

2023 Blue Planet Prize
Commemorative Lectures

### デバラティ・グハ=サピール教授 講演スライド集

世界の大規模災害に関する データインフラの構築

Professor Debarati Guha-Sapir Slides for the Lecture

Building a Data Infrastructure for Large-scale Disasters around the World

# Climate disasters Why is data central to reducing their human impact

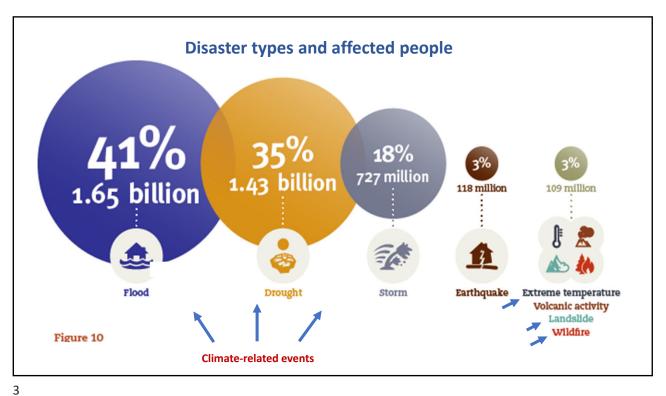
PROFESSOR DEBARATI GUHA-SAPIR
University of Louvain Brussels
Johns Hopkins University Baltimore
with
Sarah Scales, MS,PhD (Epid)
Thomas Jideofor Ogbu, MA (Stat) PhD (Epid)

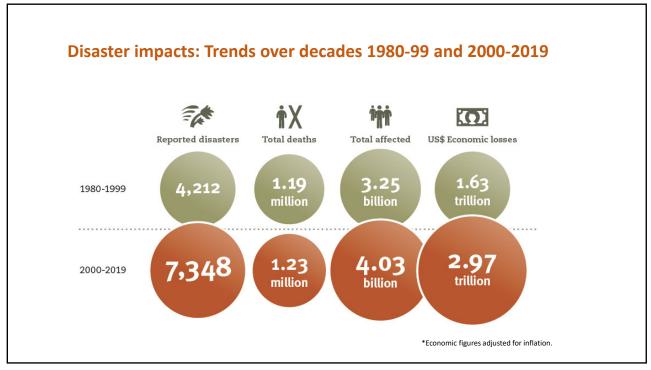
ASAHI GLASS FOUNDATION BLUE PLANET PRIZE COMMEMORATIVE LECTURE
TOKYO UNIVERSITY
5 OCT 2023

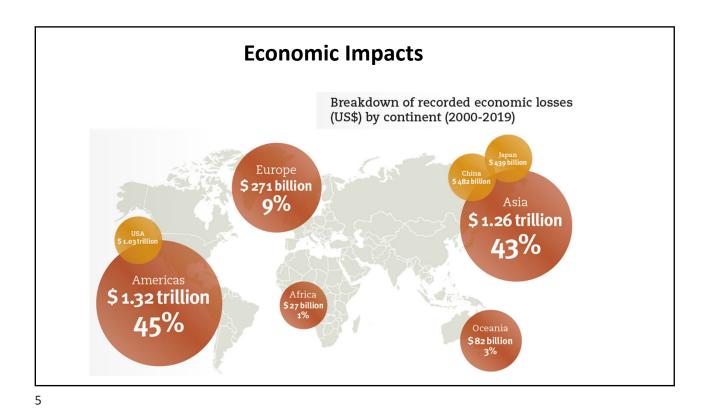
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## **Classifying disasters correctly**



