



Living Labs “Billebogen” and “Flensburg Fjord Region”

When & Where

June 13th 2019 | LIVING LABS | Hamburg, Germany

June 14th 2019 | FIELD TRIP | Smart Region Eggebek, Germany

[Click here to register for LIVING LABS and FIELD TRIP](#) (open until June 1st 2019)

[Click here for the EVENT PROGRAM](#)

The North of Germany is the leading region for renewable and sustainable energy as well as mobility solutions in Germany. Within the EU Interreg “Northern Connections” project, the City of Hamburg as well as the State of Schleswig-Holstein would like to invite companies – especially small and medium sized businesses – to present their innovative ideas regarding an intelligent energy supply and smart mobility solutions for cities as well as a for rural areas.

Living Lab “Billebogen”: Do you offer smart concepts for an integrated energy supply or e-mobility infrastructure?

The City of Hamburg is the second largest city in Germany with approximately 1.8 million inhabitants and an annual influx of around 20,000 new inhabitants. The city is therefore committed to building more than 10,000 new houses each year as well as realizing new industry and office spaces. One of the new districts that are currently developed in Hamburg is the project “Billebogen”. It is realized by the HafenCity GmbH, who is planning to mix new-build offices with multi-layered commercial, industrial and manufacturing spaces on a total area of 230,000 square meters in the coming years. The challenges of the Living Lab “Billebogen” focus on an integrated and efficient energy supply system and providing a full e-mobility infrastructure. [Click here for further information.](#)

Living Lab “Flensburg Fjord Region”: Are you an innovator for urban district heating or sustainable mobility solutions for rural areas?

Located in the north of Germany directly on the Danish border, the “Flensburg Fjord Region” consists of the City of Flensburg with 95,000 inhabitants and the surrounding rural region Eggebek, consisting of 34 municipalities with another 67,000 inhabitants. Together, they form a national model region with the common ambitious goals of reducing their greenhouse gas emissions by 100 percent until 2050 compared to 1990 and also cutting their total energy consumption in half during the same time period. For the City of Flensburg and the local utility company Stadtwerke Flensburg GmbH, two of the three challenge owners of the living lab “Flensburg Fjord Region”, the focus lies on finding innovative ways of improving their urban district heating system. The Amt Eggebek, the third challenge owner of this Living Lab, is focused on sustainable solutions for combined renewable energy and glass fiber solutions (“smart region”) including small-scale power-to-X technologies (sector coupling). The implementation of these projects is mostly planned from 2019/2020 onwards. [Click here for further information.](#)

You are kindly invited to provide your innovative ideas, concepts and technologies for our Living Labs “Billebogen” and “Flensburg Fjord Region”

We are looking for solutions to the challenges stated below:

| Challenges | “Hamburg - Billebogen” | “Flensburg Fjord Region” |
|--|--|---|
| <i>District Energy Supply Solutions</i> | <ul style="list-style-type: none"> ▪ Intelligent connection of power, heat and cooling grids and systems ▪ Efficient inclusion of energy storage and demand side management ▪ Connect office with industrial and commercial energy consumption patterns | <ul style="list-style-type: none"> ▪ Large scale heat pumps (0.5 MW_{th} to 1 MW_{th}) using energy from sea water for district heating ▪ Low temperature district heating (LowEx) solutions ▪ Inclusion of solar thermal heating in district heating ▪ Load management system for 100 percent renewable electricity system including battery storage and bus charging ▪ Smart regional energy systems on renewable energies, power-to-X and glass fiber (sector coupling) |
| <i>Sustainable Mobility Solutions</i> | <ul style="list-style-type: none"> ▪ Develop charging infrastructure for a range of e-mobility vehicles and distribution ranges ▪ Include charging infrastructure capacities in overall energy supply system | <ul style="list-style-type: none"> ▪ Complete e-bus charging infrastructure for City of Flensburg ▪ Flexible, shared, supplemental, zero-emission “last mile” mobility solutions for rural areas |
| <i>Further/ Optional</i> | <ul style="list-style-type: none"> ▪ Improve the life-cycle impact of “Billebogen” by using Cradle-to-Cradle design principles | <ul style="list-style-type: none"> ▪ Flexible power and heat storage systems from single-household to district size |

Matchmaking: Unique opportunity to present your ideas and concepts to the decision makers of the projects “Billebogen” and “Flensburg Fjord Region”

On June 13th, you have the unique opportunity to present your solutions to potential buyers and discuss real business partnerships and opportunities at this Living Lab. Representatives of the HafenCity GmbH, the company that is realizing the “Billebogen” project in Hamburg, as well as the challenge owners of the “Flensburg Fjord Region”, the City of Flensburg, the Amt and Amtswerke Eggebek and the local utility company Stadtwerke Flensburg will be available during the day.

As an international innovator, you will be able to present and pitch your solutions to the full workshop audience as well as in short bilateral matchmaking meetings with the representatives and challenge owners of the projects “Billebogen” and “Flensburg Fjord Region”. During the day and in the evening, there will be time for further informal exchange with all workshop participants.

