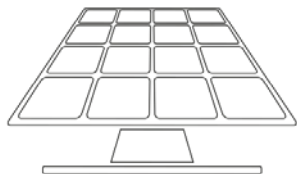
- Alleen leden kunnen mee doen

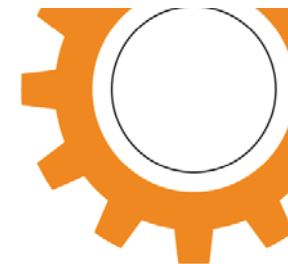
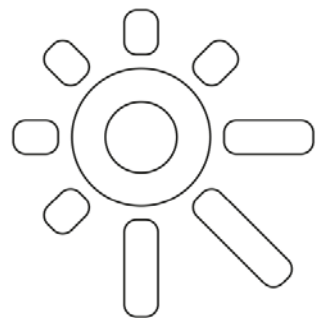
- Leden zijn mensen die

- Actief willen meewerken aan de realisatie van de doelen
 - Willen investeren in duurzame energieopwekking
 - Samen een nieuwe beweging willen opzetten

- Leden zijn

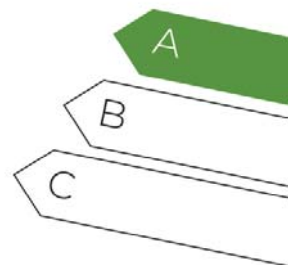
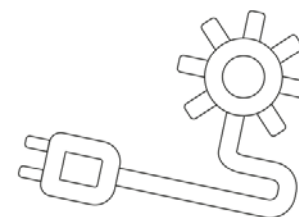
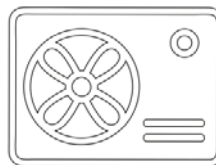
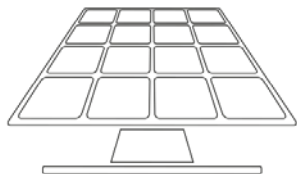
- Net gewone mensen

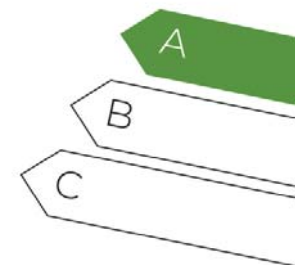
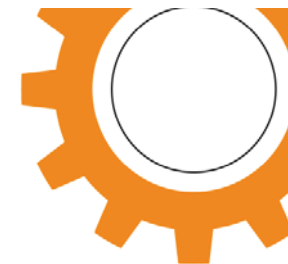
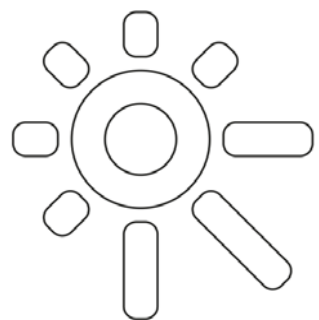




Lid worden?

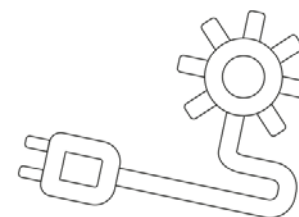
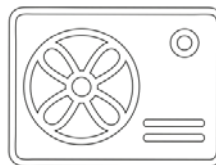
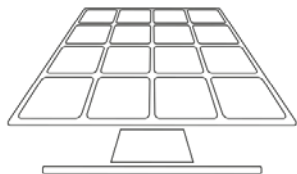
- We zijn een 'energievereniging'
 - We hebben ondersteuners/werkers nodig
 - Handig!
 - Elektriciën, Constructeur, Bouwfysicus
 - Financieel, boekhoudkundig
 - Juridisch, contractueel
- Ondersteuners: investeren in de transitie
- Werkers: maken de transitie mogelijk

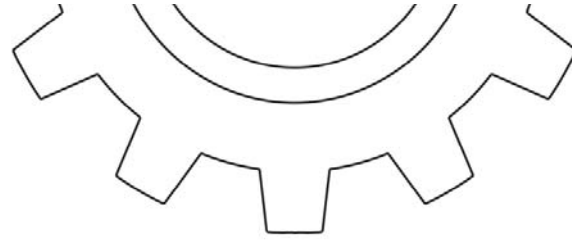
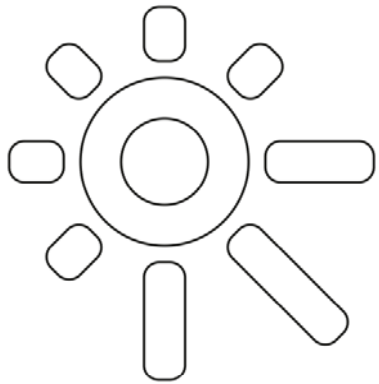




Lid worden?

- Aanmelden
 - Kan via de website www.deomslag.org
 - Alleen op de mailinglist?
- Lidmaatschap
 - €25/jaar
- Je kunt alleen meedoen als je lid bent
 - Vrijwillig, Niet vrijblijvend





Maak de Omslag

Wordt Lid

