

PROGRESS ON CLIMATE RESEARCH IN THE PHILIPPINES: State of Knowledge from Series of Climate Conferences

A preliminary study prepared for Department of Science and Technology, National Academy of Science and Technology (DOST-NAST) for dissemination at the 3rd National Climate Conference: Climate-related Risks and Disasters, 25 September 2014, Traders Hotel, Manila, Philippines.

PROGRESS ON CLIMATE RESEARCH IN THE PHILIPPINES: State of Knowledge from Series of Climate Conferences

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Overview

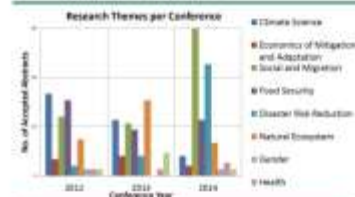
It is evident that the Philippines is bearing the brunt of climate change and it is crucial to adapt at a pace comparable with the increasing impacts of the changing climate. Recognizing the value of research and science in drawing long-term and sustainable solutions to climate change issues, Department of Science and Technology – National Academy of Science and Technology (DOST-NAST) Philippines is holding annual national climate conference to discuss the climate knowledge in the country and determine the gaps in climate-related research and policies. This report assessed the success of the conferences since 2012 in providing a venue to share climate-related researches while determining the state of climate knowledge in the Philippines through the submitted researches and scientific papers.



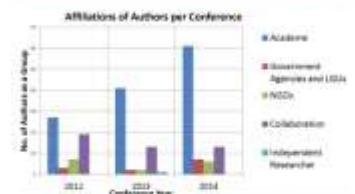
The OML Center Science Director and NAST Academician Dr. Asaf D. Lasco moderating the opening session of the 2nd Conference.



Vice Chairperson of the Climate Change Commission, Hon. Secretary Mary Alice L. Lacillo giving her keynote address at the 2nd Conference.

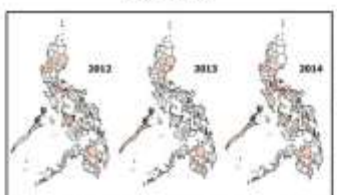


The top five most researched themes are (1) Social and Migration, (2) Food Security, (3) Climate Science, (4) Natural Ecosystems, and (5) Disaster Risk Reduction.



There is a consistent increase in the participation of academic institutions. In 2014, there has been an increase in the participation of government agencies and local government units conducting the studies.

National Climate Conference Participating Academic Institutions in the Philippines (2012-2014)



Total no. of academic institutions: 33 (2012), 36 (2013), and 44 (2014)

RESULTS



Total no. of study sites: 20 (2012), 22 (2013), and 42 (2014)

Five studies have been done in CAR, 2012, 2013, and 2014. However, in 2014, there is a sudden increase in the number of study sites in Luzon and extending provinces which can be attributed to the 2013 Typhoon Yolanda.

IMPLICATIONS



- This will guide researchers to explore other climate-related themes that are least studied such as Gender, Health, Energy, and Economics of Mitigation and Adaption and help them determine which parts of the Philippines are least explored in terms of climate-related researches.
- Supporting similar conferences and research endeavours can generate more knowledge on climate change and help bridge the science-policy-action gap in the country.

