



**- Making a Difference -**

Scientific Capacity Building & Enhancement for Sustainable Development in Developing Countries

Final Report  
Project Reference Number: CBA2014-13NSY(AOF)-PARR

# Pan-Asia Risk Reduction Fellowship Program

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United States  
Global Change  
Research Program



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**Project Reference Number:**

***Pan-Asia Risk Reduction Fellowship Program***

**Final Report submitted to APN**



## OVERVIEW OF PROJECT WORK AND OUTCOMES

### **Non-technical summary**

The Pan-Asia Risk Reduction (PARR) Fellowship Program offers unique research, training and educational opportunities to Asian researchers, practitioners, and policy makers to enhance their capabilities for advancing and applying knowledge on critical issues of GEC and risk in the Asia-Pacific. The 2014-2015 PARR Fellowship Program provided Fellowships for scientific capacity development on the topic of urban disaster risk and vulnerability under global environmental change.

### **Keywords**

Capacity building, fellowships, global environment change, risk reduction, urban disaster risk and vulnerability

### **Objectives**

The main objectives of the project were:

1. Train a cadre of young Asian scientists and professionals in advanced understanding and management of the complex relationships between GEC and human and environmental security;
2. Strengthen the capacities of a spectrum of regional institutions (e.g., universities, research institutions, NGOs, government agencies, the private sector) to provide relevant opportunities for inter- and trans-disciplinary research, education and application; and
3. Nurture a collaborative and sustainable network of such individuals and institutions so that it becomes an active resource for promoting and facilitating future research, decision-making, and action in and for the region.
4. Foster South-South collaboration' exchange of information, knowledge and experience.

### **Amount received and number years supported**

The Grant awarded to this project was:  
US\$ 30,000 for one year

### **Activity undertaken**

The Pan-Asia Risk Reduction Fellowship Program is a comprehensive fellowship opportunity for early to mid-career researchers in Asia to advance their knowledge and skills in research and action on risk reduction. This PARR program involved a series of capacity building activities with 13 Science or Policy-Practice Fellows from throughout Asia. The theme of the 2014/2015 PARR Program, the inaugural round of the program, was urban disaster risk and vulnerability under global environmental change.

The activities of the PARR Fellowship Program can be grouped into three types. First, a critical component of the PARR program entails a fellowship residence at a Host Institution where Fellows learn from the experiences and skills of another regional institution. This cross-cultural and cross-institutional exchange provides an opportunity for Fellows to gain a regional perspective on issues of risk reduction and return to their institutions with added insights. The 2014/2015 PARR Fellows participated in a residence of two to four weeks at one of four institutions (Kyoto University, Japan; Manila Observatory, Philippines; University of Los Baños, Philippines; and National Science and Technology Center for Disaster Risk Reduction, Taiwan).

Second, PARR Fellows and representatives from the host institutions participate in integrative activities that begin and end the fellowship period. The Inception Meeting and Culmination

Conferences provide Fellows and institution representatives a space to develop collaborations, share experiences, identify expectations, and provide thematic and process-oriented insights to inform the fellowship. The 2014/2015 PARR program organized an Inception Meeting during July 2014 in Manila, Philippines, hosted by Manila Observatory. The Culmination Conference of this inaugural round was held in March 2015, hosted by Thammasat University and SEA-START in Bangkok, Thailand. Finally, a competitive call for applications enabled Fellows to further develop the research and skills learned during the residence by implementing follow-on projects in their home countries. These small grants provided opportunities for Fellows to use their newly gained skills and knowledge to advance their goals and fellowship outcomes. Several Fellows used their projects and experience towards their PhD completion. In addition, the follow-on grant experience affords the Fellows exposure to how to manage grants, including reporting and contracts. The 2014/2015 PARR program awarded four three-month follow-on project grants.

## **Results**

- Thirteen Fellowships awarded from seven countries throughout Asia.
- Fellowship residencies at Host Institutions in the Philippines (2), Japan, and Taiwan.
- Inception Conference to introduce Fellows, meet Host institutions, and begin to build a collaborative network.
- Competitive call for proposals for Fellows to pursue follow-on project grants for exploratory research, trainings or workshops, or proposal and publication development.
- Culmination Meeting to reflect on the experiences of the implementation of the inaugural round and to provide a platform for fellows to present and synthesize results.

## **Relevance to the APN Goals, Science Agenda and to Policy Processes**

The PARR Fellowship Program addresses the thematic focus and goals of APN. The PARR program focuses on issues of risk reduction, associated with global environmental change and sustainable development. The 2014/2015 Fellows centered on a range of risk and global environmental change issues including social vulnerability to floods, science and risk communication, institutional and community adaptive capacity to floods, and flood loss and damage. The wide variety of topics speaks to the complexities of risk in Asia and the need for sustainable development to reduce the impact of risk.

The PARR Fellowship Program is inherently capacity development for Asian scientists and institutions to achieve strong science to inform action. The PARR program focuses on regional exchanges for fellowship residence to foster cooperation across the region. The emphasis on science and policy-practice fellowships seeks to facilitate interactions between science and practice. In addition, the emphasis on strong institutional engagement of Home and Host institutions with Fellows works towards establishing connections and networks for regional collaboration on risk reduction.

## **Potential for further work**

The PARR Fellowship Program was established through a collaborative effort of regional and international organizations, identified as the PARR Alliance, with experience in capacity building and risk reduction. Under the collaborative efforts of the PARR Alliance, the PARR Fellowship Program will continue with future cohorts of Fellows through generous support of a range of financial and organizational support. The next round of Fellowships is expected to be announced in late 2015 and

will occur over a period of one year.

### **Publications (please write the complete citation)**

Oktari, R. S., Shiwaku, K., Munadi, K., Syamsidik, & Shaw, R. (2015). A conceptual model of a school–community collaborative network in enhancing coastal community resilience in Banda Aceh, Indonesia. *International Journal of Disaster Risk Reduction*, *12*, 300-310.  
doi:<http://dx.doi.org/10.1016/j.ijdr.2015.02.006>

### **Acknowledgments**

We would like to acknowledge the noteworthy collaboration of the PARR Alliance, a collection of science-focused, research, education and capacity building organizations that share a common goal and complementary track records for advancing resilience and sustainability in the Asia-Pacific. In addition, we appreciate the financial and administrative support of the Oscar M. Lopez Center (Philippines), Kyoto University (Japan), Manila Observatory (Philippines), National Science & Technology Center for Disaster Reduction (Taiwan), University of Philippines Los Baños, and Thammasat University (Thailand). Finally, we recognize the financial support of APN, the United States Global Change Research Program, and the International Centre of Excellence for Integrated Research on Disaster Risk (IRDR-Taiwan).





### **Preface**

The Pan-Asia Risk Reduction (PARR) Fellowship Program offers unique research, training and educational opportunities to Asian researchers, practitioners, and policy makers to enhance their capabilities for advancing and applying knowledge on critical issues of GEC and risk in the Asia-Pacific. The 2014-2015 PARR Fellowship Program provided Fellowships for scientific capacity development on the topic of urban disaster risk and vulnerability under global environmental change.

