



EUROPEAN COMMISSION
DIRECTORATE-GENERAL
REGIONAL AND URBAN POLICY



18th EUROPEAN WEEK of
REGIONS and **CITIES**

05>09 OCTOBER 2020 12>16 OCTOBER 2020 19>22 OCTOBER 2020



Overview of Urban Cooperation
Action Plan (UCAP)

of the Cities of ESSEN & KORIYAMA

*-Towards a future-oriented &
mutually-beneficial relationship-*

ESSEN



International cooperation for innovation in urban
development policy and practice: results and
perspectives from IUC ASIA (China, India, Japan)
13 Oct. 2020

Session 1: Green Deal
-Circular Economy & Energy Transition

CITY OF KORIYAMA (JAPAN)

Cooperation with: CITY OF ESSEN (GERMANY)

Yohei WATANABE

Chief, Business Creation Division



A European Union
Programme

Pilot Project - 'Maximizing Urban Cooperation for the Future: Towards a leading model of urban resilience, energy transition & open innovation'

Focal Point 1: Continued knowledge transfer & study tours

- Continued knowledge transfer on renewable energy as one of the main drivers for Green Deal and water management (climate resilience, rainwater and sewer management)
- Impending need to enhance resilience & disaster-preparedness. Explore the possibilities to collaborate on clean energy resources, e.g. the utilization of hydrogen
- Key takeaways from the study tour to Essen on Stadtwerke in Aug. 2019 - in an attempt to maximize utilization of local renewable energy sources and to realize a 'circulating and ecological economy' in Koriyama, the project to establish new local power producers and suppliers is currently underway.



Site visit of newly-building rainwater detention facility in Koriyama in May. 2019



Visit to one of the energy powerhouses in Essen paid by a business mission from Koriyama in Feb. 2020

Japanische Energie-Delegation zu Gast bei Oberbürgermeister Kufen

27.08.2019

Heute (27.8.) begrüßte Oberbürgermeister Thomas Kufen eine japanische Delegation im Essener Rathaus. In der 22. Etage hieß er die Delegierten rund um Prof. Dr. Ing. Yoshihito Ozawa, Vorsitzender der Delegation und Professor an der Fukushima University, und Yoshihiro Watanabe, zweiter Vorsitzender der



Prof. Dr. Ing. Yoshihito Ozawa,

Courtesy visit to Lord Mayor of Essen at study tour to Essen on Stadtwerke in Aug. 2019

Focal Point 2: Organizing joint seminars & business matching events, participating in trade fairs of renewable energy and medical device industry in each city

- Building business cooperation in renewable energy, medical device and healthcare industries - **Energize open innovation among academic and research institutes, private sectors underscoring the importance of Green Deal and the need of innovations in the age of COVID-19**
- Exploring possibilities to enter into German and Japanese markets and launch joint ventures by participating in trade fairs in each city - **Participate in 'E-world energy & water 2021' in Essen and 'REIF Fukushima' in Koriyama to seek for business opportunities**
- Sharing information on local major businesses among industrial support organizations in each city to prompt further business matching - **Organize online business matching events between private sectors in Essen and Koriyama**



Joint presentation at Fukushima-NRW Renewable Energy Seminar in Düsseldorf in Feb. 2020



Participate in 'E-world energy & water 2020' in Feb. 2020

Focal Point 3: Academic internship & student exchange programs

- Student exchange programme on Education for Sustainable Development and STEM Education in 2020 - **online exchange programme on SDGs, energy transition, Green Deal, etc. is schedule for the FY2020, in-person exchanges are hopefully planned for the FY 2021**
- Internship programme between the Faculty of Medicine, Duisburg-Essen University and the Southern Tohoku General Hospital in Koriyama sets to be launched in Summer 2020 - **postponed due to COVID-19**
- Two 17-year-old scholars from Essen were planned to be hosted in Koriyama on the Alfried Krupp pupils scholarship programme for practical business training in foreign countries - **postponed to April 2021 or 2022 due to COVID-19**



Meeting between medical institutions in Essen and Koriyama in Sep. 2019



Universitätsklinikum
Essen



Alfried Krupp von Bohlen und Halbach-Stiftung

Alfried Krupp pupils scholarship programme for practical business training, supposed to be the first internship in Japan.