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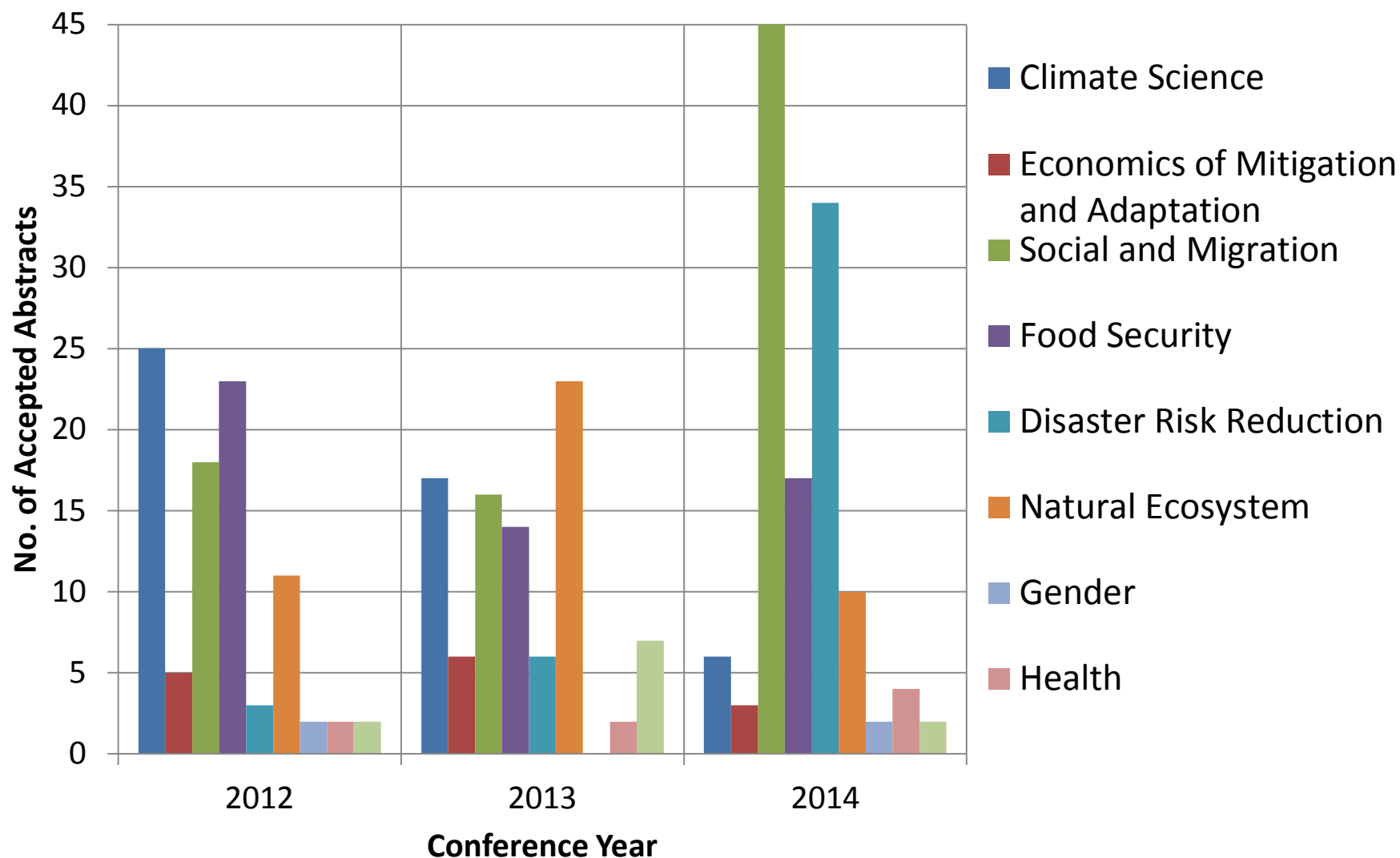
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Acknowledgements: DOST-NAST, members of the Organizing Committee of the first, second and third conferences, all authors and participants