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## 1.0 Introduction

Urgent and sustained action to build more resilient and adaptive development pathways is needed in Asia to effectively address the environmental risk and human security challenges emanating from current and future global environmental change and associated drivers of change. Proactive approaches are needed that enable integrated and strategic understanding and management of the increasing complexities arising from these challenges. New knowledge and skills must fill critical gaps that persist in the region, even given the multitude of successes of existing efforts and organizations. In addition, emerging leaders who ask questions of the status quo, think “outside the box” in addressing national, regional and global challenges, and inspire others to do the same must be nurtured. Such efforts must move beyond the recent proliferation of workshops and passive, web-based knowledge portals to a comprehensive strategy for reinvigorating research and education efforts, particularly related to disaster risk reduction (DRR) and vulnerability, impacts, and adaptation (VIA) research across environments and sectors. The expected degree of success in undertaking such approaches also demands having a well-informed citizenry, responsive institutions, and knowledge generation that is problem-driven and solution-oriented.

The Pan-Asia Risk Reduction (PARR) Fellowship Program offers unique research, training and educational opportunities to Asian researchers, practitioners, and policy makers to enhance their capabilities for advancing and applying knowledge on critical issues of GEC and human-environment security in the Asia-Pacific. “PARR Fellows” are matched with a mentor at a Host Institution where they carry out individually designed risk reduction projects while also strengthening communication skills, thus equipping them to produce, communicate and apply science that is relevant and usable across the science-policy-practice interface. All PARR participants and their institutions are involved in periodic integrative activities that promote additional skill-building and the development a cohesive network of people capable of confronting the challenges of GEC and human-environment security through risk management. The PARR Program is a currently being pioneered by an international alliance of science-focused, research, education and capacity building organizations that share a common goal and complementary track records for advancing resilience and sustainability in the Asia-Pacific.

The principal objectives of the program are to:

- Train a cadre of young Asian scientists and professionals in advanced understanding and management of the complex relationships between GEC and human and environmental security;
- Strengthen the capacities of a spectrum of regional institutions (e.g., universities, research institutions, NGOs, government agencies, the private sector) to provide relevant opportunities for inter- and trans-disciplinary research, education and application; and
- Nurture a collaborative and sustainable network of such individuals and institutions so that it becomes an active resource for promoting and facilitating future research, decision-making, and action in and for the region.
- Foster South-South collaboration' exchange of information, knowledge and experience.

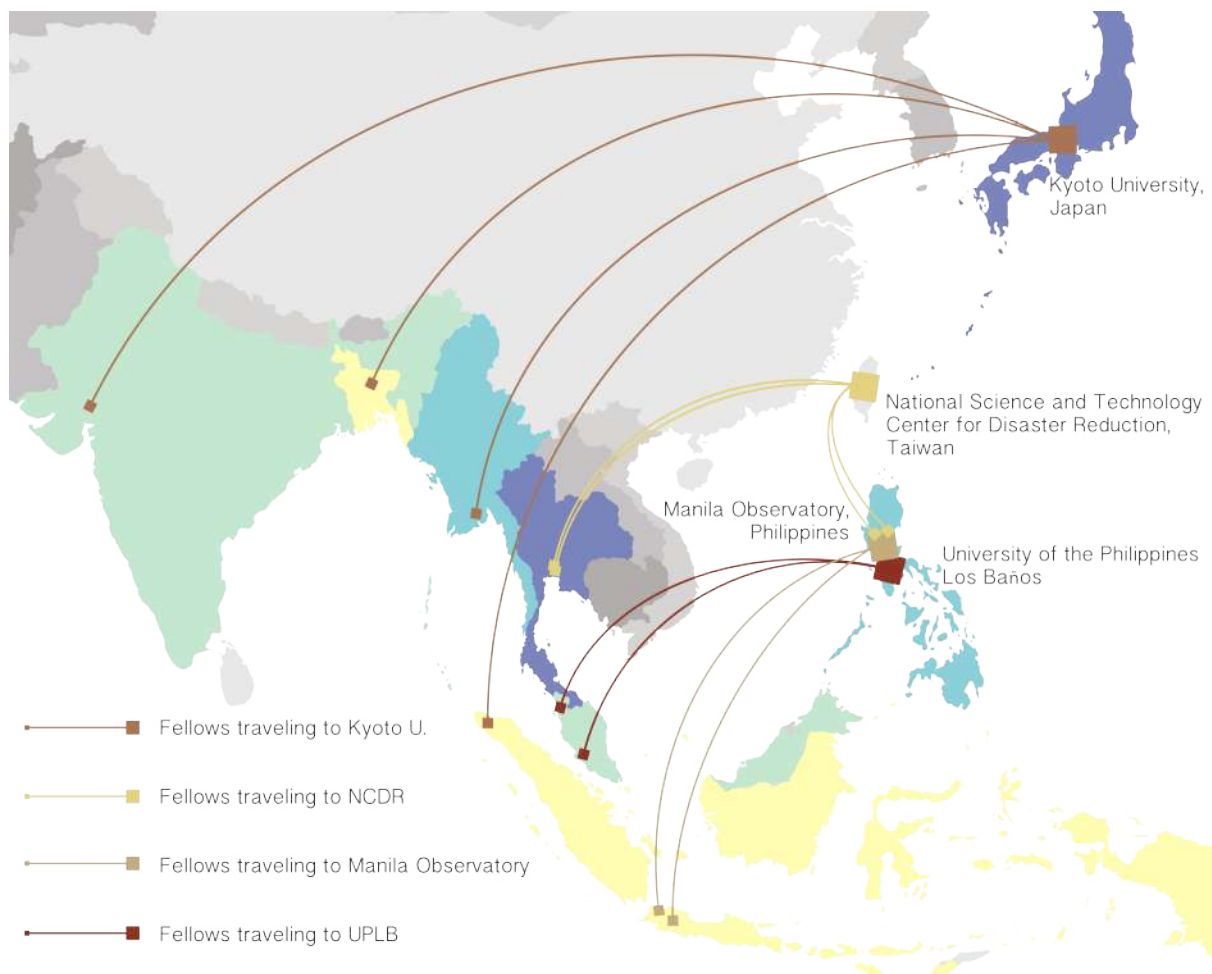


## 2.0 Methodology

The PARR Fellowship Program was established through a collaboration of regional and international science-focused, research, education and capacity building organizations during a meeting in September 2013. The organizations formed the PARR Alliance that supported the inaugural round of the PARR program through generous human and financial resources. The inaugural round of the PARR program provides an opportunity to advance the goals and visibility of the PARR program.

