



World Health  
Organization



UNECE



OECD



UNDRR



UK Health  
Security  
Agency

## IAEG Task Force on Measuring Hazardous Events and Disasters

### Task D: Statistical review of the “Hazard definition and classification review”

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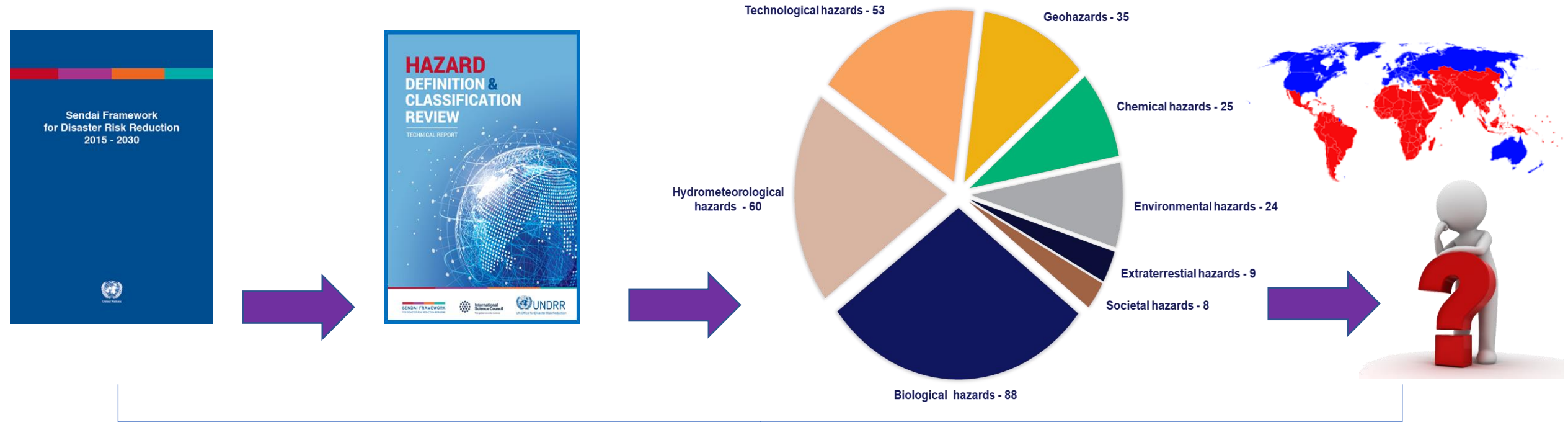
15<sup>th</sup> TWG on Disaster Related Statistics (Asia-Pacific)

23 February 2022

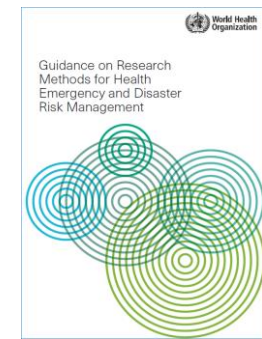
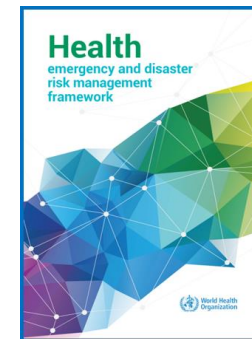
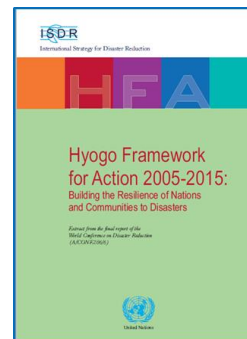


The Background...