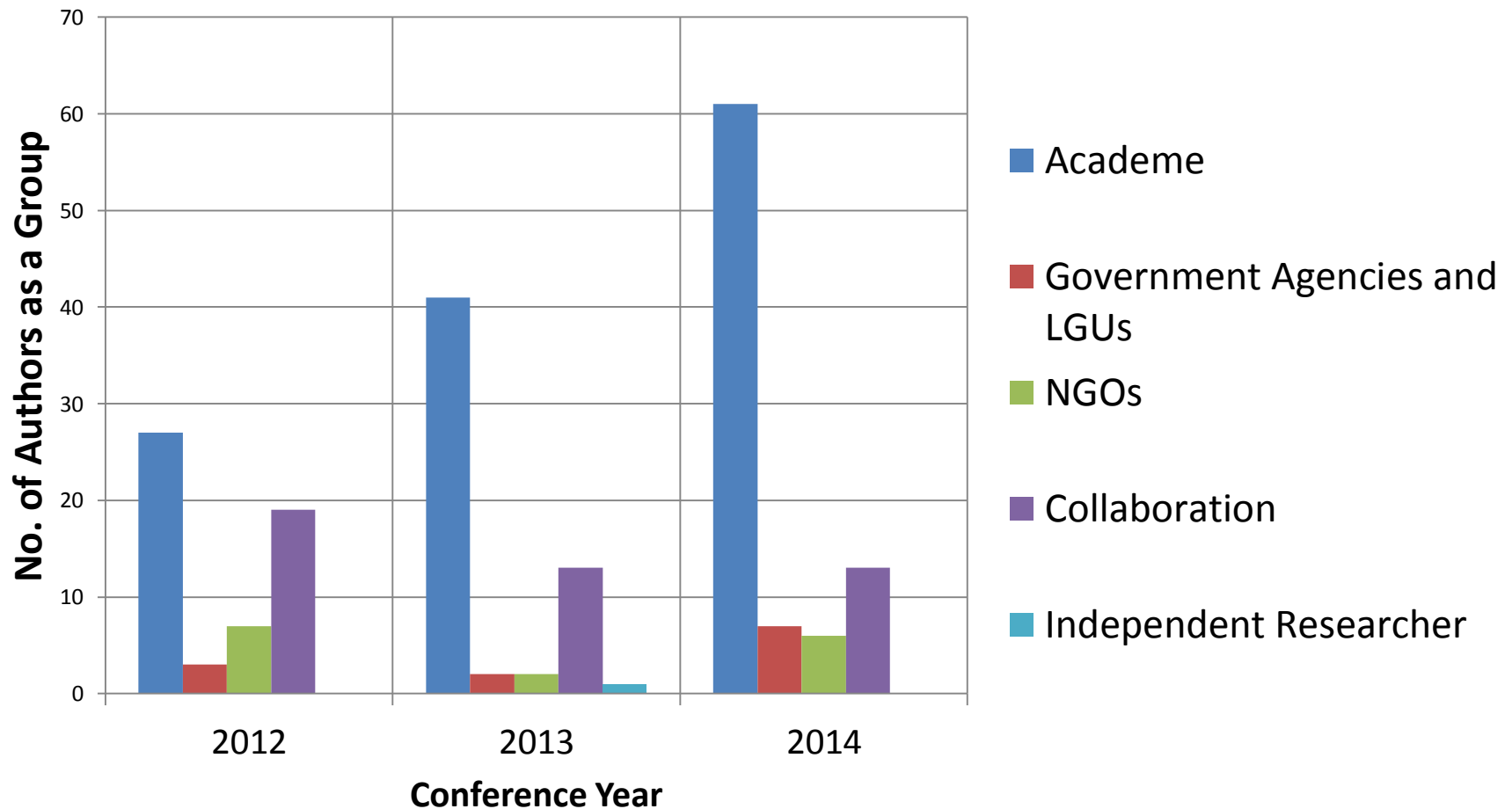
- NAST- Philippines is holding annual national climate conference to discuss the climate knowledge in the country and determine the gaps in climate-related research and policies.
- Assessment showed a growing interest on climate research in terms of the number of academic institutions engaged based on the accepted papers with around 125% increase since 2012.
- Supporting similar conferences and research endeavours can generate more knowledge on climate change and help bridge the science-policy-action gap in the country.

