

Samsø

A Community

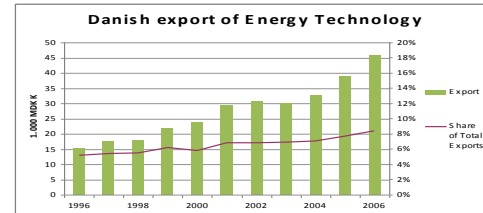
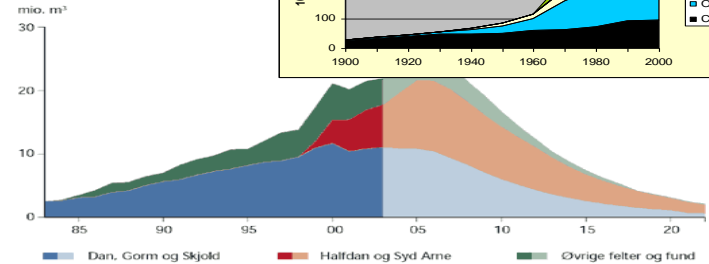
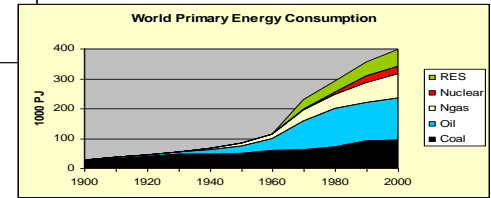
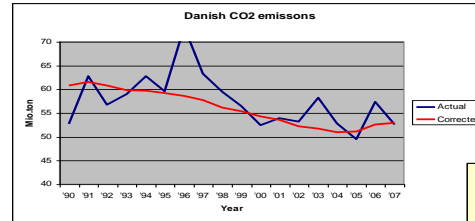
Community = Common + community

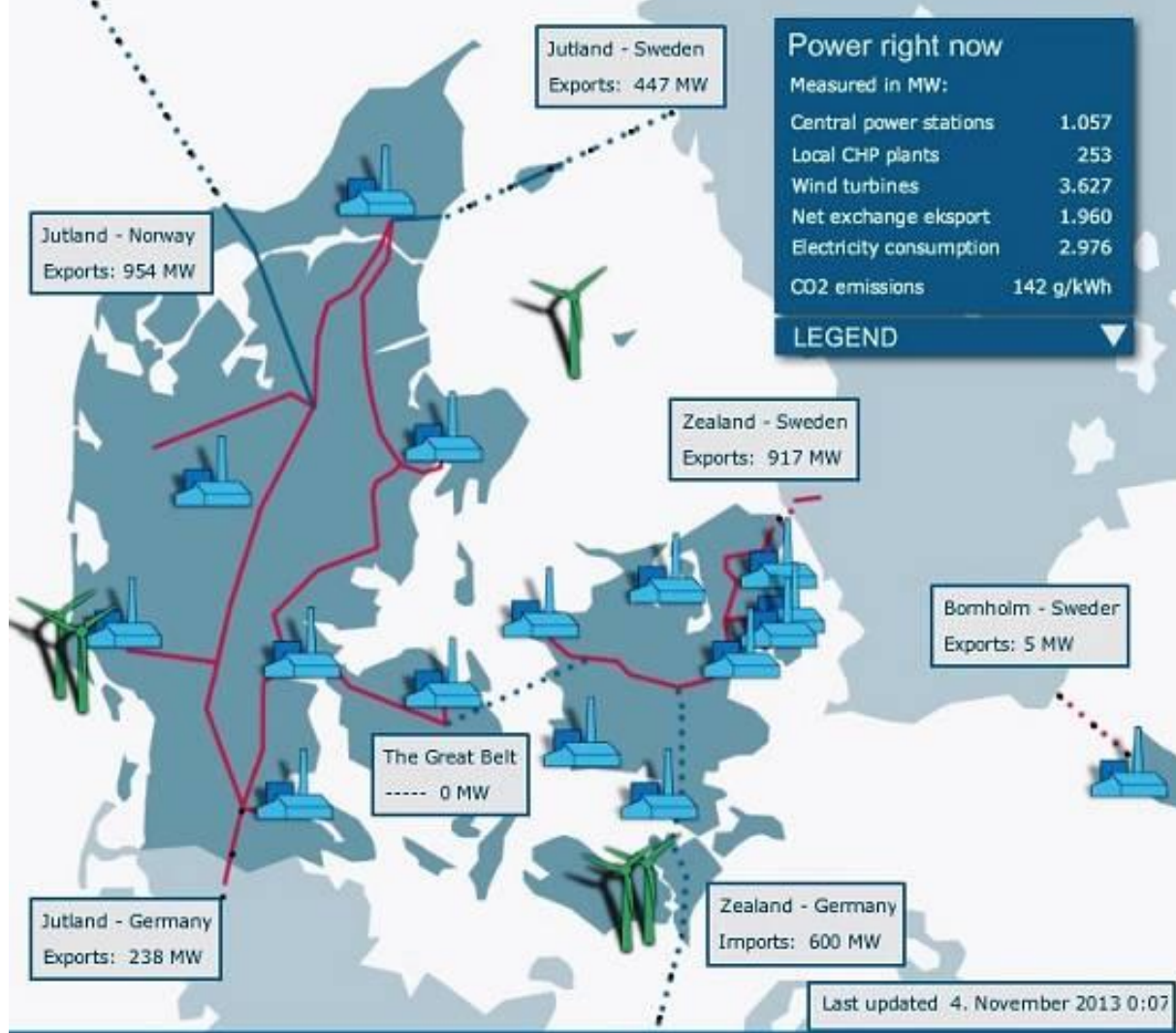
A sustainable island?