Establish valuable collaborations with other suppliers, pitch your products and services, learn more about the development of ambitious and sustainable energy and mobility roadmaps in the North of Germany!

TAKE PART AND OFFER US YOUR SOLUTIONS!

More information on the Living Labs:

[Click here for detailed Living Lab description “Billebogen”](#)

[Click here for detailed Living Lab description “Flensburg Fjord Region”](#)

Please register with your products, ideas and solutions for the Living Labs:

[Click here to register for LIVING LABS and FIELD TRIP](#) (open until June 1st 2019)

Please do not hesitate to contact Tom Mikus (tom.mikus@eehh.de) in case of any questions.

Event Location

Wälder Haus
Am Inseipark 19
21109 Hamburg

[Website](#)

[Google Maps](#)

Transportation

Commuter Trains S3 and S31, Stop: S Wilhelmsburg
Parking: Am Inseipark, Access from Neuenfelder Str.

Hotel Reservation Information

Raphael Hotel Wälder Haus
Am Inseipark 19
21109 Hamburg
+49 (0) 40 302 15 61 00

info@raphaelhotelwaelderhaus.de

A contingent of 20 rooms is reserved for this event until May 22nd.

Price per room and night: 99€ plus 14€ breakfast

Reservation Code: BSU

Field Trip Opportunity: Visit the Smart Region Eggebek

When & Where

June 14th 2019 | FIELD TRIP | Smart Region Eggebek, Germany

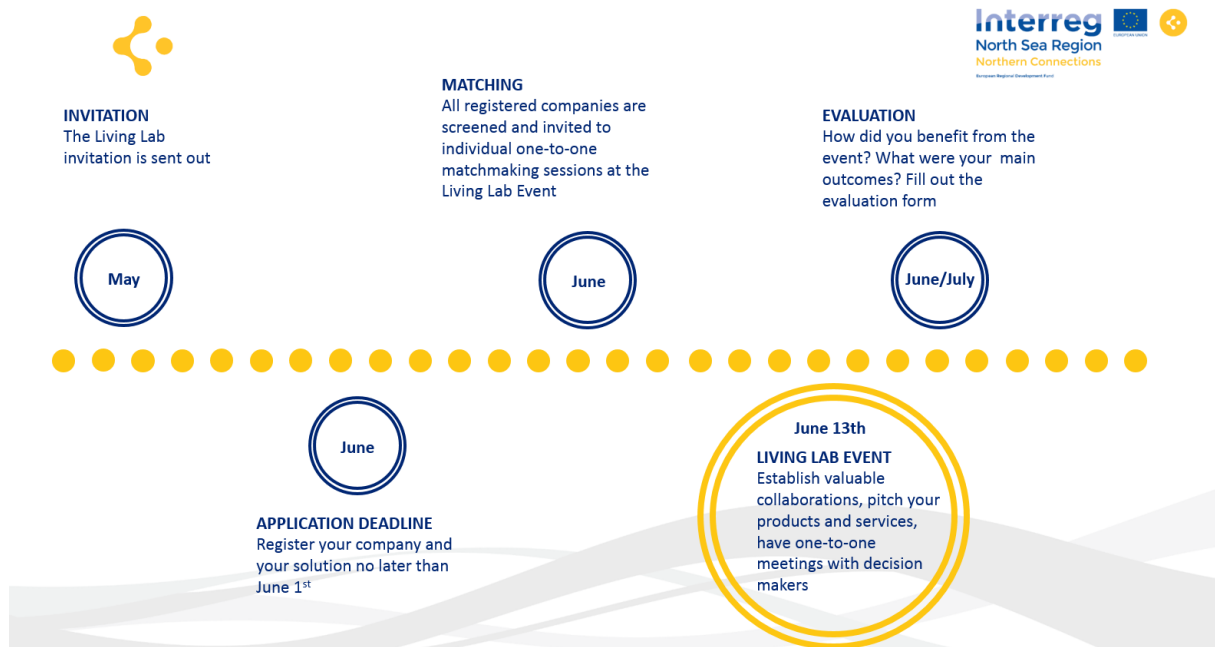
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On Friday, 14th of June 2019 you have the opportunity to visit the Smart Region Eggebek and meet the decision makers and project managers on site. The Amt Eggebek will present the current projects and challenges of the Smart Region Eggebek:

- **Amtswerke Eggebek (combines renewable energy and glass fiber solutions)**
- **Wind power field Janneby (Bürgerwindpark)**
- **Former military tank farm area (conversion area)**

In the morning, a shuttle service will bring you from Hamburg to the Smart Region Eggebek and after a small lunch you will be taken back to Hamburg or Hamburg Airport in the afternoon.

Timeline and process



Northern Connections is a partnership of 21 clusters, cities, regions and knowledge institutions, where we work together to create innovation connections between our enterprises and clusters in the energy sector. The aim is to increase the innovation potential across borders. In the project we look into how we involve enterprises from different countries in our living labs – and we develop tools for our clusters so that they can provide the right support for the enterprises.