# UNDRR/ISC Hazard Information Profiles



UNITED NATIONS  
**PARIS CLIMATE AGREEMENT**  
SIGNING CEREMONY  
— 22 APRIL 2016 —



# How Can Hazard Information Profiles Be Used Operationally?



## Disaster Related Statistics

*“A growing sense of urgency to integrate disaster measurements with statistics, and the **need for better data and statistical measurement to improve the understanding of disaster risk reduction, including strengthening resilience and preparedness.**”*

(UN Statistical Commission)

<https://unstats.un.org/unsd/envstats/meetings/2019-Caricom%20Region/documents/Session%206.3.1%20UNSD%20-%20Disaster-related%20Statistics.pdf>



# Disaster Related Statistics Pilot Background

The UNDRR/ISC Hazard Definition and Classification Supplement now provides a common set of hazard definitions for monitoring and reviewing implementation of the Sendai Framework, Sustainable Development Goals of Agenda 2030 and the Paris Agreement on Climate Change.

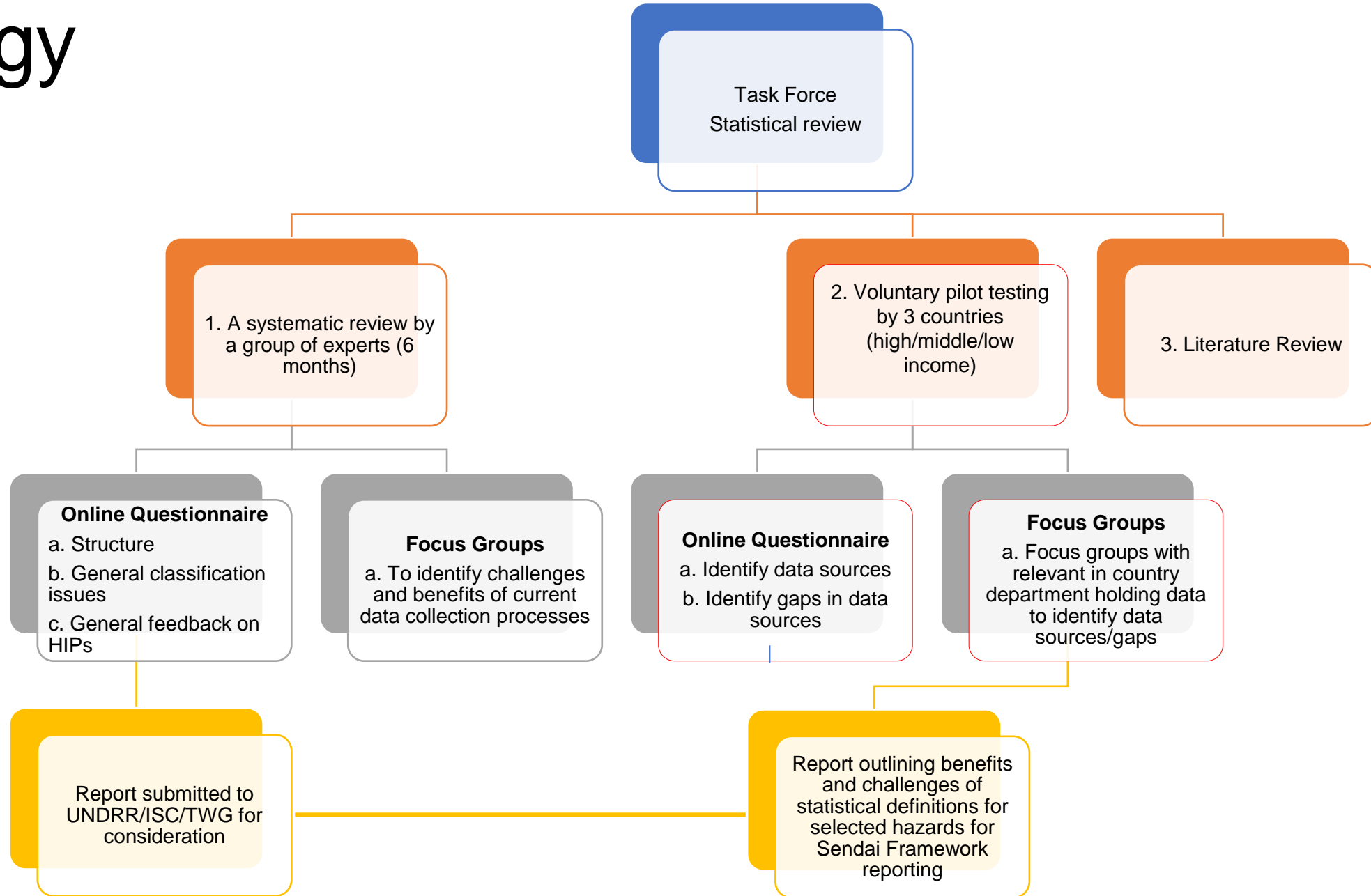
- It is recommended to governments and their NSOs to use the reviewed classification for monitoring and reporting in DRR, and to gradually implement it in databases and reporting systems.
- Therefore, it is of outmost importance to review the new hazard classification by experts of National Statistical Systems in order to:
  - a) Provide input for regular review and update;
  - b) Identify possible gaps and shortcomings;
  - c) Allow development of implementation guidance;
  - d) Support communication between classification owners and users within the statistical community

