



Interreg



2 Seas Mers Zeeën
SOLARISE

European Regional Development Fund



Low-carbon
technologies

TOTAL PROJECT
BUDGET:

4.35 M €

INCLUDING AN
ERDF BUDGET OF:

2.61 M €

Developing and delivering your Solar Road Map

Kirsten Firth

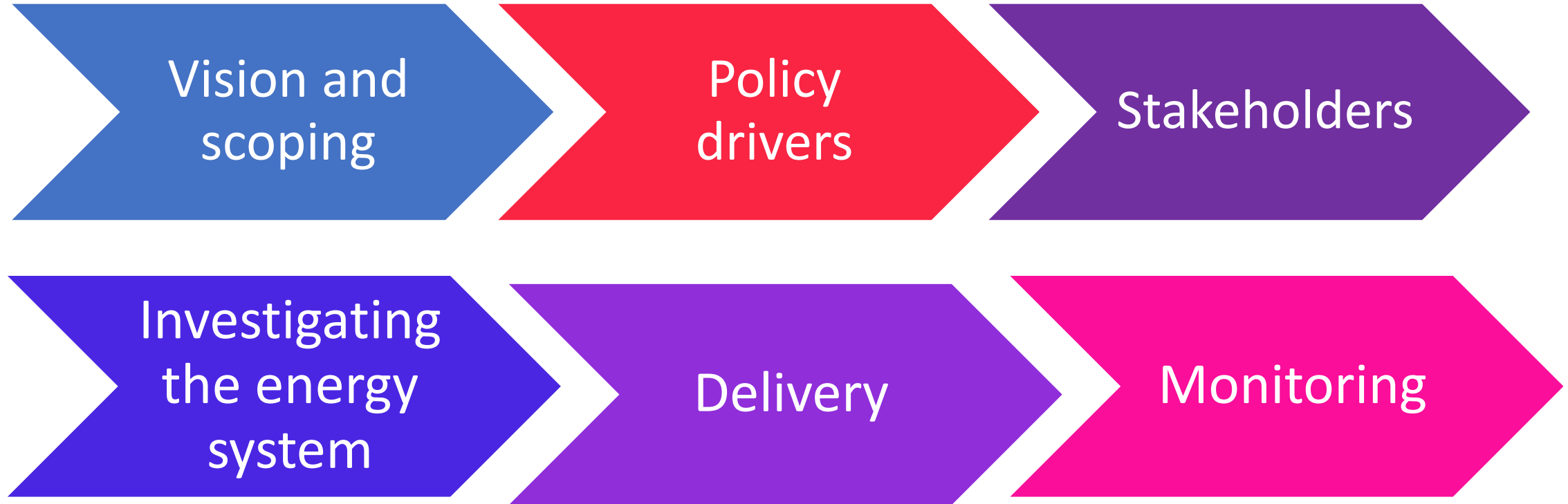
Sustainability Projects

Brighton & Hove City Council

14/10/2020

www.interregsolarise.eu

Creating a methodology for solar road maps



Brighton & Hove: SOLARISE

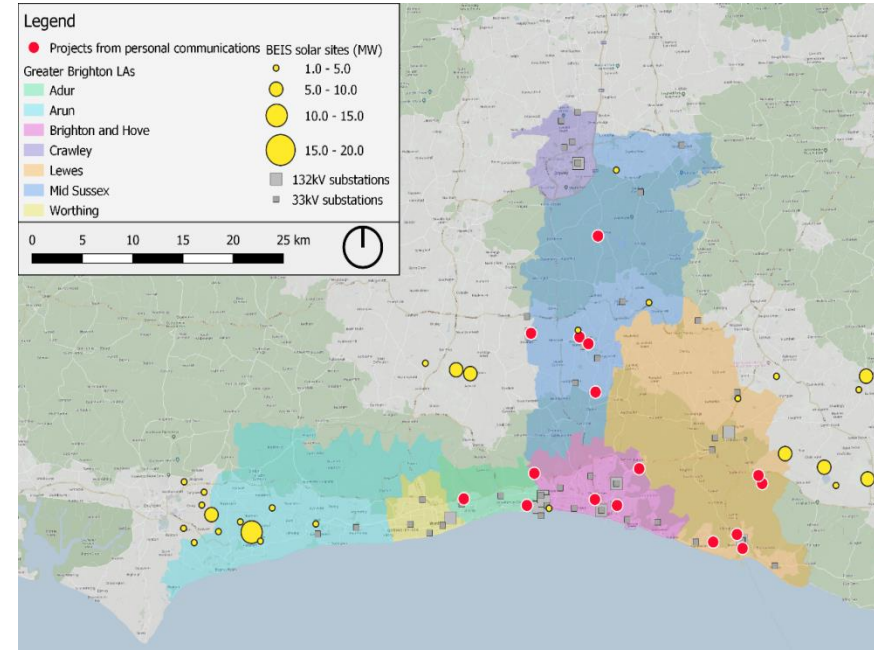
€530 000

Greater Brighton Energy Plan

Solar Roadmap

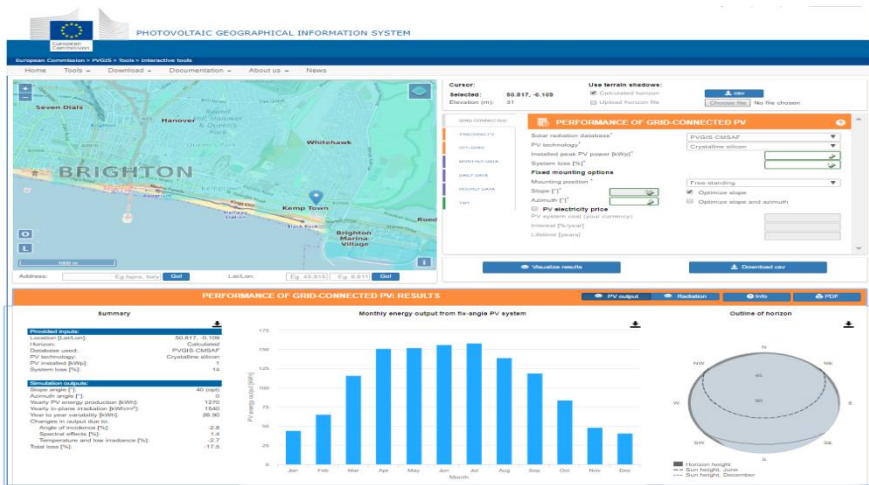
Solar Farm Feasibility study

Housing Pilots



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Progress to date on solar road maps – SOLARISE partners

	Energy Plan – 30/6/2020	Solar Road Map – 31/1/2021
Brighton & Hove	Completed > delivery	Completed > delivery
Fourmies	Completed	Final draft
Heerhugowaard	Completed	Draft
Middelburg	Draft	Draft
Middelkerke	Completed	Draft
Zoersel	Completed	Final draft

Scoping and vision

- Solar Road Map sits within an Energy Plan
- Set area vision, objectives and targets
 - to lead and coordinate the transition
- Geographical area for the Road Map
- Spatial planning approach - identifying suitable sites
- Technologies

Policy drivers

How does the Solar Road Map connect to national and local strategies and targets (eg digital infrastructure, green growth), including an Energy Plan?

- **Environmental targets** – CO2 reduction, decarbonisation of electricity
- **Social targets** – fuel poverty, housing energy efficiency, access to renewable energy
- **Economic targets** –
 - For the municipal organisation – income from sale of solar energy, cheaper electricity for public buildings