The inaugural round of the PARR program worked with four Host Institutions identified by the PARR Alliance. The Host Institutions – Kyoto University (Japan), Manila Observatory (Philippines), University of Los Baños (Philippines), and National Science and Technology Center for Disaster Risk Reduction (Taiwan) – represent a diverse range of programs on risk reduction and a history of strong mentorship and training. Given the strengths of the PARR Alliance and of the identified Host Institutions, the PARR Alliance identified a theme of *urban disaster risk and vulnerability under global environmental change*, with a particular emphasis on coastal cities.

The Fellows of the inaugural round of the PARR Fellowship Program were identified through a pointed call for applications with PARR Alliance members and networks to fill a limited number of available Fellowships. PARR Fellows were invited to apply in teams of two – one Science Fellow and one Policy or Practice Fellow – to participate in a one-month fellowship residence and integrative activities. Call for applications were elicited from nine institutions (Home Institutions) in seven countries for a total of 13 Fellows (See Figure 1 and Appendix A).



**Figure 1. Map of Fellowship exchanges between Home and Host Institutions**

The 2014-2015 PARR Fellowship Program experience occurred over eight months, from July 2014 to March 2015. The fellowship period began with a two-day Inception Conference hosted by Manila Observatory (Philippines), a PARR Alliance member. Fellows and Home and Host institution representatives shared expectations for the Fellowship and began to develop a network of researchers and practitioners across Asia. The first-day of the conference focused on introducing all participants to the PARR program, including external representatives. Fellows gave brief presentations on their research interests, participated in an activity to establish expectations, and engaged in conversations with the PARR Alliance and representative institutions on disaster risk reduction led by Professor Rajib Shaw. During the second day, Fellows explored Manila on a field trip of disaster risk in the city. A list of all Fellows in attendance and the Inception Conference program can be found in Appendix B and C.



During October and November 2014, the Fellows attended their fellowship residence at the Host Institution for targeted training and partnership building. Fellows used the residence to conduct original research, participate in trainings, receive mentorship, give presentations at the Host Institution, and complete a deliverable, such as an academic paper or project proposal. For example, four Fellows were in residence at the National Science & Technology Center for Disaster Reduction (NCDR), in Taiwan, where they participated in a training on post-disaster recovery hosted by NCDR, presented at the International Centre of Excellence for Integrated Research on Disaster Risk (IRDR) at Academia Sinica, visited NCDR field sites, and were mentored by the diverse expertise of NCDR. Fellowship residence ranged from two weeks to one month and the PARR program through generous support of several institutions covered costs and provided living stipends to the Fellows.

PARR Fellows were invited to apply for a competitive follow-on project grant to further develop what was learned during the Fellowship residence. Eight Fellows applied for the follow-on project grant and the available funds enabled the support of four project grants from \$2,000 to \$5,000. The grants ranged from the creation and testing of a decision support system in the Philippines, a damage and loss analysis of flood risk in Malaysia, an analysis of the linkage between poor urbanization and disaster in India, and validation of a framework for school-community collaboration for coastal community resilience. Fellows had three - six months to implement the projects during 2014-2015.

In March 2015, PARR Fellows, Host Institution representatives, and the PARR Alliance gathered for the inaugural round PARR Culmination Conference. The Culmination Conference provided an opportunity for Fellows to present their research and experience as PARR Fellows, to engage in dialogue with the PARR Alliance, and continue to establish a network of researchers and practitioners engaging in research on risk reduction in Asia. In addition, Alliance members, Fellows,

host institutions, and home institutions were able to reflect on the experiences on the implementation of the inaugural round, to identify and strengthen the competitive advantage of the program and assess the challenges and opportunities for its continuation.

The first day highlighted the current state of risk reduction research with special reference to the recently-drafted Sendai Framework which declares the four priority areas for disaster risk reduction: 1) understanding disaster risk; 2) strengthening disaster risk governance; 3) investing in disaster risk reduction; and 4) enhancing disaster preparedness. The remaining sessions were allotted for “PARR Cafe Dialogues” to allow Fellows to share their experience, research project, and future collaborations with their cohort and Alliance members. Conversations led to valuable comments and recommendations for how Fellows could move forward with their work.

The second day provided a venue for the Fellows and PARR Alliance Members to share their reflections and experiences on the Inaugural Round of the Program and to provide recommendations for the next round, such as the need for joint transdisciplinary approach to research, a clear fellowship structure, mechanism for research interest alignment between fellows and host institutions, built-in activities for exchange between fellows, establishing the roles of the Fellows in the sustainability and continuity of the program, and the selection of research themes and topics based on the Sendai Framework priority areas.

The third day was held in conjunction of the annual conference for the Coastal Cities at Risk project. The meeting brought together researchers from the Canada, Thailand, Philippines and Nigeria. A representative of governor Mr. Sukhumbhand Paribatra attended the meeting to provide the welcoming address, along with an opening address from the Canadian Ambassador to Thailand, Mr. Philip Calvert. The opening day also had two panel sessions moderated by representatives from the Thai Public Broadcasting Service. These panel discussions focused on perspectives of urban climate resilience building and educating and communication climate change information. The Fellows were able to network, share experiences, and learn from this five-year project on urban issues. A list of all Fellows in attendance and the Culmination Conference program can be found in Appendix D and E.



### 3.0 Results & Discussion

Several strengths and accomplishments are evident in the 2014/2015 inaugural round of the PARR program. Key outputs of the Fellowship experience thus far include:

- The completion of 13 PARR Fellowships, including fellowship residence periods of 2-4 weeks in duration, implementation of four competitively-awarded follow-on project grants and a successful inception meeting.
- Reflection from Fellows about the importance of the international exchange for learning new methods and skills for implementing risk reduction research, experiencing different approaches to risk reduction, collaborating with a variety of mentors and graduate students, and general cultural exchange.
- One Fellow (Okta) has already published an article on her PARR-related work in the International Journal of Disaster Risk Reduction. Several Fellows have given subject matter lectures at both their Home and Host Institutions, and others have presented on their PARR-related work and fellowship experiences, including presentations at Academia Sinica and the IRDR ICoE in Taiwan.
- With Fellows as the link, some Home and Host Institutions are developing partnerships on other activities; this is especially evident in the relationship between NCDR and Manila Observatory.

We expect other examples of strengths, accomplishments, outputs and emerging outcomes to be realized in the coming months.

