Welcome to the Epi Parameter Community Webinar Series

Artificial Intelligence to Automate Evidence Surveillance: Application to the Epidemiological Parameter Pipeline

Monday 25 March 2024, 16:00 -17:00 CET

World Health Organization

Meeting agenda

Timetable for TWG Meeting: 25th March 2024 16:00 – 17:00 CET	
16:00 – 16:05	**Welcome and introduction** – Patricia Ndumbi, WHO
16:05 – 16:15	**The role of AI in living systematic reviews and evidence surveillance** – Lisa Waddel, PHAC
16:15 – 16:25	**Evolution of AI Technology and Advancements for the Identification and Screening of Literature** – Emma Tomini, PHAC
16:25 – 16:35	**Systematic Review Automation for Airborne transmission model** – Elias Sandner, CERN
16:35 – 16:45	**CliZod, compiling the evidence on the climate sensitivity of zoonotic diseases** – Emilie Vallee, Massey University
15:45 – 15:55	**Questions and discussions** – Moderated by Lisa Waddel and Patricia Ndumbi
15:55 – 16:00	**Closing remarks and next steps** – Patricia Ndumbi, WHO

Our presenters today…

Quick Community Survey (will take 2 minutes!)

AI to Automate Evidence Surveillance: Application to the EpiParameter Pipeline

To let us know:

- If you'd like to be added to the mailing list
- If you'd like to actively contribute to a specific workstream
- If you'd like to connect or collaborate with one of today's presenters
- If you'd like to present or know someone who would like to present at our webinar series

Global repository of epidemiological parameters – Collaborative approach

- Expertise in evidence synthesis methodologies
- AI tools for parameter extraction