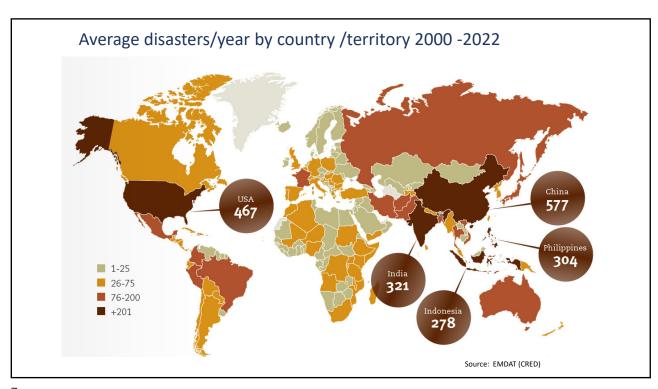




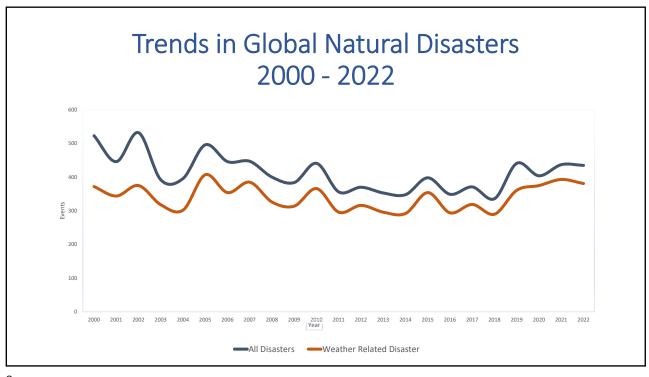


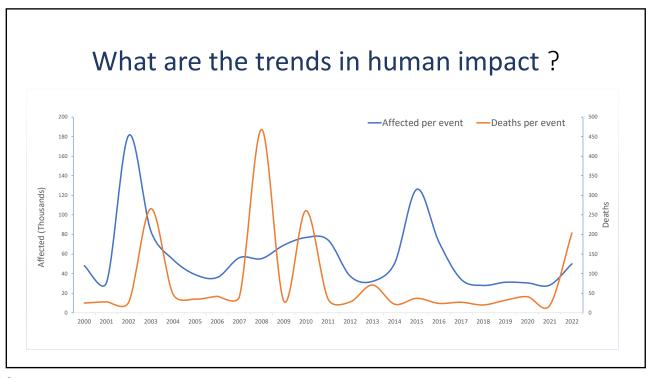
#### Challenges for quality of data on disaster impact

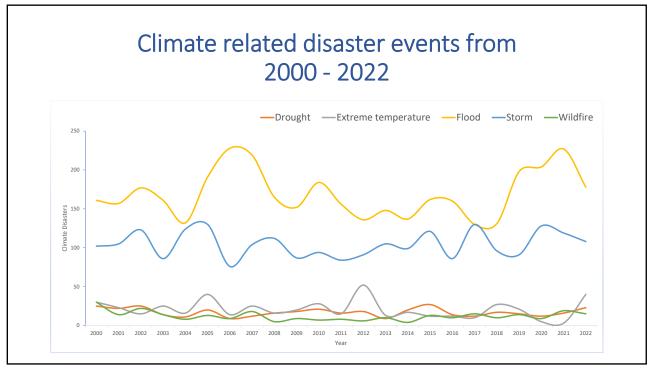
- ✓ Sound methodology in data collection techniques
- ✓ Definitions of variables and inclusion and exclusion criteria
- ✓ Checking for validity
- ✓ Completeness and accuracy



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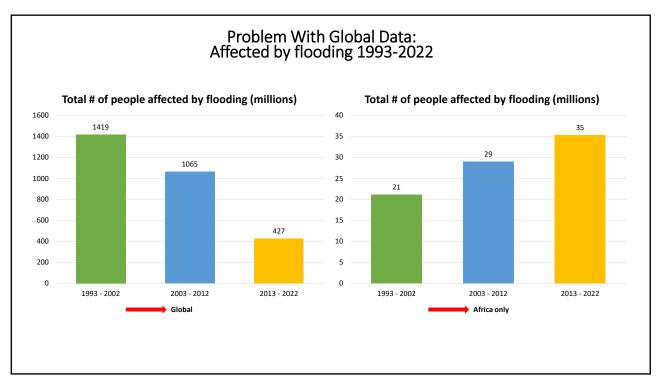