3 Challenges

- Climate Change
- Security of supply
(Fossil fuels)
- Industry, economy
and jobs

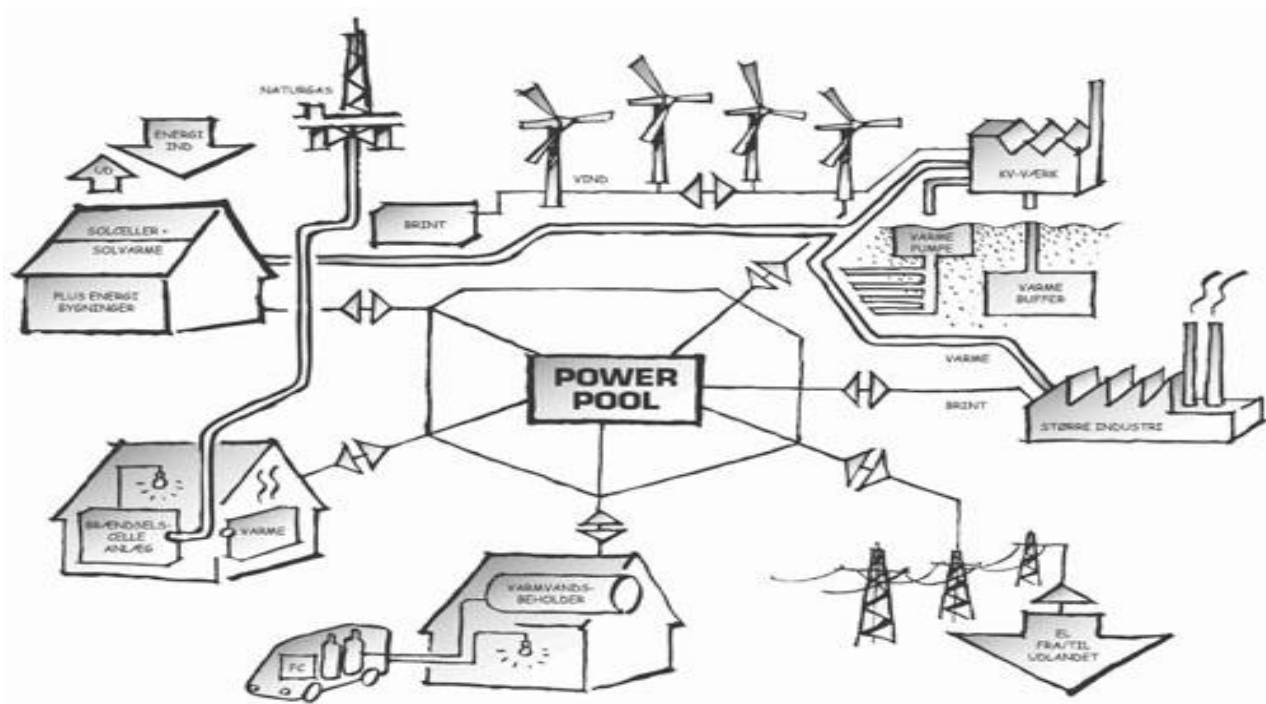




Collaboration between sectors is a necessary condition for a successful sustainable transition.