The implementation of the PARR inaugural round revealed several challenges and opportunities for the second round of PARR Fellowships:



- *Length of the Fellowship period:* A Fellowship residence of one month was too short for Fellows to truly gain experiences and skills from the Host Institution. And some Fellows only stayed in residence for two weeks. While several PARR Fellows expressed having many new experiences to take back to their Home Institution, there would be greater impact with a longer period of time in residence.
- *Engagement of policy and practice:* The inaugural round of the PARR program combined the PARR Research and Practice-Policy Fellows into two-person teams. We found that collaboration amongst the teams was often limited due to inadequate planning of the two-person teams or the inability of the teams to participate in their residency at the same time. As policy and practitioner involvement is a key niche in the PARR program, there is great opportunity to re-envision the involvement of policy or practice participants in the PARR program, as described below.
- *Home Institution engagement:* In the limited time period of the inaugural round, there was little time to engage with Fellows' Home Institutions to foster an added benefit for Home Institutions in permitting their employees to become Fellows to participate in the Fellowship residence. Further engagement with Home Institutions through their participation in integrative activities and through other network building efforts could be expected to develop connections and collaborations between Home and Host Institutions with Fellows as a catalyst.
- *Network building:* Due to the short Fellowship period and inadequate funding for dedicated staff time for PARR implementation, network building amongst Fellows and between Fellows and Home and Host Institutions received limited attention from the program managers or PARR Alliance members. Such networks and the future opportunities that grow from them are a critical and hugely influential outcome of a Fellowship program. This component of PARR requires and deserves time and strategic thought.
- *Logistics:* Given the condensed timeline and swift implementation of the inaugural round of PARR, several key logistical pieces could not be adequately implemented, including the call for applications process and the accountability for outputs. Future rounds of the PARR program will require additional thought in guaranteeing the most qualified Fellows that will follow through with notable outputs.

#### 4.0 Conclusions

The PARR Fellowship Program is designed to provide holistic fellowship experiences that support participants from proposal development through research/project implementation to dissemination and application of results and outcomes. Program opportunities prioritize a transboundary and cross-sectoral approach to understanding and reducing risk, which enhances the capacity of Fellows to confront GEC and human-security challenges from an integrative perspective. A PARR Fellow becomes a regional leader in risk reduction who, through this program, gains skills in 'systems' perspectives, futures literacy and effective communication and synthesis. PARR Fellows also acquire practical skills in project and budget management and networking. Each round of fellowships produces a trained cohort of researchers, practitioners, and policy makers who are able to support resilient development in the Asia-Pacific region to manage current and projected risks from GEC.

The PARR Fellowship Program fulfils the needs of the region for researchers, practitioners, and policy makers who are able to plan with foresight to address the increasingly complex challenges of GEC and human-environment security. The Program establishes a knowledge to action network of people and institutions capable of developing and implementing innovative approaches to planning and action at local, national, and regional levels.

The PARR Fellowship Program is a dynamic and innovative program developed out of the strengths of many partner institutions within and outside of Asia. In 2014-2015, the PARR Alliance implemented the inaugural round of the PARR Fellowship Program, which offered opportunities to train a small cohort of Fellows, develop partnerships, and produce rapid outputs to further the program's development and impact. Assessment of the inaugural round and a database of other fellowships and training opportunities related to risk reduction has revealed several opportunities for the continuation of the PARR Fellowship program.

## **5.0 Future Directions**

The PARR Fellowship Program was established through a collaborative effort of regional and international organizations, identified as the PARR Alliance, with experience in capacity building and risk reduction. Under the collaborative efforts of the PARR Alliance, the PARR Fellowship Program will continue with a future cohort of Fellows through generous support of a range of financial and organizational support. The call for the next round of Fellowships is under development and is expected to be released in 2016.

## Appendix A

### 2014/2015 PARR Fellows

(for pictures and biographies, visit <http://start.org/programs/parr-fellowship-program/2014-2015-parr>)

| Name                                   | Institution   | Email                       |
|--|---|-----------------------------|
| <b>Aparna</b>                          | CRDF, CEPT University   | aparna.plan@gmail.com       |
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| <b>Kunyaphat<br/>Thanakunwutthirot</b> | Suan Sunandha Rajabhat University   | kunyaphat35@gmail.com       |
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| <b>Md. Azizul Bari</b>                 | Institute for Environment and<br>Development (LESTARI)  | ashik624105@gmail.com       |
| <b>Nurfashareena<br/>Muhamad</b>       | Southeast Asia Disaster Prevention<br>Research Initiative (SEADPRI- UKM),<br>Universiti Kebangsaan Malaysia | fashamuhamad@gmail.com      |
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| <b>Rina Suryani Oktari</b>             | Faculty & Researcher at Tsunami &<br>Disaster Mitigation Research Center<br>(TDMRC), Syiah Kuala University | okta@tdmrc.org              |
| <b>Saut Aritua Sagala</b>              | Institute of Technology Bandung   | saut.sagala@sappk.itb.ac.id |
| <b>Shivangi Chavda</b>                 | SEEDS India   | Shivangi@seedsindia.org     |
| <b>Thinn Hlaing Oo</b>                 | SEEDS Asia  | thin.hlaingoo@gmail.com     |

## Appendix B

### Fellows in attendance at Inception Conference

| <b>Name</b>                            | <b>Institution</b>  | <b>Email</b>                |
|--|---|-----------------------------|
| <b>Aparna</b>                          | CRDF, CEPT University   | aparna.plan@gmail.com       |
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| <b>Jessica Bercilla</b>                | Manila Observatory  | jbercilla@gmail.com         |
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| <b>Nurfashareena<br/>Muhamad</b>       | Southeast Asia Disaster Prevention<br>Research Initiative (SEADPRI- UKM),<br>Universiti Kebangsaan Malaysia | fashamuhamad@gmail.com      |
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| <b>Rina Suryani Oktari</b>             | Faculty & Researcher at Tsunami &<br>Disaster Mitigation Research Center<br>(TDMRC), Syiah Kuala University | okta@tdmrc.org              |
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| <b>Thinn Hlaing Oo</b>                 | SEEDS Asia  | thin.hlaingoo@gmail.com     |

## Appendix C

### Inception Conference Program

# PARR

Pan Asia  
Risk Reduction  
Fellowship Program

## **Inception Meeting** 24-25 July 2014



**Marco Polo Ortigas Hotel**

Meralco Avenue and Sapphire Street Ortigas Centre  
Pasig City, 1600

Hosted by Manila Observatory

**W**elcome to the Inception Meeting of the Pan-Asia Risk Reduction Fellowship (PARR) Program.


Your presence and active participation in this important event is a confirmation of our conviction that a sustained effort aimed at enhancing human resource and institutional capacity in Asia is an urgent and essential imperative. This is particularly so in view of the conclusions and pronouncements from the recently concluded 6<sup>th</sup> Asian Ministerial Conference on Disaster Risk Reduction that emphasized the importance of actions aimed at building capacity of young scientists, practitioners and decision-makers to manage risks emanating from natural disasters, and rapid socio-economic changes and ongoing global environmental change, including climate change.

You all are well aware the reality that the Asian region is faced with high levels of risks from natural hazards. All projections of the future suggest further increases in levels of risk across the region. Given that the full complement of civil society, private sector, academia, the scientific community and citizens have a role to play in risk management, forward looking investments in disaster resilience must include building capacity through efforts such as the PARR Program.

The goal of our meeting is to allow you all to become familiar with each other and to place your individual programs, plans and activities in the broader perspective of risk management in rapidly changing Asia. The meeting also is an opportunity to expose the first set of PARR Fellows to the larger community gathered here in Manila and to foster collaboration amongst themselves as well as collaboration with representatives of the host and home institutions committed to the Program.