Research Themes per Conference



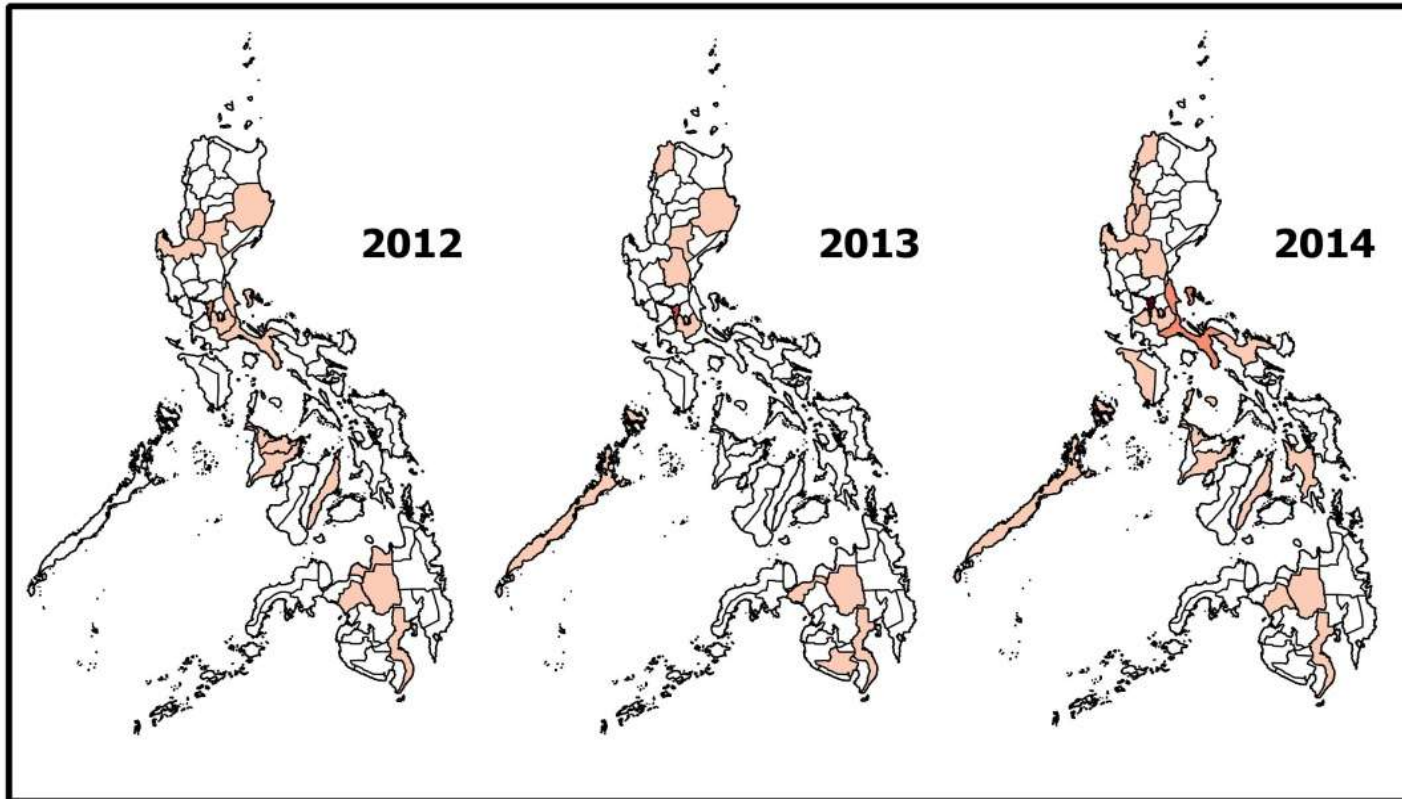
The top five most researched themes are (1) Social and Migration, (2) Food Security, (3) Climate Science, (4) Natural Ecosystem, and (5) Disaster Risk Reduction.

Affiliations of Authors per Conference



- There is a continuous growth in the participation of academes.
- In 2014, there's a substantial increase in participation of government agencies and LGUs.