# Primary Objective of the Disaster Related Statistics Pilot

**To provide feedback from a statistical point of view on the applicability of the reviewed hazard classification and its HIPs.**

- This will be an important input in the planned review and update of the classification, including addressing possible gaps and shortcomings.
- It also provides a fundamental basis for development of practical implementation guidelines.

# Methodology





# Systematic Expert Review

## Research Question

Currently the Sendai Framework has 7 global targets. Four of these are related to mortality, finance, population affected and infrastructure.

How effective are current data collection and collation systems at providing accurate figures for the global targets?

# 1. Systematic review by a group of experts

An initial group of interested experts has already been formed by members of the ECE Task Force.

Via survey (snowball methodology) we are encouraging more volunteers across the world to join the expert group.

## How will HIPs be selected for review?

Given the large number of HIPs and their different importance the following criteria could be applied for prioritisation:

- Global and regional relevance
- Reviewer's perspective: national relevance and personal expertise
- Suggestions received via survey **(still open!)**  
<https://surveys.phe.org.uk/TakeSurvey.aspx?PageNumber=1&SurveyID=84K0m631J&Preview=true#>

## Guiding questions for the review

- Questions concerning the structure of the classification in terms of scope, completeness, hierarchical organisation and mutual exclusivity
- Questions on the individual HIPs including questions on the scope, terminology, clarity from the implementation point of view, relation with currently used classification in countries, etc.

# Voluntary Pilot Country Testing

## Research Question

How do countries capture data for the first four global targets of the Sendai framework for their chosen hazards and what challenges do they face?

## 2. Voluntary Pilot Testing by Countries

**OBJECTIVE:** to receive feedback from experts who already operate statistical databases on hazards and disasters or are planning to develop such databases.

- Guiding questions will include the same questions as used for the systematic review plus a few other (open) questions, for example:
  - How does the reviewed hazard classification link with your currently used national classification (e.g. classifications used in databases)
  - Which further clarifications could be useful?

(Based on selected hazards)

- What data do you collect around this hazard?
- Who collects this data?
- Perceived accuracy?
- Data gaps?

# Governance Structure

Inter-Agency and Expert Group on  
Disaster-Related Statistics (IAEG)