This meeting is supported by the PARR Alliance, an open informal, but concerned and dedicated, group comprising representatives of inter-governmental, national, and non-governmental organizations, private sector, philanthropic foundations, and the academy. Given that capacity building is a primary mission of START, we are pleased to lead this effort on behalf of the Alliance. But, the PARR program is only possible because of commitment of the individuals and organizations involved in this meeting; sustaining this program so that we can nurture cohesive and collaborative capacity of individuals and institutions will require continuing commitments from all of us. I sincerely hope that we will meet this imperative.

  
Hassan Virji  
International START Secretariat

  
Antonia Y. Loyzaga  
Manila Observatory

**Thursday, 24 July 2014**

**Venue: Kashmir**

**Participants: ALL**

|                      |   |
|----------------------|---|
| 8:30 – 9:00          | <b>Participant Registration</b><br><i>Marco Polo Hotel</i>  |
| <b>9:00 – 9:40</b>   | <b>Session 1: Welcome &amp; Introduction to Pan-Asia Risk Reduction Fellowship Program</b>  |
| 9:00 – 9:15          | <b>Welcome from Host</b><br><i>Antonia Loyzaga, Manila Observatory</i>  |
| 9:15 – 9:40          | <b>Introduction to PARR Fellowship Program</b><br><i>Hassan Virji, START</i>  |
| <b>9:40 – 10:30</b>  | <b>Session 2: Capacity Building Needs in Disaster Risk Reduction and Management</b><br><i>Chair: Rodel Lasco, Oscar M. Lopez Center</i> |
| 9:40 – 9:50          | Perspectives from the Academic Community<br><i>Rajib Shaw, Kyoto University</i>   |
| 9:50 – 10:00         | Perspectives from Regional Donor<br><i>Arghya Sinha Roy, Asian Development Bank</i>   |
| 10:00 – 10:10        | Perspectives from Practitioner Community<br><i>Wei-Sen Li, National Science and Technology Center for Disaster Reduction</i>            |
| 10:10 – 10:30        | Summary: How PARR Fellowship Program Responds to Capacity Building Needs<br><i>Chair: Rodel Lasco, Oscar M. Lopez Center</i>            |
| <i>10:30 – 11:00</i> | <i>Group Photo and Coffee and Tea Break</i>   |

**Venue: Oudh A****Participants: PARR Alliance & External Invitees**

|                      |   |
|----------------------|---|
| <b>11:00 – 12:30</b> | <p><b>Session 3: Avenues for Collaboration between PARR Fellowship Program Consortium and Regional Donors</b><br/> <i>Co-Chairs: Antonia Loyzaga, Manila Observatory, and Rajib Shaw, Kyoto University</i></p> <ul style="list-style-type: none"> <li>• How might the PARR Fellowship Program contribute to existing and planned disaster risk reduction and disaster risk management programs of donor agencies?</li> <li>• What are the donor agencies priorities, expectations, and concerns for the PARR Fellowship Program?</li> </ul> <p>How might existing and potential support be leveraged for a decadal PARR Fellowship Program?</p> |
| <i>12:30– 14:00</i>  | <i>Lunch</i>  |
| <b>14:00 – 15:30</b> | <p><b>Session 4: Implementing the PARR Fellowship Program</b><br/> <i>Chair: Rodel Lasco, Oscar M. Lopez Center</i></p> <ul style="list-style-type: none"> <li>• What should be the priority actions for implementing the PARR Fellowship Program?</li> <li>• What are the collaborative actions for 2015-2017?</li> <li>• What actions are required in the medium and long term of program implementation?</li> </ul>  |
| <i>15:30 – 16:00</i> | <i>Coffee and Tea Break</i>   |
| <b>16:00 – 17:30</b> | <p><b>Session 5: Science-Policy-Practice Nexus in Disaster Risk Reduction and Disaster Risk Management: Challenges and Opportunities</b><br/> <i>Rajib Shaw, Kyoto University</i></p>   |
| <b>18:00 – 20:00</b> | <b>Reception, Marco Polo Hotel</b>  |

**Venue: Kashmir****Participants: Host, Home, and Fellow**

|                      |   |
|----------------------|---|
| <b>11:00 – 12:30</b> | <p><b>Session 3: Roles, Responsibilities, Expectations</b><br/> <i>Co-Chairs: Sarah Schweizer and Katie Dietrich, START, and Ann Marome, Thammasat University</i></p> <ul style="list-style-type: none"> <li>• Introductions</li> <li>• Components of PARR Program</li> <li>• Activity on participant’s goals &amp; expectations</li> <li>• Sharing of research interests</li> </ul> <p><i>Each participant has 5 minutes to share: 1) Who are you? and 2) What are your research interests related to the PARR theme? A maximum of 3 slides containing <u>only images</u> may be used!</i></p> |
| <i>12:30– 14:00</i>  | <i>Lunch</i>  |
| <b>14:00 – 15:30</b> | <p><b>Session 4: Sharing of Research Interests</b><br/> <i>Each participant has 5 minutes to share: 1) Who are you? and 2) What are your research interests related to the PARR theme? A maximum of 3 slides containing <u>only images</u> may be used!</i></p>   |
| <i>15:30 – 16:00</i> | <i>Coffee and Tea Break</i>   |
| <b>16:00 – 17:30</b> | <p><b>Session 5: Science-Policy-Practice Nexus in Disaster Risk Reduction and Disaster Risk Management: Challenges and Opportunities</b><br/> <i>Rajib Shaw, Kyoto University</i></p>   |
| <b>18:00 – 20:00</b> | <b>Reception, Marco Polo Hotel</b>  |



## Friday, 25 July 2014

Venue: Kashmir













Participants: PARR Alliance & Host, Home, Fellow







|               |   |   |
|---------------|---|---|
| 9:00 – 10:30  | <b>Session 6: Host, Home, and Fellow Meetings</b><br><i>Host representatives meet with visiting Fellows and their Home representatives to discuss their month-long visit</i>  |   |
| 10:30 – 11:00 | <i>Coffee and Tea Break</i>   |   |
| 11:00 – 12:30 | <b>Session for PARR Alliance</b><br><br><b>Venue: Oudh A</b>  | <b>Session for Host, Home, and Fellow</b><br><br><b>Venue: Kashmir</b>  |
|               | <b>Session 7: PARR Alliance Meeting</b><br><i>Chair: Hassan Virji, START</i> <ul style="list-style-type: none"><li>• Reflections on Day 1: What are the next steps? Who will take the lead?</li><li>• How does the PARR Program fit into regional and international initiatives (i.e. Future Earth and IRDR)?</li></ul> | <b>Session 7: Charting Your Fellowship Forward</b> <ul style="list-style-type: none"><li>• Question &amp; Answer</li><li>• Opportunities for PARR Network</li><li>• Open discussion</li></ul> |
| 12:30 – 13:30 | <i>Lunch &amp; Way Forward</i>  |   |
| 14:00 – 17:30 | <b>Field Trip in Greater Manila</b>   |   |

## Notes

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## Notes

## Supporters of the 2014 PARR Pilot Phase:



## Appendix D

### Fellows in attendance at Culmination Conference

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## Appendix E

### Culmination Conference Program

PARR

Pan Asia  
Risk Reduction  
Fellowship Program

PARR  
FELLOWSHIP  
PROGRAM  
CULMINATION  
CONFERENCE

BANGKOK, THAILAND  
24-26 MARCH  
2015



*Welcome to the Culmination Conference of the Pan-Asia Risk Reduction Fellowship (PARR) Program*

A warm welcome to all of you. It really is a pleasure to see such a variety of nationalities partaking in the Pan-Asia Risk Reduction Fellowship (PARR) Program. Thammasat, a home institution of PARR, has always tried to cultivate close relationships with institutions across the world, both in the hope of learning from the wisdom of other countries and to share knowledge of our own. In this spirit, I trust that we will all learn a great deal from each other during the conference.