 - For the community – supporting local businesses by cutting fuel costs, increasing productivity, creating jobs, enhancing skills,
- Recovery from Covid-19

Stakeholders

- Identify & engage key stakeholders
- What do the stakeholders need?
- How to get their help and buy-in
- Stakeholder collaboration to support development of policy
- How to communicate with stakeholders – workshops, group meetings...

Case study – Fourmies

The city of Fourmies will have 3 installations as pilots for the INTERREG SOLARISE program:

Ecole ARAGON, Gymnase Léo Lagrange, Gymnase Marie-José Pérec

The two installations on the sporting complexes have been finished while that on the primary school is being installed currently. The city has now had public engagements for all of its PV installations through two operations of “crowd-lending” for 48k€ and 56k€ respectively which has engaged about 170 people throughout France & Europe.

Stakeholders case study - Heerhugowaard


Resourcefully

Consultants for
urban energy transition



**Transitie dashboard
voor Stationsgebied
Dijk & Waard.**



Het transitie dashboard van Resourcefully helpt steden en wijken om de keuzes naar schone energie, warmtevoorziening en mobiliteit te maken.

Het berekent, visualiseert en verduidelijkt scenario's voor besparing van energie, CO₂-uitstoot en kosten.



3 toepassingen

Het transitie dashboard werkt op het gebied van: wijk-analyse, op basis van scenario's; stimuleren van besluitvorming; en het doorrekenen van meer gedetailleerde projectrealisatie.



Analyse
Scenario's voor keuzes en implementatie van de opwek van schone energie, energiegebruik van gebouwen, verwarming en mobiliteit.

