

# ***The e-ASIA Joint Research Program***

Quarterly Activity Report - Summary  
(1<sup>st</sup> Quarter 2013)



e-ASIA JRP Secretariat

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### Program Administration

#### The 2<sup>nd</sup> ad hoc Board Meeting

1. The 2<sup>nd</sup> ad hoc Board Meeting was held via email at the end of February.
  
2. The following items were formally approved by the Board:
  - (1) Program related documents
    - Scientific Advisory Council Terms of Reference
    - Peer-Review Panel Terms of Reference
    - Guideline/Template for Collaborative Research Agreements
    - Guideline/Template for Joint Application Agreements for Intellectual Property Rights
    - Guideline/Template for Material Transfer Agreements
  - (2) Formal participation of the Ministry of Health of Cambodia
  - (3) Future activity plans (2<sup>nd</sup> Pilot Joint Calls for Proposals, 2<sup>nd</sup> Annual Board Meeting and Workshop in Lao PDR)
  
3. These topics will be reviewed at the 2<sup>nd</sup> Annual Board Meeting in June.

#### The 3<sup>rd</sup> ad hoc Board Meeting

4. The 3<sup>rd</sup> ad hoc Board Meeting was held via email in March.
  
5. The participation of the National Institute of Allergy and Infectious Diseases (NIAID) of the United States was formally approved by the Board.

#### The 2<sup>nd</sup> Annual Board Meeting

6. The 2<sup>nd</sup> Annual Board Meeting will be held on the 5<sup>th</sup> of June in Jakarta, Indonesia.
  
7. The Chair of the meeting will be the Ministry for Research and Technology (RISTEK) of the Republic of Indonesia.
  
8. A Workshop on “Disaster Prevention” will be held on the preceding day.

### New Members

1. The Ministry of Health, Cambodia (MOH)

Board member: Dr. Touch Sok, Director of the Communicable Disease Control Department

2. The National Institute of Allergy and Infectious Diseases, U.S. (NIAID)  
Board member: Mr. F. Gray Handley, Associate Director for International Research Affairs

3. NIAID is one of the 27 institutes and centers that make up the National Institutes of Health (NIH). NIAID conducts and supports basic and applied research to better understand, treat, and ultimately prevent infectious, immunologic, and allergic diseases. Its key research areas include newly emerging and re-emerging infectious diseases such as tuberculosis, influenza and HIV/AIDS, as well as biodefense and immune-mediated disorders including asthma and allergies.

### Joint Call for Proposals

#### The 2<sup>nd</sup> Pilot Joint Call for Proposals

1. The 2<sup>nd</sup> Pilot Joint Call for Proposals in the fields of “Infectious Diseases” was launched by the Japan Science and Technology Agency (JST) of Japan, the Ministry of Science and Technology (MOST) of Vietnam and the Department of Science and Technology (DOST) of the Philippines. It is expected that the successful project(s) will be formally approved at the 2<sup>nd</sup> Annual Board Meeting in June.
2. Another Pilot Joint Call for Proposals, in the field of “Functional Materials”, is planned to be conducted soon. Interested Members are now discussing the necessary arrangements.

### Researcher Interaction

#### “Infectious Diseases” Science Talk Luncheon

1. On March 12<sup>th</sup>, JST sponsored a Science Talk Luncheon during the 'U.S.-Japan Cooperative Medical Sciences Program Regional Conference on Emerging Viral Diseases 2013' organized by NIAID.
2. This luncheon aimed to introduce the e-ASIA JRP to the event participants and to further explore what opportunities there are for multilateral cooperative research in the field of Infectious Diseases in the East Asian region.

3. After a brief self-introduction, the 11 participants from the region were separated into 3 groups according to their specialism (1. Rotavirus and Gastroenteritis, 2. Dengue Fever and 3. Hepatitis) in order to discuss potential opportunities for international cooperation in their field.
4. Summaries of the discussions held at each table will be distributed via email soon. They will also be posted on the website.

#### Workshop in Indonesia

5. Back-to-back with the 2<sup>nd</sup> Annual Board Meeting, a workshop on “Disaster Prevention “ will be held on the 4<sup>th</sup> of June in Jakarta, Indonesia.
6. The objectives of this Workshop are to disseminate information on the e-ASIA Joint Research Program and to promote researcher interaction in the region.

#### Workshop in Lao PDR

7. JST is now consulting with the Ministry of Science and Technology (MOST) of Lao PDR to co-host a workshop at the end of July or the beginning of August this year.
8. The proposed theme is “Biomass”.

#### Ongoing Projects

1. One of the projects selected in the 1<sup>st</sup> Pilot Joint Call for Proposals: “Corrosion Mapping of Structural Materials in Asian Area with Understanding Effects of Environmental Factors”, began its research in November 2012 in Japan and Thailand and January 2013 in Vietnam.
2. The Principal Investigators are Dr. Chianpairot, Researcher at NSTDA National Metal and Materials Technology Center (MTEC) of Thailand, Dr. Le, Director at VAST Institute of Materials Science of Vietnam and Dr. Shinohara, Group Leader at NIMS Materials Reliability Unit of Japan.
3. Corrosion mapping is a non intrusive (non invasive) technique which maps material thickness using ultrasonic techniques. Variations in material thickness due to corrosion can be identified and graphically portrayed as an image.

4. (Abstract of the Project) In each country, structural metallic materials will be exposed in-parallel with sensors for in-situ measurement of meteorological data and atmospheric corrosion conditions. New types of sensors and methods to analyze the sensor outputs will be developed by the Japanese researchers, and those environmental and corrosion factors suitable for corrosion conditions in the Asian region will be selected and listed in the “Data Base” by researchers from Thailand and Vietnam. The “Atmospheric Corrosion Data Base” and “Corrosion Maps” for metals in Asia will be established by sharing data among partners, and then recommendations will be made for the standardization of evaluation/classification methods suited to the Asian region.
  
5. This research aims to create corrosion maps for structural metallic materials in Asian countries based on a database of environmental and corrosion factors, and to make suggestions for the standardization of classification methods suited to corrosive environments in the Asian region.

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