

International Urban Cooperation JAPAN
5th Exchange Meeting of the EU and Japanese Cities
Wednesday, November 20th 2019



**Overview of Urban Cooperation
Action Plan (UCAP)
of the Cities of Essen and Koriyama**
*-Towards a future-oriented and
mutually-beneficial relationship-*

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ESSEN





Overview of UCAP *Cities of Essen and Koriyama*

1. Themes of Cooperation

Renewable Energy

Medical Device Related Industry

Water Management

Smart City

Regional and Urban Innovation,
Competitive, Inclusive and Sustainable
Economic Growth

Urban Transport

Education and Development of Future
Generations





Overview of UCAP *Cities of Essen and Koriyama*

2. Key Challenges of Cooperation Themes

Urgent need to enhance climate, social, and economic urban resilience to shocks and stresses

High demand for globally competitive and innovative industries in the fields of renewable energy and medical device

Development of next generations who bear the future of urban innovations and relationships between the cities of Essen Koriyama

Insufficient resources, which could cause inefficiency or failure of actions and have an impact on the outcome of the cooperation theme





Overview of UCAP *Cities of Essen and Koriyama*

3. Main Objective of UCAP

To enhance mutual understanding and strengthen the bilateral relationship for the purpose of achieving a prosperous future

To bolster local industries' competitiveness, create new businesses in each city

To create opportunities to learn 'advanced expertise and technologies which create the future of society', 'scientific thinking, decision-making and the ability of public relations', 'receptiveness to diverse and different values', 'active citizenship' and 'resilience'





4. Main Activities and Key Outputs

(1) Knowledge transfer, study tours, joint seminars, and joint research activities regarding:

Knowledge transfer on sewage sludge treatment and disposal in consideration of contained pollutants in Essen

Knowledge transfer on transformation of digester gas to biogas in sewage treatment plants and its utilization in Essen

Knowledge transfer on municipal water management in Essen (climate resilience, rainwater management sewer management)

Study tour to Essen on energy generation, storage, and savings





Overview of UCAP *Cities of Essen and Koriyama*

4. Main Activities and Key Outputs

(2) Joint seminars, business matching events and trade fairs in Essen and Koriyama with involvement of industrial circles for the purposes of:

Building business cooperation

Facilitating personnel exchanges of medical doctors and students and cooperation between medical institutions

Developing synergy effects and innovations in the fields of technology, processes and didactics for medical training centres

Creating a joint digital start-up platform

Developing storage and use of energy under the application of innovative energy carriers and technologies

Exploring possibilities to enter into German and Japanese markets and launch joint ventures

Sharing information on local major business enterprises in each city





Overview of UCAP *Cities of Essen and Koriyama*

4. Main Activities and Key Outputs

(3) Study tour on Stadtwerke to Essen by 'Fukushima Study Group on Energy Generation, Storage and Savings' in August 2019 (*Environmental Affairs Department, City of Koriyama*)

Visit to Stadtwerke Essen AG on water resources public corporation and house renovation project

Visit to Museum Folkwang and study on air-conditioning by Stadtwerke Essen

Courtesy visit to Lord Mayor of the city of Essen to strengthen the relationship





Overview of UCAP *Cities of Essen and Koriyama*

4. Main Activities and Key Outputs

(4) Visit to Koriyama by Lord Mayor of Essen and agreement on the continued intercity cooperation in September 2019

Visit to Mayor of Koriyama and Chirperson of Koriyama City Assembly

Organize Essen-Koriyama Joint Seminar

Visit to local enterprises, medical institutions and sports facilities related to Tokyo 2020 Olympic and Paralympic Games

Organize Signing Ceremony and Reception





Delegation Visit to Koriyama 2019 - Movie



Overview of UCAP *Cities of Essen and Koriyama*

4. Main Activities and Key Outputs

(5) Global culture, industry and agriculture promotion project in October 2019 (*Culture and Sports Department, City of Koriyama*)

***cancelled due to the Typhoon Hagibis**

Visit to Lord Mayor of Essen

Visit to innogy SE's ,Greenfuel Project', board the green methanol fuel cell powered ship

(6) Visit to Essen by Business Mission from Koriyama in February 2020

Visit to local enterprises and organizations concerned in Essen

Visit to ,E-world energy & water 2020', world-leading international trade fair on energy in Essen

Continued cooperation between the two cities to enhance resilience to heavy rains, one of the biggest challenges for the both cities was confirmed.



4. Main Activities and Key Outputs

(7) Academic internship and student exchange programs include:

An internship programme initiated by the Faculty of Medicine, Duisburg-Essen University which is conducted by the Southern Tohoku General Hospital in Koriyama in 2020

A student exchange programme by Fukushima Prefectural Asaka High School to promote innovative and scientific thinking in 2020

Two 17-year-old scholars from Essen are hosted in Koriyama on the Alfried Krupp Pupils Scholarship programme for practical business training





Overview of UCAP *Cities of Essen and Koriyama*

5. Expected Results - Benefits

Knowledge transfer of energy and water management

Development of a foundation for industries in close collaboration among industry, academia and government

Development of a foundation for the next generation in which globalisation, science and innovation serve as the basis of the education system





Partnership
Essen - Koriyama



**Thank you for your attention!
The strong bond and relationship of
the cities of Essen and Koriyama
lasts after the IUC program period!**