Dialogue — At Samsø Energy Academy we mobilise the community and facilitate the ability of the community to carry out complex tasks in collaboration between the citizen, the administration and the private sector. Four examples of our work.



SAMSO: THE ENERGY SELF-SUFFICIENT ISLAND

The first island to become completely energy self-sufficient in 10 years?

11 ONSHORE WIND TURBINES

1 turbine generates enough electricity to power **630 houses**.

The turbines transmit electricity to the mainland when more electricity than the island can consume is generated.



OFFSHORE WIND TURBINES

10 103m high offshore wind turbines constructed in 2003 produce more energy than the island uses for transport



3 x STRAW FIRED PLANTS

- Tranebjerg
Heats **263** households
- Ballen / Brundy
Heats **232** households
- Onsbjerg
Heats **76** households

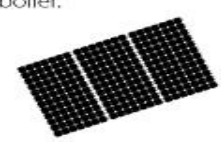


SAMSO: ISLAND FACTS

Area:	114 km ²
Population:	4,000
Investment:	DKK 368 million

SOLAR PLANT

One of the heating plants receives heat from **2500 m²** of solar panels. This is combined with a **900 KW** wood chip fired boiler.



EXCESS ENERGY

Excess electricity produced from offshore wind farms is invested in new energy projects.



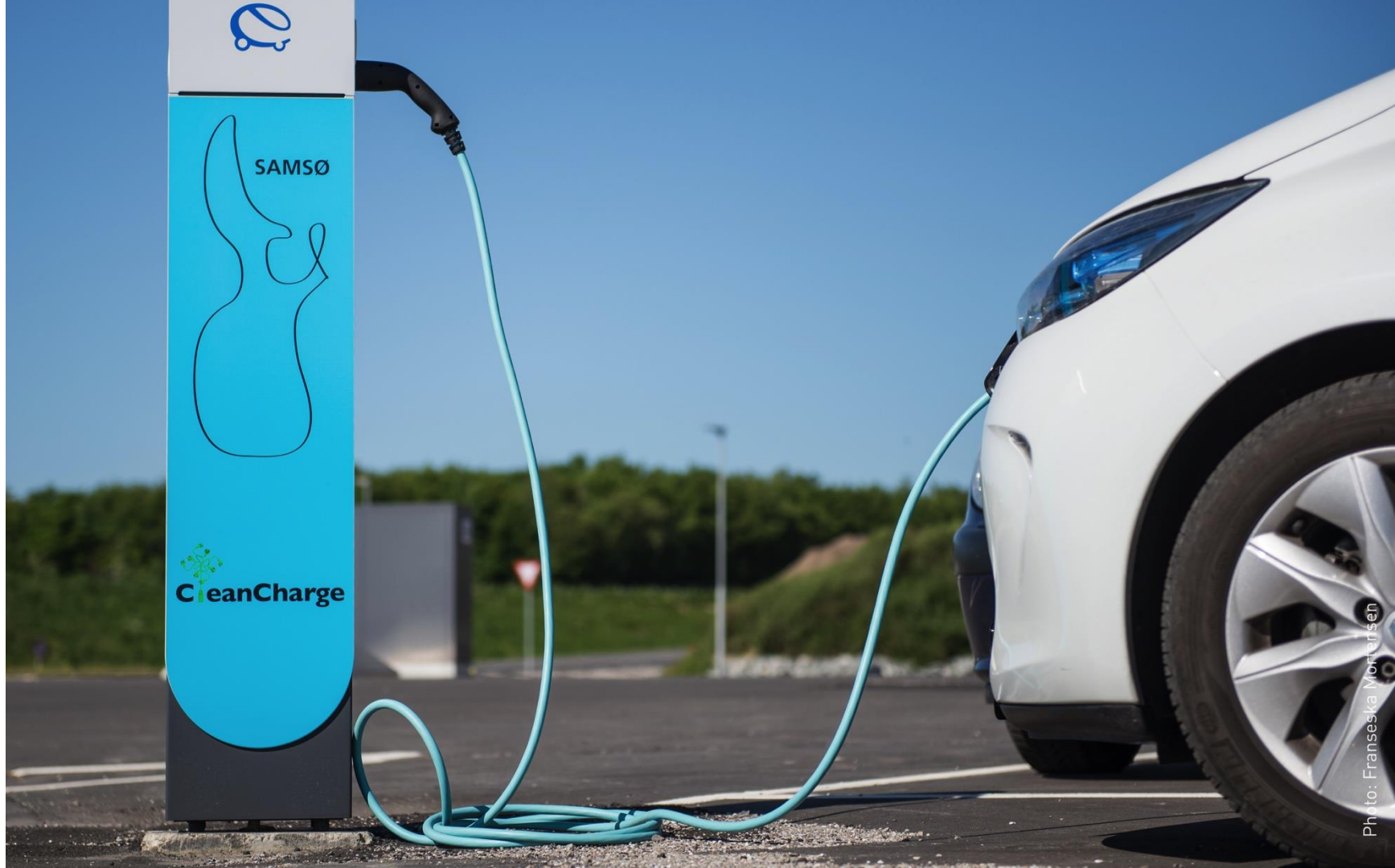
11 1MW onshore wind turbines

generate 28,000 MWh, that's more electricity than the island's total consumption and the equivalent of 690,000 gallons of oil.











AY 43 068

AY 43 105

AY 43 099

sustainability

=

sustain-

+

ability

+

how do you define
yourself
?

INTRO

HERE — THE SIGNIFICANCE OF PLACE

**A strong,
sustainable
and robust
community
must share
locality, activity
and mentality!**



Intro — Getting started with transformation and change can be difficult, even if there is no shortage of good ideas and good will.

But local communities have the potential to become pioneer communities and open the way for change.



In the center of Denmark







common ground

different reason

**Power
without love
is coarse and
ruthless.
Love without
power is
sentimental.**



Reflection — Strong leadership is a vital component in any successful pioneer project. The paradox is that change is the work of love, but the driving force in the realisation is love walking hand in hand with power.



**When we
create a
common sense
of ownership,
the road is
open for
development.**



Dialogue — In order to realize a pioneer project the project participants must assume ownership of the project's main purpose. By creating ownership people accept a common vision for the future. Without ownership no united approach, and without a united approach no change can be created.





Our positioning of the chairs determines the functioning of society.



Method — Meeting forms are not trivial, and they are particularly important when working with pioneer projects. The circle as a meeting form demands of the participants that they are willing to shift from informal chatter or discussion saturated with meaning to a receiving attitude of talking and listening.











Radical societal development calls for top-down and bottom-up to walk hand in hand.



Dialogue — The ambition of creating radical societal development, such as green transitions, requires national political frameworks and objectives which can facilitate a solid bottom-up integration process ultimately strengthening the local community.



If you want
to develop
and change it
is important
to meet
people where
they are.