Of course, it hardly needs to be said that disaster management is an area that many people in this room know first-hand. In 2011, many Thai residents were forced to respond to Bangkok's worst case of flooding in more than fifty years. One of the important lessons that disaster teaches us is that a successful response relies not just on the preparation of government and the private sector, but also the initiative of individuals and communities. Therefore, forward looking investments in disaster resilience must include building capacity through efforts such as PARR.

The goal of our meeting is to share experiences and culminate results from the inaugural round of PARR fellows across Asia. There are 13 Fellows in total participating to present, reflect on the program, share experiences, and collaborate on the synthesis of emerging research, messages, and tools. The meeting also is an opportunity to expose the first set of PARR Fellows to a larger community gathered here in Bangkok and to foster collaboration among themselves as well as collaboration with representatives of the Host and Home Institutions committed to the Program. Thammasat University is pleased to host this conference on behalf of the PARR Alliance. The PARR Program is only possible because of commitment of the individuals and organizations involved; sustaining this program so that we can nurture cohesive and collaborative capacity of individuals and institutions will require continuing commitments from all of us. I sincerely hope that we will meet this imperative.



Associate Prof. Chalermwat Tantasavasdi  
Dean, Faculty of Architecture and Planning  
Thammasat University

# DAY 1 / AGENDA

## TUESDAY, 24 MARCH

| Time          | Event  |
|---------------|--|
| 9:00 - 9:45   | <b>Session 1: Welcome &amp; Introduction to Pan Asia Risk Reduction Fellowship Program</b>                                   |
| 9:00 - 9:10   | Welcome from Host<br><i>Anne Wijitbusaba Marome, Thammasat University</i>  |
| 9:10 - 9:15   | Welcome from PARR Alliance<br><i>Hassan Virji, START</i>   |
| 9:15 - 9:45   | Current State of Risk Reduction Research<br><i>Rajib Shaw, Kyoto University</i>  |
| 9:45 - 10:15  | <b>Coffee &amp; Tea Break</b>  |
| 10:15 - 12:00 | <b>Session 2: PARR Fellow's Cafe</b><br><i>Chairs: Clark Seipt &amp; Sarah Schweizer, START</i>                              |
|               | <i>Round 1:</i><br>Table 1: Rina Suryani Oktari<br>Table 2: Md Anwarul Abedin<br>Table 3: Aparna<br>Table 4: Thinn Hlaing Oo |
| 12:00 - 13:00 | <b>Lunch</b>   |

|               |   |
|---------------|---|
| 13:00 - 14:15 | <b>Session 3: PARR Fellow's Cafe</b><br><i>Chairs: Clark Seipt &amp; Sarah Schweizer, START</i>   |
|               | <i>Round 2:</i><br>Table 1: Kannika Komwong<br>Table 2: Gemma Narisma<br>Table 3: Nurfashareena Muhamad & Md. Azizul Bari                 |
| 14:15 - 14:25 | <b>Health Break</b>   |
| 14:25 - 15:30 | <b>Session 4: PARR Fellow's Cafe</b><br><i>Chairs: Clark Seipt &amp; Sarah Schweizer, START</i>   |
|               | <i>Round 3:</i><br>Table 1: Resfaniatro Indraka & Saut Aritua Sagala<br>Table 2: Shivanghi Chavda<br>Table 3: Kunyaphat Thanakunwutthirot |
| 15:30 - 16:00 | <b>Coffee &amp; Tea Break</b>   |
| 16:00 - 17:00 | <b>Session 5: Synthesis of Experience</b><br><i>Chairs: Antonia Yulo Loyzaga, Manila Observatory &amp; Hassan Virji, START</i>            |

# DAY 2 / AGENDA

## WEDNESDAY, 25 MARCH

| Time          | Event   |
|---------------|---|
| 9:00 - 12:30  | <p><b>Session 6: PARR Fellows - Experience &amp; Reflection</b><br/> <i>Chairs: Luigi Toda, Oscar M. Lopez Center &amp; Sarah Schweizer, START</i></p> <p>▸ Present recommendations and reflections of PARR Round 1 in the following session</p>  |
|               | <p><b>Session 6: PARR Alliance - Strategic Thinking</b><br/> <i>Chair: Clark Seipt, START</i></p> <p>The PARR Alliance is charged to discuss the following items:</p> <p>▸ Present recommendations and reflections of PARR Round 1 in the following session<br/>         ▸ Meeting agenda</p>   |
| 12:30 - 13:30 | <b>Lunch</b>  |
| 13:30 - 14:45 | <p><b>Session 7: Recommendations and Reflections from the PARR Alliance and PARR Fellows</b><br/> <i>Chair: Rajib Shaw, Kyoto University</i></p> <p>This session will be an exchange between PARR Fellows and Alliance Members. The PARR Alliance and PARR Fellows will provide recommendations and reflections from the inaugural phase of the PARR program.</p> |

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14:45 - 15:15 **Coffee & Tea Break**

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15:15 - 16:15 **Session 8: Beyond PARR**  
*Moderator: Perlyn Pulhin, Oscar M. Lopez Center*

*Panel Members:*  
 Suppakorn Chinvanho, SEA-START RC  
 Nathaniel Bantayan, University of the Philippines Los Baños  
 Ann Marome, Thammasat University  
 Rajib Shaw, Kyoto University

This plenary session will focus on advancing the careers of PARR Fellows. Conversations will be centered on professional development and identifying future skills to hone through advice from PARR Alliance Members and exchanges between PARR Fellows.

