HI – ASAP research update from the Philippines

Obie Cambaliza and Liz Cruz on behalf of the Philippine team

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Hi – ASAP, AI – SOCD Manuscript Distributed to Co-authors for Review

- Prepared a manuscript based on the SRI 2021 presentation
- Undergoing review by co-authors
- Target journal: AAQR (Aerosol and Air Quality Research)

Title: "Characterization of the spatial and temporal distribution of fine particulate pollution in a Monsoon Asia Megacity: an assessment of personal exposure of a high risk occupational group in Metro Manila, Philippines"

As of the HI – ASAP July 2021 meeting

- Air Pollution Episodes: Fireworks, Volcano Eruption
- Journal of Disaster Research for the Volcano paper

- Recent publication on the physicochemical and optical measurements of fireworks from the 2019 New Year revelries and the impact on air quality (using size-resolved elements and water – soluble PM measurements, aerosol backscatter from lidar)

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Atmospheric Chemistry and Physics
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EGU

Measurement report: Firework impacts on air quality in Metro Manila, Philippines, during the 2019 New Year revelry

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Three – Part Technical Report on Volcano Eruption in 2020

- Taal Volcano 2020 Eruption Impact on Air Quality (http://www.observatory.ph/2020/01/17/taal-volcano-2020-eruption-impact-on-air-quality-part-i/)
- Taal Volcano 2020 Eruption Impact on Air Quality. Part II: Air Quality Measurements and Current Plume Conditions (http://www.observatory.ph/2020/01/18/taal-volcano-2020-eruption-impact-on-air-quality-part-ii-air-quality-measurements-and-current-plume-conditions/)
- Impacts of Taal Volcano Phreatic Eruption (12 Jan 2020) on the Environment and Population: Satellite – Based Observations Compared with Historical Records (http://www.observatory.ph/2020/04/20/impacts-of-taal-volcano-phreatic-eruption-12-january-2020-on-the-environment-and-population-satellite-based-observations-compared-with-historical-records/)

Open for ideas for collaboration

- We’re very interested in pursuing and addressing INDOOR AIR QUALITY concerns specially during the various quarantine measures
- More doable with minimal field work given the ongoing restrictions
- This is a future project (no data yet), but may be of interest to everyone