



JSPS Core-to-Core Program (B. Asia-Africa Science platforms) 研究拠点形成事業 (B.アジア・アフリカ学術基盤形成型)
“Integrated Water Resources and Environmental Management for Asian and African Mega deltas under climate change effects”

Agenda for the 2nd Seminar Project: Integrated Water Resources and Environmental Management for Asian and African Mega deltas under climate change

“Towards sustainability of Nile and Mekong River-delta water systems”

8-11 September, 2014
Tokyo Institute of Technology, Japan

Objective of the seminar: In this second seminar we expect fruitful discussion to plan and schedule joint research tasks effectively among participating institutions. We will have the great chance to meet for the first time in Tokyo, Japan. We will be delighted to host this event at Tokyo institute of Technology. Besides JMD members’ participation, we will invite Japanese researchers who are familiar with major problems in the Nile and Mekong River and delta. Additionally, we will invite active members from Egypt, Vietnam, Ethiopia and Cambodia. Their full travelling support and expenses during stay in Tokyo will be provided by the Japan Society for the Promotion of Science (JSPS) core-to-core program.

Morning session, Monday 8 September

Venue: Meeting room in Ookayama campus TIT, West Build. 8, room E-1001, 10th floor
See number 25 at map: <http://www.titech.ac.jp/english/maps/ookayama/ookayama.html>

8:30 Welcome speech and brief intro. of Mechanical and Env. Informatics Dept. (Prof. Nadaoka)

8:40 Introduction of Tokyo Tech and Civil Eng Department (Dr. J. Takemura)

8:55 Report of JMD activities and expectations from this seminar (Oliver)

9:05 Updates of current water research from HRI/NWRC (Prof. Mohamed Soliman)

9:40 Updates of current water research from EJUST (Prof. Negm)

9:55 Updates of current water research from Alex. Univ. (Dr. Haytham)

10:05 Updates of current water research from Bahar Dar Univ. (MSc. Mengiste)

10:20 Coffee break & visit to Nadaoka Lab (mainly international guests)

10:50 Updates of current water research from HCMUT (Dr. Phong)

11:05 Updates of current water research from Can Tho Univ. (Prof. Trung)

11:20 Updates of current water research from SIWRR (Dr. Toan)

11:35 Updates of current water research from ITC (Dr. Ly)

11:50 Plenary discussion of morning session

12:15 Lunch break (Main campus cafeteria)

Afternoon session, Monday 8 September

<https://sites.google.com/site/jspsmegadelta/home>



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13:30 Activities/plans for working group 1: Integrated Watershed and Coastal Zone Management (WG1)

13:50 Activities/plans for working group 2: Hydrology and Water resources (WG2)

14:10 Activities/plans for working group 3: Water quality and aquatic ecosystem (WG3)

14:30 Activities/plans for working group 4: Climate and social Scenarios (WG4)

14:50 Discussion about on-going activities and future plans in parallel 2 sub-groups (WG1+WG3;
WG2+WG4)

- Revision of compatibility of topics
- Evaluation of tasks per group per institution
- Schedule of task and correlation with common milestones
- How to support these tasks

16:00 Coffee break

16:30 Plenary discussion, how to carry out common activities among institutions

17:00 Summary of revised and agreed activities and tasks for this FY (Oliver)

17:15 Discussion about JMD joint review-paper part I (Dr. Yoshimura)

19:15 Welcome reception & poster session at second floor of Student Hall Cafeteria

See number 15 at map: <http://www.titech.ac.jp/english/maps/ookayama/ookayama.html>

Morning session (Mekong from upstream to delta), Tuesday 9 Sept

Venue: Meeting room in Ookayama campus TIT, Midorigaoka area, Build. 6, room # 1, 1st floor

See number 19 at map: <http://www.titech.ac.jp/english/maps/ookayama/midorigaoka.html>

8:30 Overview of water research groups in Tokyo Tech (Prof. S. Kanae)

8:35 Morphological change on a sandy beach due to climate change (Prof. Kuriyama, PARI/TIT)

8:50 Integrated Lake Basing Management of Inle Lake Myanmar (Dr. Ito, CTI)

9:05 Basin scale modeling of sediment transport in Mekong River Basin (Ms. Suif, Tokyo Tech)

9:20 Observed trends of Change in rainfall amount/pattern in the Tonle Sap-lake (Dr. Ly, ITC)

9:35 Evaluation of the hydrological change of Mekong river flow to the deltaic area based on the historical data at Kratie station from 1924 to 2012(MSc. Toan, SWIRR)

9:50 Surface water resources changes in the Mekong Delta under impacts of hydrological change and socio-economic development (Dr. Tri, Can Tho Univ.)