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16:15 - 16:30 **Session 9: Closing Remarks**  
*Chair: Sarah Schweizer, START*

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16:30 - 16:40 **Break for PARR Alliance Members**

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16:40 - 17:30 **PARR Alliance Meeting**

*This session is for PARR Alliance Members only.*

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19:00 **Dinner Reception at Somboon Seafood Cuisine for All Participants**

# DAY 3 / AGENDA

## THURSDAY,

### 26 MARCH

Open day to attend sessions at Coastal Cities at Risk Conference

| Time          | Event  |
|---------------|--|
| 8:30 - 9:00   | <b>Participant Registration</b>  |
| 9:00 - 9:15   | <b>Welcome</b><br><i>Chair: Dr. Richard Cooper</i>   |
| 9:15 - 9:30   | <b>Welcoming address and Bangkok Climate Change Policy</b><br><i>M.R. Sukhumbhand Paribatra, Governor of Bangkok</i>   |
| 9:30 - 9:45   | <b>Opening Address</b><br><i>H.E. Mr. Philip Calvert, Ambassador of Canada to Thailand</i>   |
| 9:45 - 10:00  | <b>An Introduction to Coastal Cities at Risk (CCaR) and Workshop Themes</b><br><i>Prof. Gordon McBean, University of Western Ontario, Canada</i>   |
| 10:00 - 10:15 | <b>Group Photo before Coffee and Tea Break - All VIPs join</b>   |
| 10:15 - 10:45 | <b>Coffee and Tea Break</b>  |
| 10:45 - 11:15 | <b>Keynote address on Disaster Risk Reduction/Management to Build Urban Climate Resilience</b><br><i>Presenter: Dr. Hassan Virji, START &amp; Prof. Rajib Shaw, Kyoto University</i>                                   |
| 11:15 - 11:30 | <b>Keynote address on Health and Urban Resilience</b><br><i>Presenter: José Gabriel Siri PhD, MPH, Research Fellow in Urban Health, United Nations University International Institute for Global Health (UNU-IIGH)</i> |
| 11:30 - 12:30 | <b>A Panel on Urban Climate Resilience and Key Findings: CCaR City Report</b><br><i>Panel Moderators: Dr. Richard Cooper &amp; Dr. Erin Joakim</i>   |

March 2015

- 1) Vancouver, Canada  
*Prof. Gordon McBean, University of Western Ontario & D. Harford, Simon Fraser University, Canada*
- 2) Manila, Philippines  
*Antonia Yulo Loyzaga, Manila Observatory, Philippines*
- 3) Bangkok, Thailand  
*Dr. Wijitbusaba Ann Marome, Faculty of Architecture and Planning, Thammasat University, Bangkok, Thailand*
- 4) Lagos, Nigeria  
*Dr. Ibidun Adelekan, Department of Geography, University of Ibadan*

|               |   |
|---------------|---|
| 12:30 - 13:30 | <b>Lunch</b>  |
| 13:30 - 13:45 | <b>Risk to Resilience: Why and How?</b><br><i>Presenter: Prof. Slobodan P. Simonovic, University of Western Ontario</i><br><br><i>Note: The following session will be in Thai with English audio translation.</i>   |
| 13:45 - 14:00 | <b>Building Climate Resilient Communities and its Challenges</b><br><i>Presenter: Dr. Anond Snidvongs, GISTDA, Thailand</i>   |
| 14:00 - 15:00 | <b>A Panel Discussion on Future Perspectives of Urban Climate Resilience Building for All</b><br><i>Moderator: Mr. Kitti Singhapat (Thai TV3)</i><br>1) Mr. Arnon Opaspimoltum, Vice President of the Thai General Insurance Association<br>2) Mr. Somnuek Thanadechakul, Mayor of the Nonthaburi Nakorn Municipality (TBC)<br>3) Ms. Kasama Yamtree, Openspace<br><b>Q&amp;A</b>               |
| 15:00 - 15:15 | <b>Coffee and Tea Break</b>   |
| 15:15 - 16:15 | <b>A Panel Discussion on Educating and Communicating Climate Change for Building Urban Climate Resilience</b><br><i>Moderator: Ms. Voralux Issarungkula Na Ayudhya (TPBS: Thai Public Broadcasting Service)</i><br>1) Dr. Tavidia, Faculty of Political Science, Thammasat University<br>2) Ms. Supranee Jongdeepaisarl, Thailand Research Fund<br>3) Mr. Naim Leani, 350.org<br><b>Q&amp;A</b> |
| 16:15 - 16:30 | <b>Announcements</b><br><i>Co-chairs: Dr. Richard Cooper and Dr. Wijitbusaba Ann Marome</i>   |

Conference Guide

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# NOTES

hosted by



**COASTAL CITIES AT RISK**  
APTU FACULTY OF ARCHITECTURE AND PLANNING  
THAMMASAT UNIVERSITY





## Appendix F.

PARR Brochure

# PARR

Pan Asia  
Risk Reduction  
Fellowship Program



**THE PAN-ASIA RISK REDUCTION (PARR) FELLOWSHIP PROGRAM** OFFERS UNIQUE RESEARCH, TRAINING AND EDUCATIONAL OPPORTUNITIES TO ASIAN RESEARCHERS, PRACTITIONERS, AND POLICY MAKERS TO ENHANCE THEIR CAPABILITIES FOR ADVANCING AND APPLYING KNOWLEDGE ON CRITICAL ISSUES OF GLOBAL ENVIRONMENTAL CHANGE AND RISK REDUCTION IN THE ASIA-PACIFIC. THE PROGRAM ESTABLISHES A *KNOWLEDGE TO ACTION NETWORK* OF PEOPLE AND INSTITUTIONS CAPABLE OF DEVELOPING AND *IMPLEMENTING INNOVATIVE APPROACHES TO PLANNING AND ACTION* AT LOCAL, NATIONAL, AND REGIONAL LEVELS.

THE PARR FELLOWSHIP PROGRAM INCLUDES TWO TYPES OF FELLOWSHIPS:

▷ **PARR RESEARCH FELLOWS** ARE MATCHED WITH A MENTOR AT A HOST INSTITUTION WHERE THEY CARRY OUT INDIVIDUALLY DESIGNED RISK REDUCTION PROJECTS WHILE ALSO STRENGTHENING COMMUNICATION SKILLS.

▷ **PARR PRACTICE-POLICY FELLOWS** ARE PROVIDED WITH A MIXED EXPERIENCE OF INTENSIVE TRAINING, INTERACTIONS WITH A POLICY PARTNER, AND IMPLEMENTATION OF A RISK REDUCTION PROJECT THAT IS INTEGRATED INTO THE THEIR EVERYDAY WORK.

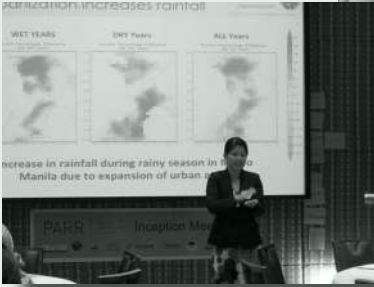


“ The Fellowship has provided the Fellows with an extensive opportunity to examine risk reduction concerns and issues from multiple perspectives -- from those renowned for their expertise in developing theories and approaches field of risk reduction, from practitioners and decision-makers who have tested models of risk reduction, and from communities who live with risks (ie indigenous peoples of Taiwan).