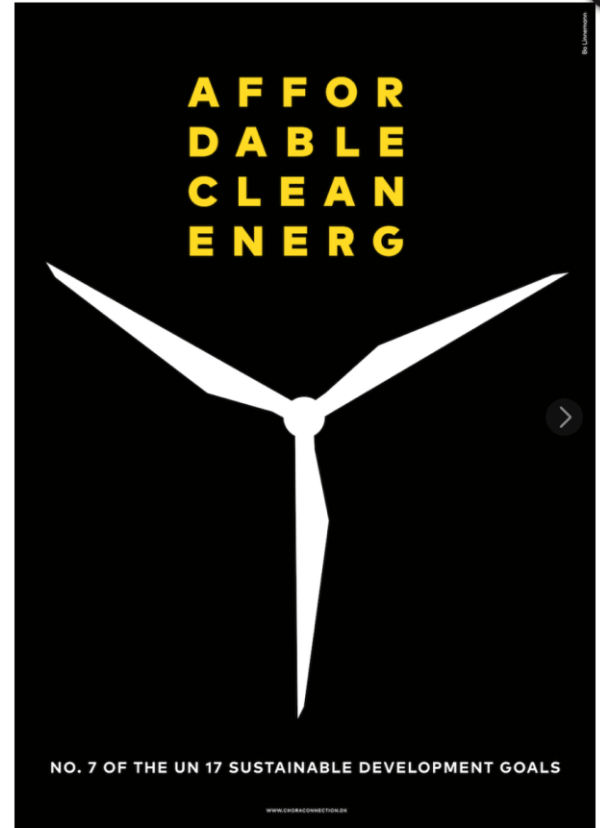


Dialogue — The most sensitive phase in all projects is the start-up. How is support secured? How to organize? How to secure the necessary participation of the local community? For pioneer projects in local communities a solution can be to build on the foundations already in place and for instance establish an association.



Our early considerations

- Will anyone invest in it?
- Who is going to own it?
- Who will take the profit?
- Who will take the risk?
- What is its impact on the environment?
- What's in it for me?







**An experiment
does not have
to be perfect
– experiments
can open the way
for something
radically new.**



Reflection — The ability to master the social innovation and the ability to create radically new solutions lies with the organization that knows how to handle the social experiment.

I am restricted
by.....

I need.....

Find the
"blacksmith"

New Nordic education for sustainability



**New
communication
arises when
you allow
yourself to be
stupid, lazy
and yourself.**

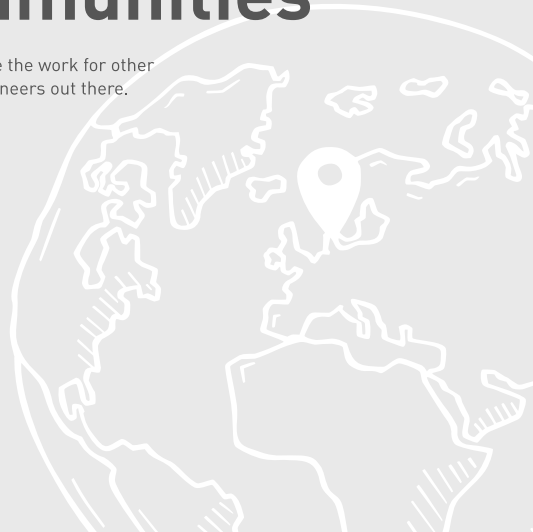


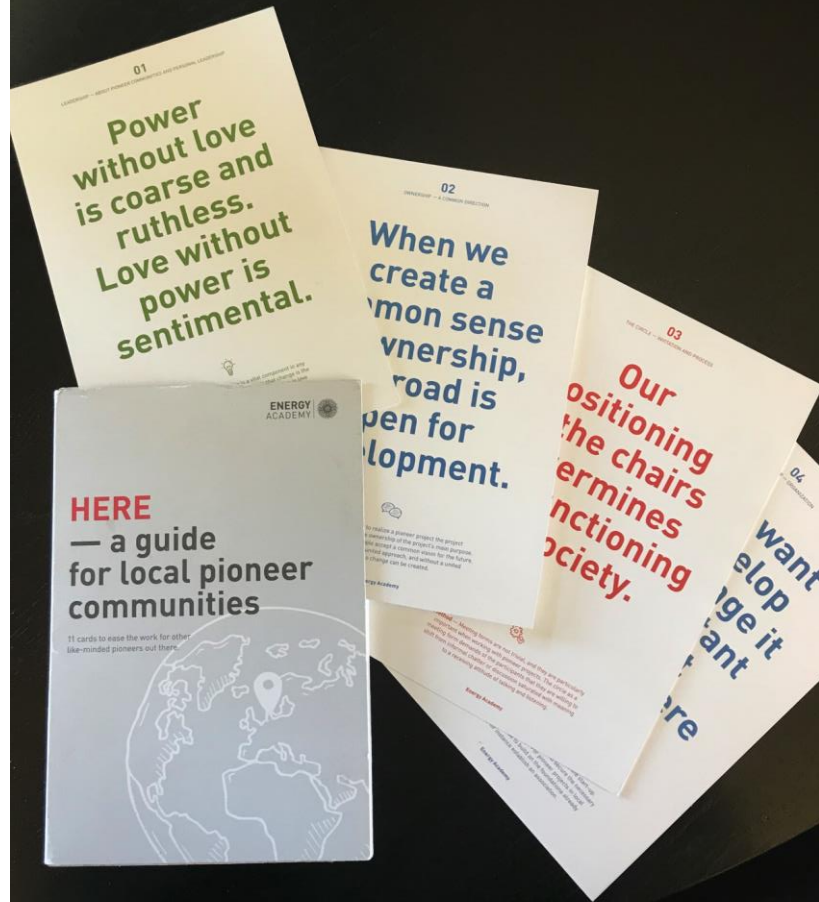
Method — Many organizations and corporations think of communication as an output you can focus on after the project or product has been completed. At Samsø Energy Academy we consider communication an integral part of the project.