10:05 Understanding the complex nexus of environmental changes in the Vietnamese Mekong Delta (Prof. Trung, Can Tho Univ.)

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10:15 Coffee break (guests have chance to visit experimental laboratory)

10:50 Evaluate the effect of suspended sediment on nitrogen transformation to water quality of Sai gon river (Dr. Phong, HCMUT)

11:05 Impact of the upstream flow regime and livelihood activities along the river bank on the socio-economic development in the Mekong Delta in the context of climate change (Dr. Bay, HCMUT)

11:20 Assessment of heavy metals in water and sediment in Saigon basin and study on the correlation between water and sediment (Dr. Hanh, HCMUT)

11:35 Summary and selection of topics in Mekong to be addressed by JMD

11:50 Discussion and agreement best procedure to support those topics

- Strategies to carry out research on those topics
- Joint field survey
- Data collection and sharing
- List of research items and their potential financial source

12:20 Lunch break and poster session

Afternoon session (Nile from upstream to delta), Tuesday 9 Sept

13:30 Planform changes of Gumara River channel over 50 years (Upper Blue Nile basin, Ethiopia) (MSc. Mengiste, BDU)

13:45 A Proposed Framework for Water Resources Assessment and Management (Eng Abeer, EJUST)

14:00 Threats Affecting Sustainable Development of Nile Delta (Prof. Mohamed Soliman, HRI)

14:15 Quality of Irrigation and and Drainage Water in Nile Delta, Egypt (Prof. Negm, EJUST)

14:30 Sustainable Management for Grand Ethiopian Renaissance Dam on the Blue Nile River (Dr. Haytham, Alex. Univ.)

14:45 Summary and selection of topics in Nile to be addressed by JMD

15:00 Strategies to carry out research on those topics

15:45 Discussion and agreement best procedure to support those topics

- Joint field survey
- Data collection and sharing
- List of research items and their potential financial source

16:30 Coffee break

16:45 Plenary discussion

- Summarizing problems and needs in Mekong and Nile River-deltas



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-Define comparative indicators for Mekong and Nile River-deltas

-Strategy and schedule for comparative study

17:15 Discussion about JMD joint review-paper part II (Dr. Yoshimura)

