



Four municipalities, Essen in Germany, Grenoble-Alpes Metropole in France, Toyota and Koriyama in Japan together have defined an urban cooperative action plan (UCAP) to tackle ecological transition issues and support the development of their respective innovative carbon neutral ecosystems.

Within this framework, the four municipalities are willing to take a step forward towards the ecological transition, by mobilizing their respective ecosystems, large companies, start-ups and SMEs, and help them accelerate the deployment of new solutions.

If you are a company (large, middle sized or SME) in one of the partner cities looking for solutions on new energy technologies and/or hydrogen, to address climate change challenges (for example in the areas of: generation of electricity from renewable energy sources and acceptance into the electricity grid ; energy conversion and storage ; embedded cyber security for energy systems; multi-energy microgrid system ; making mobility carbon neutral; improving the energy efficiency of buildings).

PARTICIPATE in the Joint Open Innovation online Pitches* (BtoB)

By participating

- You will be connected to **4 INNOVATIVE ENERGY ECOSYSTEMS**.
- You will **MEET online** with SMEs and start-ups from the other cities' ecosystems and **DISCOVER** new solutions on new energy technologies and/or hydrogen.
- **PITCHES** will be a **UNIQUE OCCASION** to meet with start-ups and SMEs from the three other cities
- The partners in the 4 cities will help you for the **FOLLOW UP** with your solution providers and help you **develop your NEW BUSINESS together**.
- Furthermore, you will become **part of an INTERNATIONAL NETWORK OF COMPANIES** from the 4 ecosystems.

How to participate ?

- Communicate on your **needs and challenges** and share them with us! **Submission deadline End of July!** See contact at the back.
- **We will identify solutions for you** in the other cities' ecosystems.
- **We will organize online meetings** between you and the start-ups and SMEs from the other ecosystems.

Please note the scheduled Joint Open Innovation Pitches sessions below. We will organize **4 pitch sessions**.

Session 1

Essen challenges

November 8th: 8 am-10 am CET
(4pm-6pm JST)

Session 2

Koriyama challenges

November 10th: 8 am-10 am CET
(4pm-6pm JST)

Session 3

Grenoble challenges

November 14th: 8 am-10 am CET
(4pm-6pm JST)

Session 4

Toyota city challenges

November 24th: 8 am-10 am CET
(4pm-6pm JST)

Sessions will be organized on an online platform (to be available in September) operated by Tenerrdis.

A brief illustration of the four ecosystems

If you have questions please contact:

In Koriyama :
yamada-taiki@city.koriyama.lg.jp

In Toyota city :
yuki-maeda@city.toyota.aichi.jp

In Essen :
Go.Theisen@ewg.de

In Grenoble :
anne-elisabeth.cotte@grenoblealpesmetropole.fr

Grenoble

Grenoble is recognized worldwide for its industrial and research clusters for five sectors: 'digital', 'energy', 'chemistry', 'health' and 'machinery'. The world's leading research institutions for alternative energy (CEA), neutron research (ILL) etc. as well as an internationally recognized university (UGA) are located here in the idyllic mountainous region in France. Schneider electric, Air Liquide, GE RenewableEnergy are part of the energy ecosystem in Grenoble beside dynamic SMEs like McPhy, HRS or Verkor.

Toyota

Located in the centre of Japan, Toyota City is a globally renown manufacturing hub with a very competitive automobile sector. In November 2019, the city declared it would become a 'Zero Carbon City', with a target to reduce CO₂ emissions in the city to virtually zero by 2050. To realize this goal, the city will maximize the use of renewable energy. Toyota City thinks this will be possible through stronger collaboration between the industry, academia, government and the private sector, and by promoting the use of cutting edge technology of the future, supporting lifestyles which are conscious of energy efficient behavior and the use of renewables, as well as by expanding the use of hydrogen.

Essen

Essen is located in the Ruhr region, which led Germany through the industrial revolution and the difficult years of post-World War II recovery with its coal and steel industry. Today, it is the location for a high concentration of research institutions and corporations that are leading Germany's energy transition. Essen is especially active in facilitating the development of hydrogen technology with three local companies (Westenergie, OGE and ThyssenKrupp) currently on the expert committee of the German Government's National Hydrogen Council. H2UB, a hydrogen hub for start-ups, industry and research is located in Essen.

Koriyama

Koriyama is the second largest industrial cluster in the northeast part of Japan with a strong farming and commercial sector. Aiming at realising a decarbonized society, Koriyama announced its commitment to reach virtually carbon neutral by 2050 in November 2019. The city is home to a number of research institutes, including Fukushima Renewable Energy Institute, AIST (FREIA), the only national research institute for renewable energy in Japan. Koriyama is promoting initiatives to realise a 'carbon-neutral city Koriyama', and a series of social experiments led by a motor corporation has begun in the logistics sector, for example, those on hydrogen fuel cell trucks in collaboration with local companies in the city.

*On-line B2B platform operated by Tenerrdis in Grenoble, a cluster that specialises in 'energy'. www.tenerrdis.fr/en

Tenerrdis
Auvergne-Rhône-Alpes



Partnership
Essen - Koriyama



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