What sets this opportunity apart is having the privilege of time to study, witness the practice, engage in discussions in the spirit of solidarity and genuine intent to complement each others' work from a range of perspectives. This is Fellowship.

- Jessica Dator-Bercilla, Manila Observatory, Fellowship at NCDR (Taiwan)









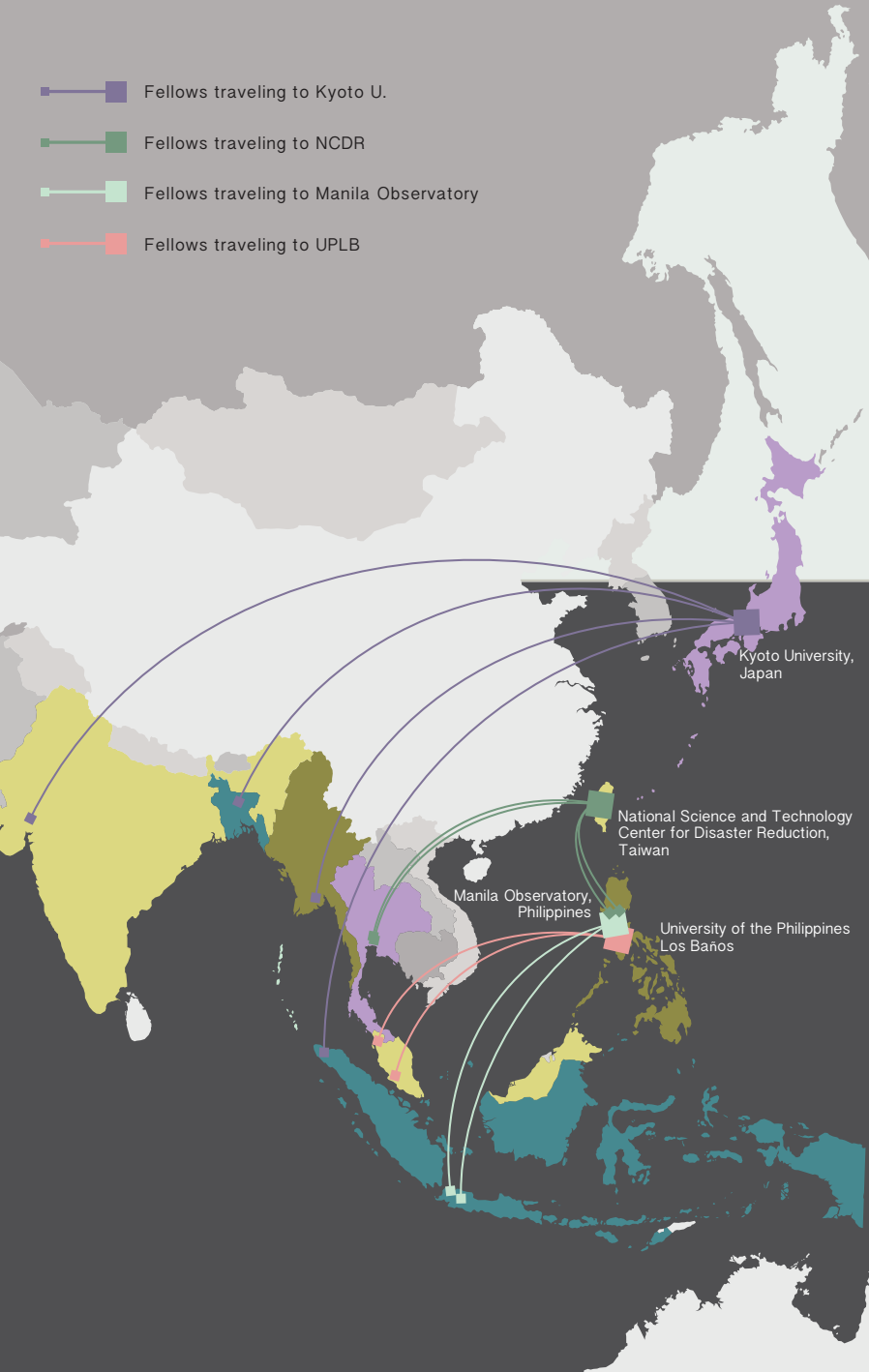
THE INAUGURAL ROUND OF THE PARR FELLOWSHIP PROGRAM COMBINED THE PARR RESEARCH AND PRACTICE-POLICY FELLOWS INTO TWO-PERSON TEAMS FOR A SIX-MONTH FELLOWSHIP EXPERIENCE, INCLUDING ONE-MONTH AT A HOST INSTITUTION. THE THEME OF THE 2014 PARR FELLOWSHIP PROGRAM WAS URBAN DISASTER RISK AND VULNERABILITY UNDER GLOBAL ENVIRONMENTAL CHANGE.

### *Highlights*

- ▷ THIRTEEN FELLOWSHIPS AWARDED FROM SEVEN COUNTRIES THROUGHOUT ASIA.
- ▷ FELLOWSHIP RESIDENCIES AT HOST INSTITUTIONS IN THE PHILIPPINES (2), JAPAN, AND TAIWAN.
- ▷ INCEPTION MEETING TO INTRODUCE FELLOWS, MEET HOST INSTITUTIONS, AND BEGIN TO BUILD A COLLABORATIVE NETWORK.
- ▷ COMPETITIVE CALL FOR PROPOSALS FOR FOUR FELLOWS TO PURSUE FOLLOW-ON PROJECT GRANTS FOR EXPLORATORY RESEARCH, TRAININGS, OR WORKSHOPS.
- ▷ CULMINATION CONFERENCE TO SHARE EXPERIENCES AND LEARNING OUTCOMES AND DEVELOP FURTHER COLLABORATIONS.

# PARR INAUGURAL ROUND HOME AND HOST INSTITUTION LINKAGES

-  Fellows traveling to Kyoto U.
-  Fellows traveling to NCDR
-  Fellows traveling to Manila Observatory
-  Fellows traveling to UPLB



Kyoto University,  
Japan

National Science and Technology  
Center for Disaster Reduction,  
Taiwan

Manila Observatory,  
Philippines

University of the Philippines  
Los Baños



global change Sys-Tem for Analysis, Research & Training



IRDR ICoE  
Integrated Research on Disaster Risk  
International Centre of Excellence



APN  
ASIA-PACIFIC NETWORK FOR  
GLOBAL CHANGE RESEARCH



NCDR  
國家災害防救科技中心  
National Science and Technology Center  
for Disaster Reduction



THE CALL FOR APPLICATIONS FOR THE NEXT ROUND OF THE PARR PROGRAM IS EXPECTED TO BE ANNOUNCED IN LATE 2015. FOR MORE INFORMATION AND UPDATES, PLEASE VISIT THE PARR WEBSITE,

[HTTP://START.ORG/PROGRAMS/PARR-FELLOWSHIP-PROGRAM](http://start.org/programs/parr-fellowship-program)