

## Trip report

**Date:** 8-12 Jan 2018

**Route:** Bangkok – Tokyo – Yokohama – Tsukuba

**Activity:** Research discussion, field trip, meeting with government agency and private company

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**As of:** 15 Jan 2018

### Schedule:

**Day 1:** Arrival day

**Day 2:** AM: Meeting with staffs from Yokohama city climate change sector  
PM: Meeting and site visit at Minato Mirai21 District Heat and Cooling (DHC)

**Day 3:** AM: Site visit at Tokyo Metropolitan Government building  
PM: Workshop at Ministry of Environmental Japan (MoEJ)

**Day 4:** Visit NIES in Tsukuba

**Day 5:** AM: Discussion with researchers from S14 project at IIS U of Tokyo.  
PM: Departure

### Attached figures:





## Detail of discussions:

### **Meeting with staffs from Yokohama city climate change sector**

- Thai side by KU and ONEP presented the NAP of Thailand, introduction of ADAP-T project.
- Yokohama city is taking the adaptation measures in action plan for global climate change that it in implementing in each sector and compiling them into cross-sector adaptation policy.
- The climate change policy sector promoted Yokohama smart city project in terms of energy saving and environmental for sustainability.
- The development plan of storm water drainage infrastructure has been created and improved for the near future development in order to reduce flood risk.
- The interesting issue is the city of Yokohama developed the storm water storage equipment by using public and private facilities such as parking lot, school playground and park.
- The storm water infiltration inlets were installed some houses with the government subsidy.

### **Meeting and site visit at Minato Mirai 21 District Heat and Cooling (DHC)**

- The development of the Minato Mirai 21 district began as a key project in the plans for strengthening the urban function of Yokohama City.
- DHC aims to construct a safe and comfortable city and reduce the environmental load of Minato Mirai 21 District by integrating the district's demand for cooling and heating and operating a regional heat supply system that controls the supply of heat both centrally and efficiently.

### **Workshop at Ministry of Environmental Japan (MoEJ)**

- Thai side by KU, ONEP and NRCT presented the NAP of Thailand, introduction of ADAP-T project and the climate change research strategy for Thailand.
- The vision of NAP of Japan is “Promoting adaptation measures to climate change impacts, to build a safe, secure and sustainable society that is able to minimize and avoid damages for life of citizens, properties, economics, and natural environment due to its impacts, and to be resilient against damages.”
- The climate change adaptation platform (A-PLAT) aims at being a basis for adaptation actions of local governments, businesses, and citizens. A-PLAT try to collect and provides climate risk information and best practices; develops tools to promote adaptation actions.

### **Visit NIES in Tsukuba**

- Thai side by KU and RID introduced ongoing sub-projects under ADAP-T.
- NIES presented comprehensive researches on climate change impacts and adaptation in Japan which are used to support NAP of Japan such as S4 and S8 projects.
- AP-PLAT (Asia Pacific Adaptation Information Platform) will be established by 2020 to share climate risk information via online with research institutes/universities in both developing/developed countries.

### **Discussion with researchers from S14 project at IIS U of Tokyo**

- Thai side by KU and ONEP presented the NAP of Thailand, introduction of ADAP-T project.
- S14 Project aims to provide quantitative and basic information for effective and efficient implementation of mitigation and adaptation for climate change.
- S14-2 try to investigate future predictions of ecosystem services change under various policy scenarios and relationships between global mitigation and local adaptation measures, to build the best mix of mitigation-adaptation measures.
- S14-3 analyze cost-benefit of climate change adaptation by using global information and try to find out more detail local information to fill it up.
- S14-4 are doing a case study on mitigation and local adaptation to climate change in an Asian Megacity such as Jakarta. The projection of urban climate under global and local scenarios together with C/B analysis of urban flooding and urban health will be clarified.
- S14-5 aims to estimate the costs of impact and adaptation policies consistent with global greenhouse gas emissions. Effect and cost benefits information for the case of implementing global climate change adaptation policies will be collected.