HERE

— a guide for local pioneer communities

11 cards to ease the work for other
like-minded pioneers out there.





01
"Power without love is coarse and ruthless. Love without power is sentimental."

02
"When we create a common sense ownership, the road is open for development."

03
"Our positioning ermines the chairs of a nation."

04
"I want to develop it, I want to be there."

HERE
— a guide for local pioneer communities

11 cards to ease the work for other like-minded pioneers out there



ENERGY ACADEMY

to realize a pioneer project the project community as the project's main purpose. We accept a common vision for the future, shared approach, and without a single change can be created.

Energy Academy

Energy Academy is a non-profit organization, and we are particularly interested in the development of the energy sector. We are as a social enterprise, and we are working to create a positive impact on society and the environment.

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The Pioneer Game helps firesouls and pioneers move from the good idea to concrete action.



Reflection — As practitioners at Samsø Energy Academy we have been successful in realising our goals of creating sustainable development on Samsø. With the Pioneer Game we wish to make our knowledge and experience accessible to other firesouls and pioneers working with local sustainable transitions.

**We need
aldermen and
wise women,
and they can
be found
everywhere.**



Method — When you work with radical societal change, such as green transitions, you come into contact with a vast number of sectors and expertises. At Samsø Energy Academy we embrace difference and insist on the importance of reflection and conversation.



LEADERSHIP CAPABILITIES

There is no substitute for local knowledge and good relationships. External experts offer valuable advice, but achieving benefits, creating social change, and investing and utilizing project earnings require in-house leadership. Through the Program, we aim to connect Catalysts with program mentors from across the country to help them acquire fundamental clean energy skills and know-how, which they can bring back to their communities.



COMMUNITY CAPACITY

Catalysts will be encouraged to share their program experiences and tools with others in their communities. This may come in the form of employment skills, community planning, financial management, or any number of other features that foster the involvement of community members.