IAEG: Quarterly review

Task Force: Weekly review

**Task Force on Measuring Hazardous  
Events and Disasters**

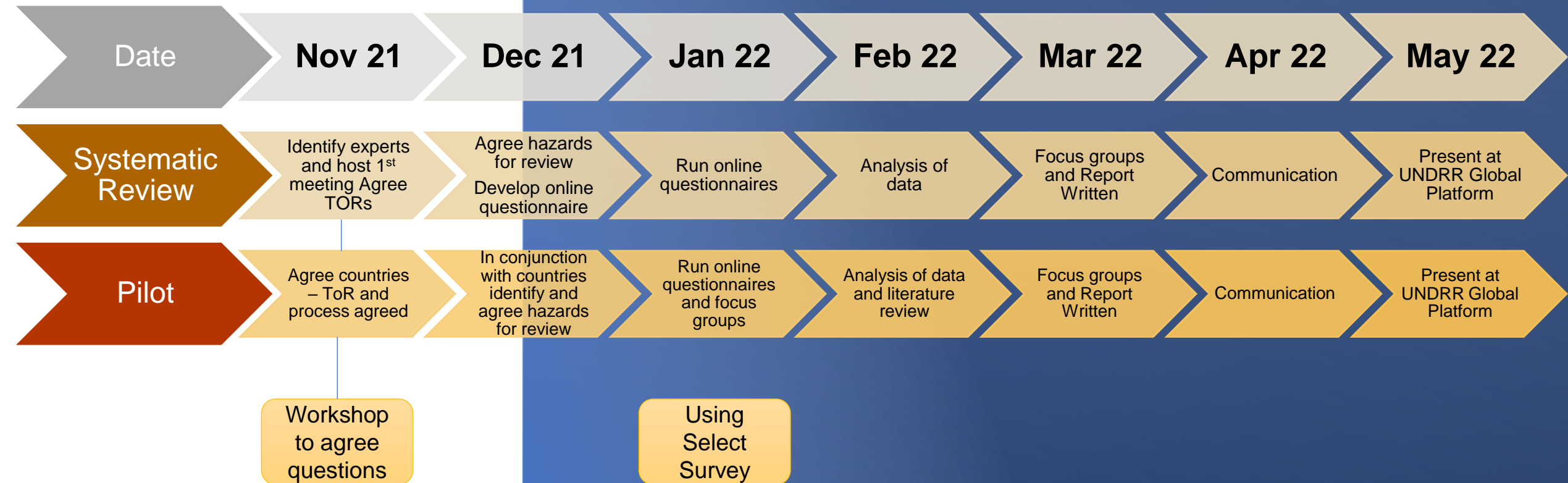
**Project Team**

Kanza Ahmed (Project Lead)

Michael Nagy

Daniel Clarke

# Timelines

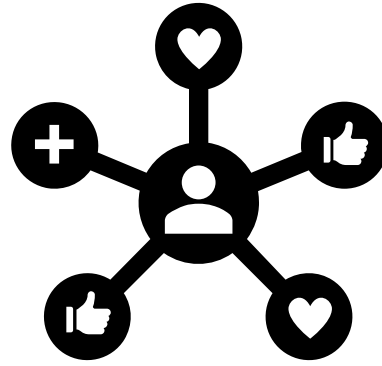




# Options for Engagement with DRS Pilot

- Engage in DRS Pilot Survey  
<https://surveys.phe.org.uk/TakeSurvey.aspx?PageNumber=1&SurveyID=84K0m631J&Preview=true#>
- Engage in Expert Focus Groups:  
[https://doodle.com/poll/wycmxub9abmquh4h?utm\\_source=poll&utm\\_medium=link](https://doodle.com/poll/wycmxub9abmquh4h?utm_source=poll&utm_medium=link)
- Volunteer for country pilots

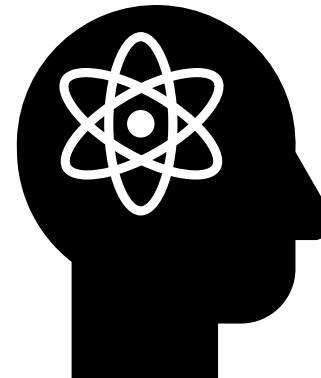
# Why should you be involved?



Influence process  
Engage stakeholders  
Gain buy-in



Use expertise to develop  
statistical definitions



Contribute to the  
development of a new  
field of disaster science

Thank you