Gymnasium an der Wolfskuhle in Essen

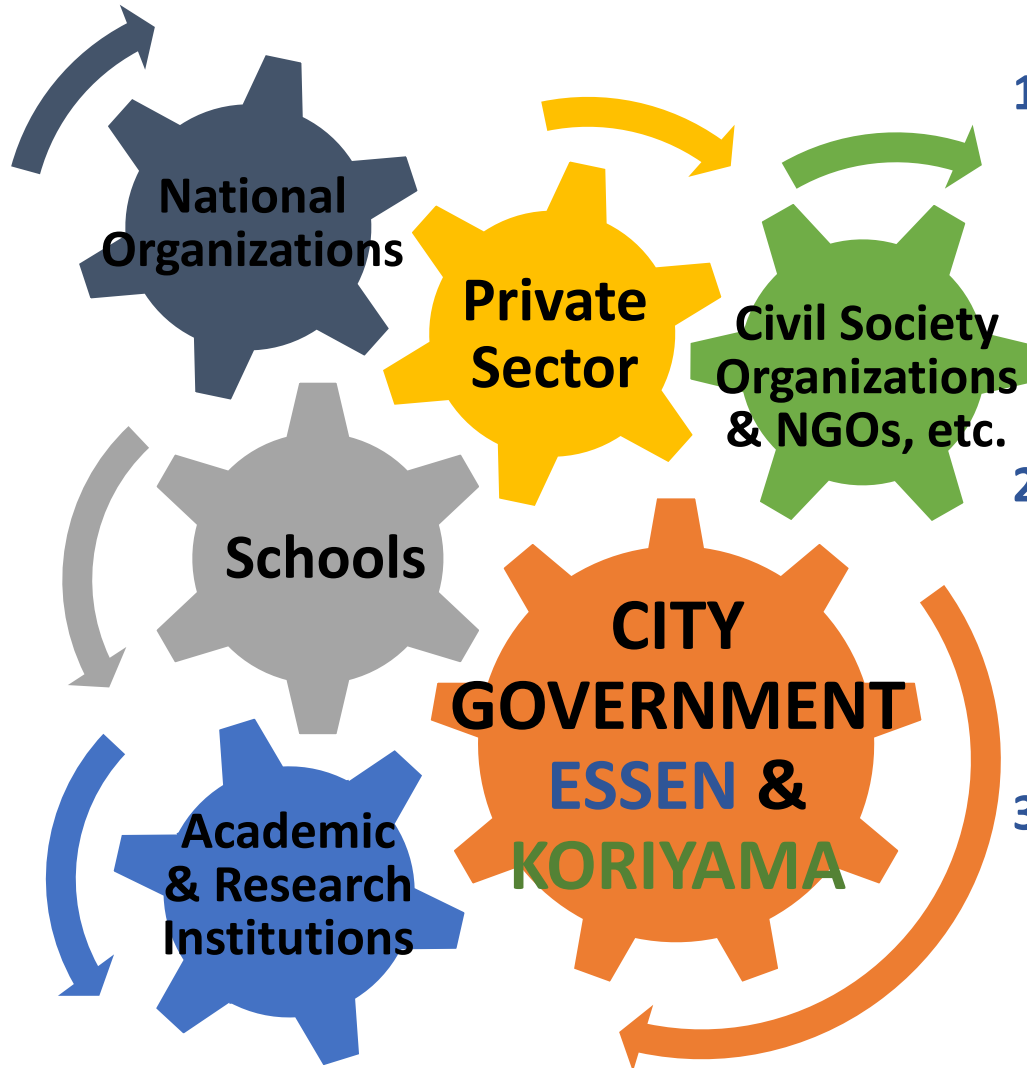


Fukushima Prefectural Asaka High School in Koriyama

Exchange programme scheduled in 2020 and 2021 between high school students

How were/are the thematic stakeholders successfully involved and engaged?

Maximizing Urban Cooperation for the Future - ESSEN & KORIYAMA



1. Renewable Energy

- KY: Fukushima Renewable Energy Institute, AIST (FREIA)
- KY: Energy Agency. Fukushima
- ES: Universities and other research institutions, e.g. Gas- und Wärmeinstitut e. V
- ES: Energy Agency. NRW

2. Medical Device Industry

- KY: Fukushima Medical Device Development Support Centre (FMDDSC)
- ES: Essen Economic Development Agency (EWG)
- ES: Essen.Health.Networked-Medical Society e.V.

3. Education and Development of Future Generations

- KY: Southern Tohoku General Hospital
- KY: Fukushima Prefectural Asaka High School
- ES: Faculty of Medicine, Duisburg-Essen University
- ES: Gymnasium an der Wolfskuhle
- ES: Alfried Krupp von Bohlen und Halbach-Stiftung

How are your cities planning to sustain the cooperation and implementation of planned actions?

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Alfried Krupp von Bohlen
und Halbach-Stiftung

3. Encourage exchanges between next generations

- Ripple effect-adding education and development of next generations as the next step forward to raise awareness on the cooperation

2. Expand the network & partnership

- Proactively including academic and research institutes, private sectors, etc. and promoting matching activities

1. Cross-sectional approach of city governments & city assemblies

- Breaking down the silos by strong leadership of mayors, gaining endorsement from city assemblies (citizens)

4. Promote communication & take full advantage of online tools

- Utilizing online meeting tools and energize communication

- REIF Fukushima: Oct. 28-29, 2020
- E-world energy & water 2021: Feb. 9-11, 2021 in Essen



'Maximizing Urban Cooperation for the Future: Towards a leading model of urban resilience, energy transition & open innovation'



Essen & Koriyama concluded the agreement on the continued cooperation in Sep. 2019

What is the added value of International Urban Cooperation?