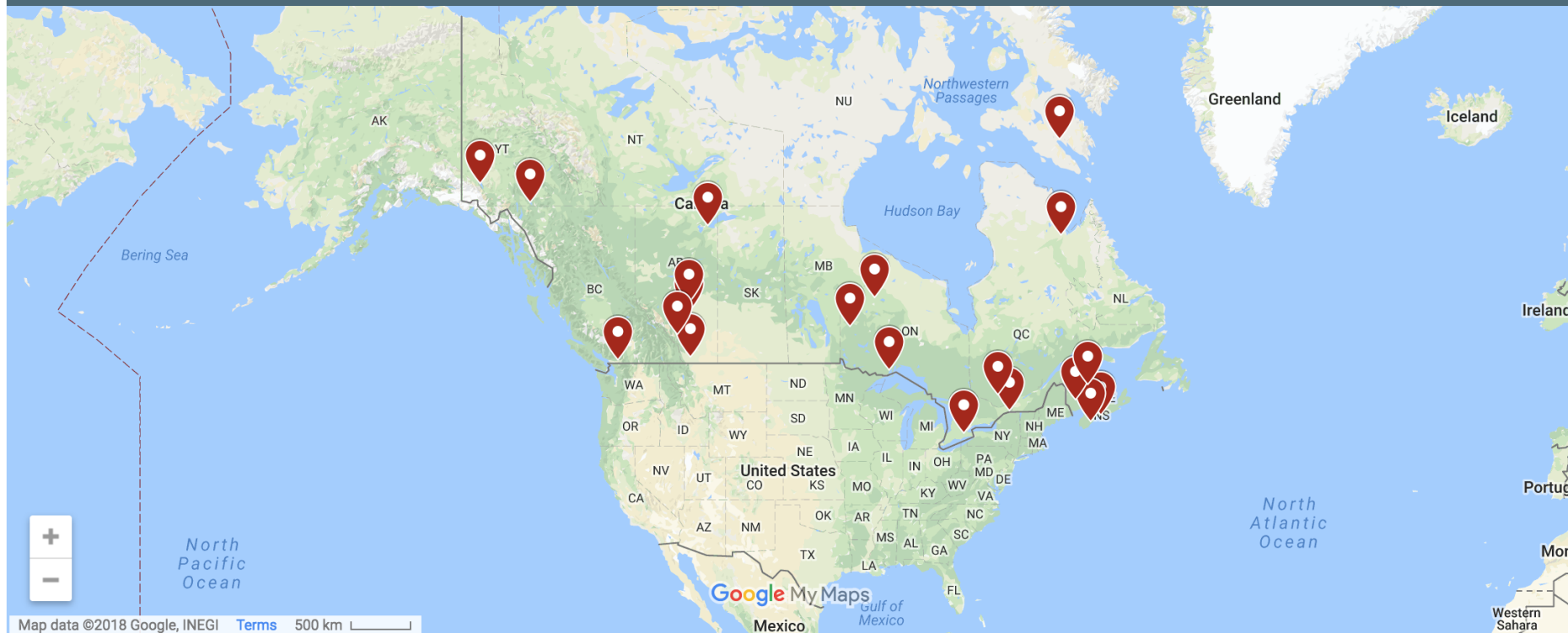


COMMUNITY READINESS

The ultimate goal of the 20/20 Catalyst Program is to help indigenous communities get to a point where they feel confident and prepared to partner on clean energy projects and get the most out of that partnership. Communities will be ready to capitalize on projects presented to them and seek out clean energy development opportunities of their own.



2017 Catalysts ★



European smart islands network



**Creating new pathways
for EU islands**

28
March
2017 | European
Parliament

1 Signing
Ceremony

12 co-host
MEPs

300 Islands

OUTRO

COLLABORATION — YOU AND THE GUIDE HERE

**Sustainable
development
is a long
haul. But
together we
can do it.**



Outro — At Samsø Energy Academy we want to share our experiences. This is why we have created the guide **HERE**. If you as an individual, a community, an organization or a corporation need further help or guidance we offer a number of services all aimed at providing a breeding ground for change.



Biogas 20/20

BioGas2020 



THE PROJECT

ACTIVITIES

NEWS

EVENT

PARTIES

CONTACT



SUSTAINABLE DEVELOPMENT OF BIOGAS

Together we create a Scandinavian Biogas platform

Biogas2020 working to Scandinavia will be the best in the world in the biogas - it contributes to a sustainable society and creates new jobs. To achieve this is our main goal to develop a Scandinavian platform where players can grow together.

[Read more](#)



Samsø gets the world's first biogas-ferry



09-10-2013 12:00:00



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Share



Share



Tweet



Samsø will be free of fossil fuels by 2030. The municipality has decided that the island's new ferry, SamsøFærgen, will be the first in the world to sail on biogas. It is part of the municipality's plan to be free of fossil fuels by 2030. Already in 2007, the island was self-sufficient in renewable energy.

"The special thing about it is that it will be the EU's first gas ferry. Initially, we'll be supplied on the gas from tank, id.asp?Id=17263&Titel=SamsøF8+gets+the+world%27s+first+biogas%2Dferry','540','420','0','1','1') en it becomes the world's first biogas ferry,



communities

=

biodiversity

+

+ people

bread and butter





Samsø Energiakademi
www.energiakademiet.dk

Heroes of the Environment

TIME