Poster session

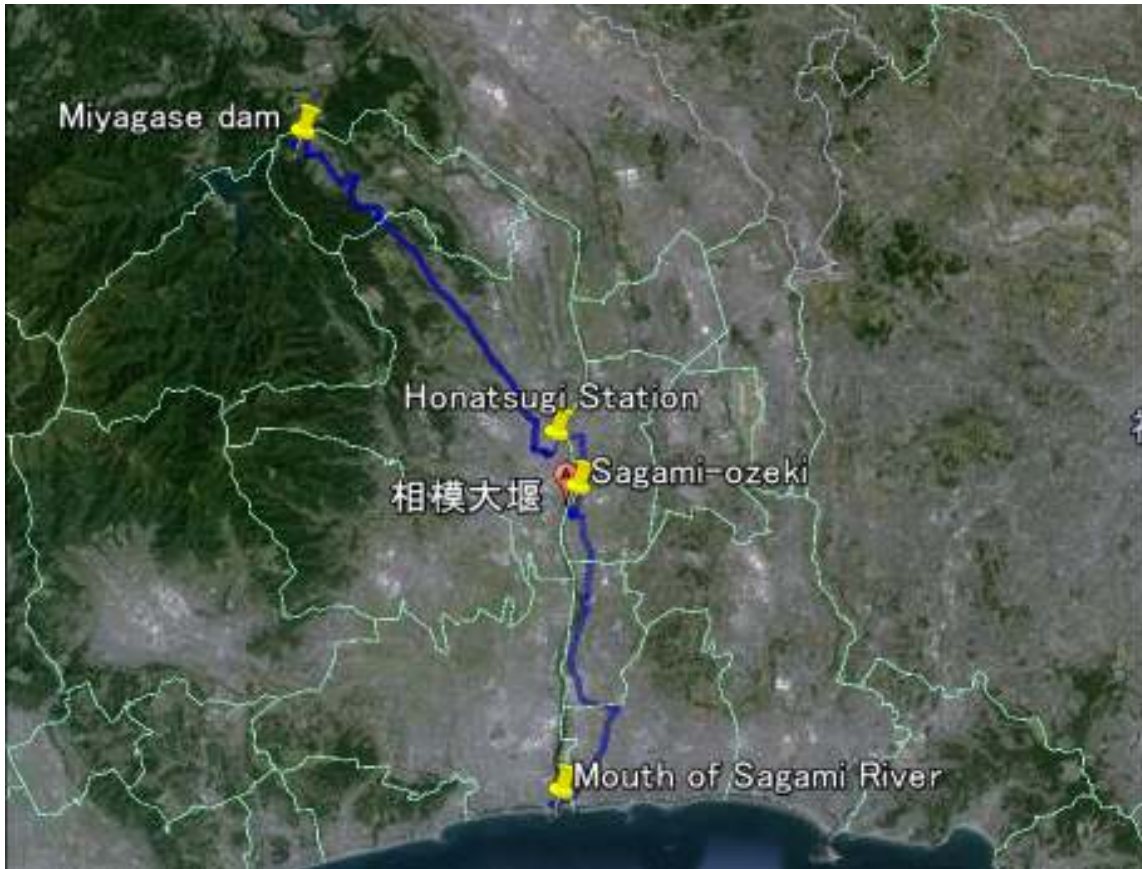
- 1) Development of In-Land Water Cycle Model in Nile River Basin(Asano, Kyoto univ)
- 2) Organic Matter Removal from Saline Agricultural Drainage Water by Moving Bed Biofilm Reactor (Mohamed, TIT)
- 3) Numerical Modeling of Coastal Nourishment at Rosetta Inlet, Egypt(Ali, TIT/EJUST)
- 4) The Potential of The Satellite Sata Sets to Define The Trends of Precipitation and Soil Moisture in MRB (Gomaibashi, TIT)
- 5) Quantification of peak discharge by initial soil moisture for flood disaster mitigation (Sakazume, TIT)
- 6) Effect of Clay Particles on Nitrification Process in Freshwater (Nga, TIT)
- 7) Projecting Future Development Scenarios of the Mekong Delta System under Multiple Impact Levels (Danet, TIT)
- 8) Hotspots identification for trans-boundary water conflict due to anthropogenic water use in the future (Ueki, TIT)
- 9) Hydrological simulation in the whole Mekong River basin (Arai, TIT)
- 10) Preliminary Assessment of Groundwater Flow and Seawater Intrusion in the Guimaras Island, Philippines using Groundwater Modeling System (GMS) (Ratha, UP)
- 11) Hydrology of Wadi Wateir in South Sinai Governorate for Sustainable Water Resources Management Islam Farouk (Alex. Univ)

Wednesday 10 September

8am-4pm, Visit Sagami river basin. Features include Miyagase dam, river morphology middle stream, mouth of the river and sand bypassing project. See details at next page (Coordinated by Gomaibashi-kun and TIT students)



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	Time	
Hon-atsugi Station (本厚木駅)	Arrival	8:45
	Departure	9:00
Miyagase dam (宮が瀬ダム)	Arrival	9:40
	Departure	10:30
Sagami ozeki (相模大堰)	Arrival	11:30
	Departure	12:30
Lunch	Arrival	12:45
	Departure	13:00
Mouth of Sagami river (河口)	Arrival	14:20
	Departure	15:00
Hon-atsugi Station (本厚木駅)	Arrival	16:20
	Departure	