CERN

MASSEY UNIVERSITY
TE KUNENGA KI PŪREHUROA
UNIVERSITY OF NEW ZEALAND

Public Health Agency of Canada
Agence de la santé publique du Canada

- Extraction of parameters for 9 priority diseases
- {EpiReview} package

Imperial College London

Prioritization of diseases and parameters

Extraction of parameters

Storage and use of parameters

Maintenance and validation of parameters

Scientific recognition and other incentives

Epiverse
powered by data.org

GLOBAL .hEALTH

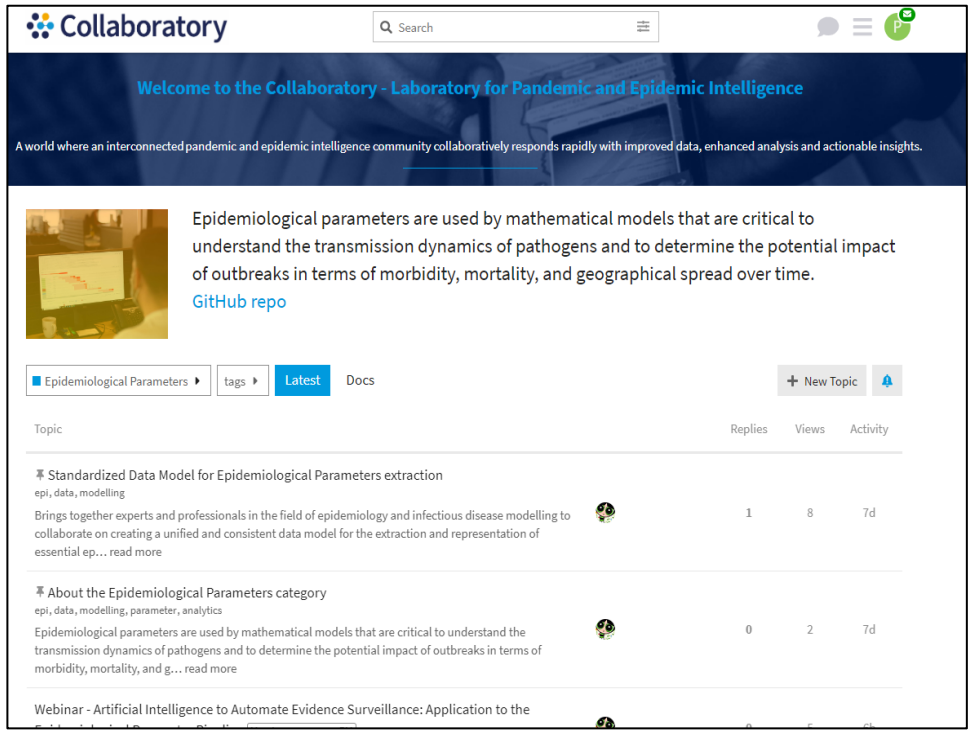
Federated analytics

Epiverse
powered by data.org

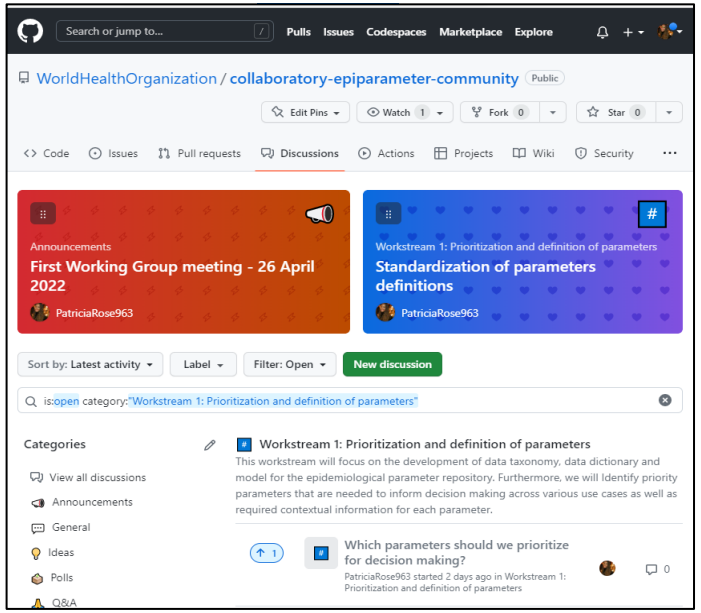
- Analytical tools
- {Epiparameter} package

How to Join and Contribute to the WHO Epi parameter community

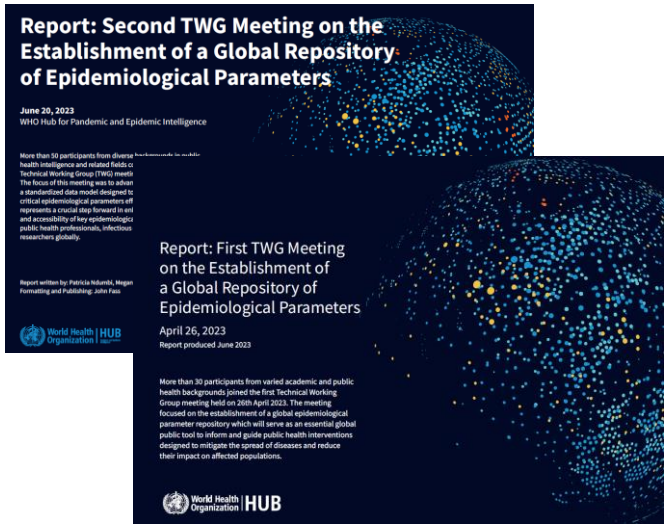
Discourse



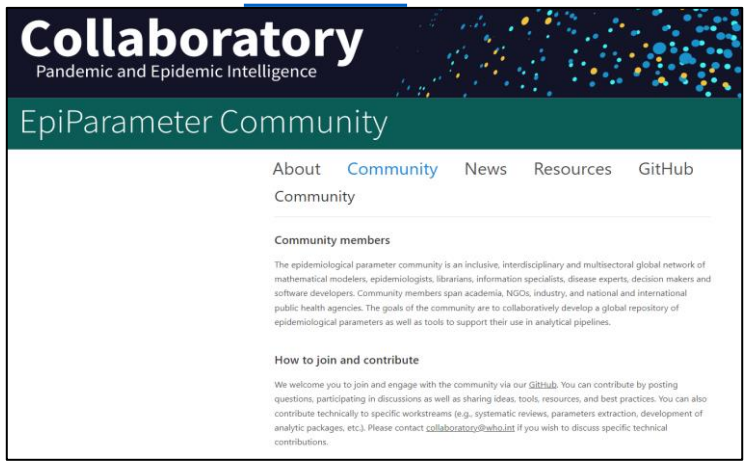
GitHub



TWG meeting reports



Website



TWG virtual meetings

Outbreak analytics Hackathon

What is Next?

AI to Automate Evidence Surveillance: Application to the EpiParameter Pipeline

- Next Monthly Webinar in April – topic and date TBD.
- Workstream 2 specific working group on AI – to be coordinated by Lisa Waddell, PHAC.
- In person Workshop on refining the GREP database schema – May 14-16, Berlin.

Thank you

What is Next?

EpiParameter Collaboratory Workshop: Refining the GREP database schema

- In-person Hackathon on May 14-16th , Berlin.
- Test Public Health use cases to inform /refine the database schema and structure
- Identify challenges and solutions related to parameters extraction
- Enhance interoperability between parameter data storage solutions and analytical tools