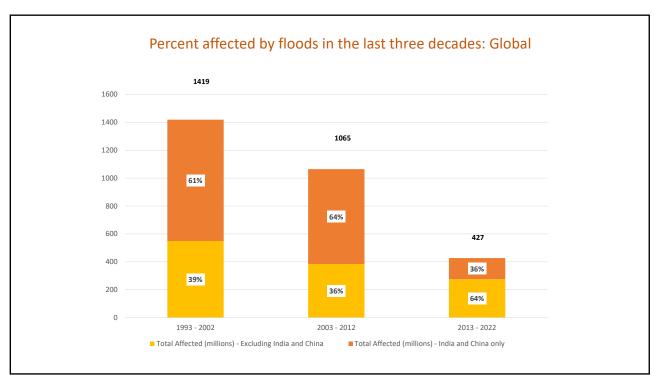


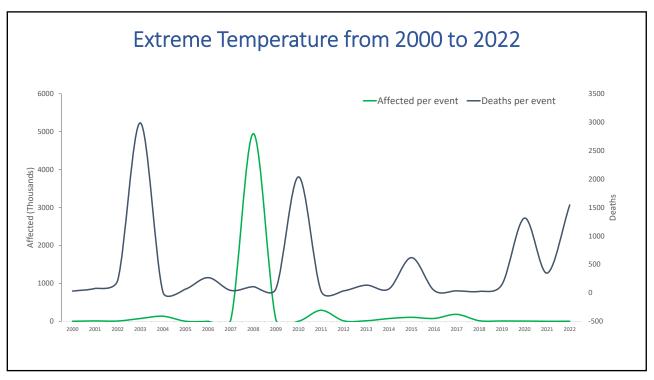
Exposure to damp air brings pneumonia; contaminated water brings diarrhoea, dengue

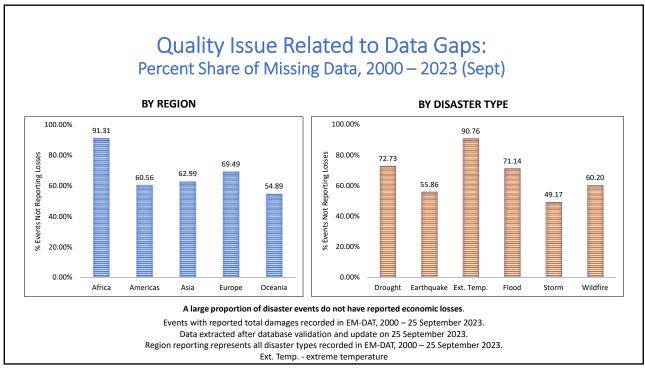


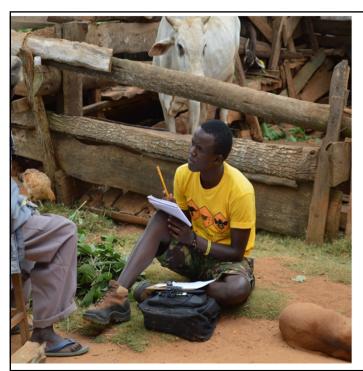


# People find solutions!









Phase 1 EMDAT Data collection: Secondary sources

Phase 2: Shifting to survey data, satellite data and creation of data cooperatives

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#### HOW CAN WE IMPROVE?

- Better models of socio-economic impact
- •Resolve methodological challenges for measuring the impact of climate disasters heatwaves, droughts, and wildfires.
- Use higher resolution (subnational) data on disaster footprints and exposed populations

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#### **THANK YOU**

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