Maximizing Urban Cooperation for the Future - ESSEN & KORIYAMA

Partnership
Essen – Koriyama



Logo image of the partnership
newly-designed in Sep. 2019



1. Invaluable relationship fostered in the IUC programme

- Friendship nurtured in the course of the IUC programme
- Continued knowledge transfer on good practices for common challenges
- Establish networks among research institutes, private sectors in diverse fields

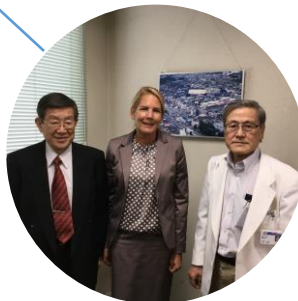


Signing ceremony for the
continued cooperation in
Koriyama in Sep. 2019



2. Foundation for open innovation in close collaboration among industry, academia and government

- Opportunities for open innovations in the fields of renewable energy and medical device industry
- Matching events vigorously promoted by city governments



3. Strengthened bonds between next generations

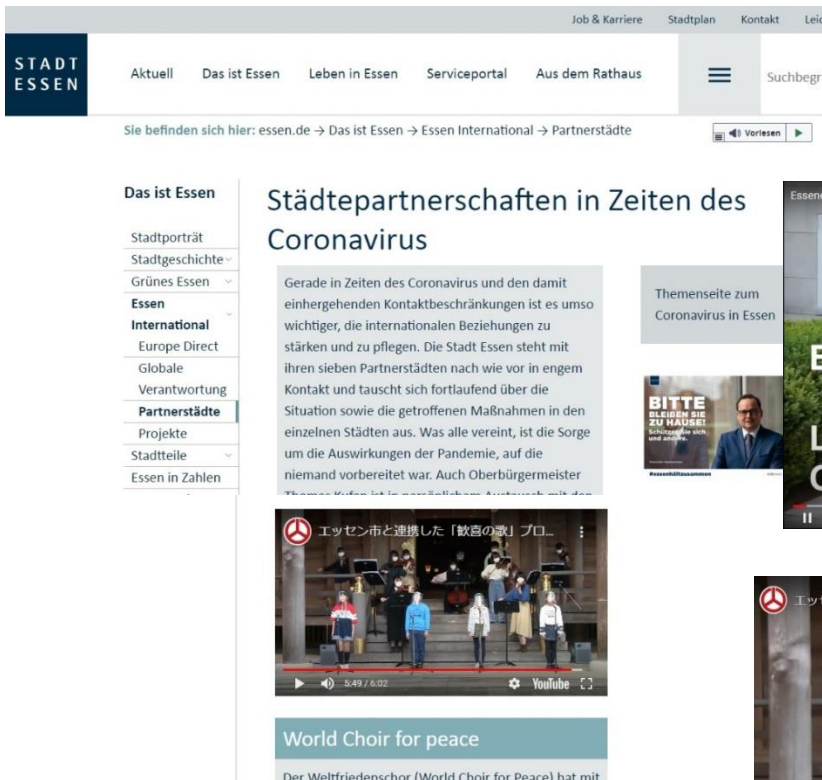
- Exchange programme between high school students
- Internship programme between medical institutions
- Pupils scholarship programme for practical business training

What is the added value of International Urban Cooperation?

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‘Symbol of cross-national solidarity’ Project - Sharing a sense of unity against COVID-19 proposed by Essen

Children in Koriyama joined ‘Symbol of cross-national solidarity’ project to share a sense of unity, empathy and encouragement against COVID-19 with Essen in May 2020



Joint Online Matching Event - Innovations in the age of coronavirus

Jointly-organized business matching events on newly-developed products as measures against COVID-19 in Nov. 2020



Autonomous
Cleaning &
Disinfection
Robot



Ready-to-assemble & quick deploy emergency room made of honeycomb cardboard panels utilized as care units for patients of COVID-19

https://www.essen.de/dasistessen/international/partnerstaedte/partnerstaedte_coronavirus.de.html

IUC Networks of interest to continue working under IURC

Maximizing Urban Cooperation for the Future - ESSEN & KORIYAMA

- ☐ 1 Urban Mobility, Connectivity & Transport
- ☒ 2 Smart Cities & Digital Transition
- ☐ 3 Urban Regeneration-Urban Renewal: Poverty reduction, Housing, Social
- ☒ 4 Circular Economy, Waste & Sustainable Production/Consumption
- ☐ 5 Urban Planning for Sustainable & Healthy Cities- Sustainable Land Use-NBS
- ☒ 6 Climate Action, Energy, Water & Air Quality
- ☒ 7 Innovation & Economic Growth-Strategic Sectors-Jobs & Skills



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Thank you for your attention!