Politiek
Advies bij besluitvorming, strategie en een roadmap voor de transitie van een wijk.

Doen
Leidraad bij ontwerp en mogelijke funding van een project. Monitor voor optimale verhouding tussen opwek, opslag en flexibel gebruik.

Advies op basis van data

Dns dashboard laat zien wat de impact van de installatie van verschillende duurzame energiebronnen is. En hoe je efficiënter met deze opgewekte energie kunt omgaan. Door Flexibel te verwarmen, de e-auto op te laden of met slimme opslag. Zo kunnen we bijsturen in de keuzes te maken op weg naar energie-neutrale wijken in Nederland.

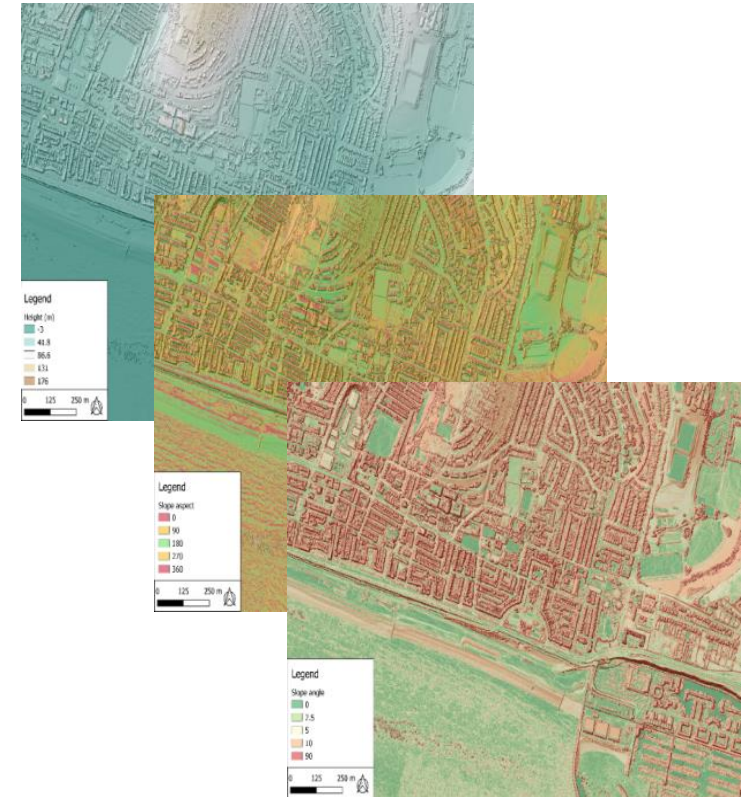


Zo maak je jouw wijk transitie klaar

Heerhugowaard used this leaflet to communicate with stakeholders about the neighbourhood Energy Plan and Solar initiatives.

Investigating the whole energy system

- Mapping
- Understand the local area energy system, challenges and opportunities
- Investigate future local energy scenarios and various levels of ambition



Challenges and opportunities – Brighton & Hove

- Planning rules in South Downs National Park for landscape and heritage
- Solar is a mature market, but not many local suppliers
- Withdrawal of subsidies for solar PV (FITs)
- Integration of Solar PV with other technologies, eg heat pumps and batteries
- Increasingly complex digital systems

Leading and implementing delivery

- Collaboratively take forward with key stakeholders and energy network operators
- Top-level commitment from municipality
- Coordinate with local academia – Innovation Forum
- Delivery plan to support action – 1-2 years, 2-5 years, 5 years +
- A programme of projects to build capability, experience and leadership
- Deploy market ready solutions,
- Test and demonstrate new innovations

Delivery – Brighton & Hove projects

Transforming our energy systems

- Hydrogen Hub
- Solar railways
- Smart energy hubs

Scaling up and coordinating

- Home energy efficiency
- Solar car ports

Engaging the community

- Solar schools
- Solar Together (group buying PV)

Monitoring outcomes

- What is measured depends on your Solar Road Map objectives
- How does the Solar Road Map contribute to environmental, social and economic objectives?
 - CO2 reduction
 - Electricity generation kWh
 - Number of residents / businesses with access to renewable energy
 - Number of jobs / training places
 - Investment in renewable energy
- Monitoring for local annual reports, funders, national and international initiatives eg Covenant of Mayors.

The SOLARISE Solar Roadmap Methodology

- Introduction
- Checklist
- Case studies
- Taking action



Let's talk

Building a methodology for solar road maps

What have you learned?

What would you pass on to others?

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