National Climate Conference Participating Academic Institutions in the Philippines (2012-2014)



Legend

No. of Academic Institutions

- 0
- 1-2
- 3-4
- 5-6
- 7-8
- 9-10

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September 12, 2014

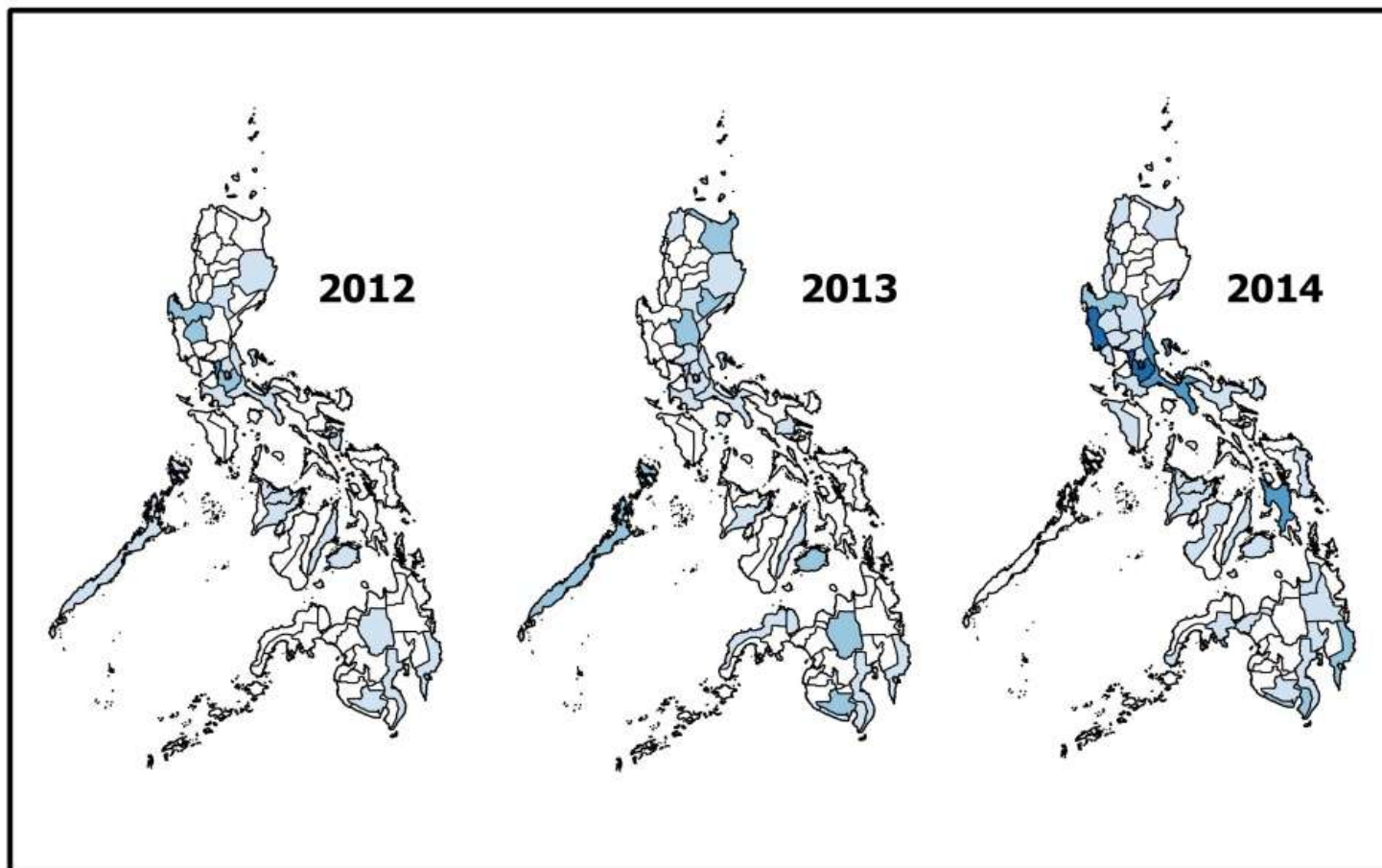
TOTAL NO. OF ACADEMIC INSTITUTIONS:

2012 – 18

2013 – 16

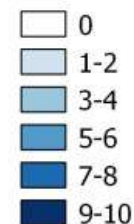
2014 – 34

Study Sites of the National Climate Conference Submitted Researches (2012-2014)



Legend

No. of Study Sites



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TOTAL NO. OF STUDY SITES:

2012 – 39

2013 – 52

2014 – 84