MICROBIAL BIOINFORMATICS HACKATHON

VIRTUAL EDITION

BIOINFORMATICS TOOLS AND METHODS FOR AMR IN BACTERIA

11-13 October 2021

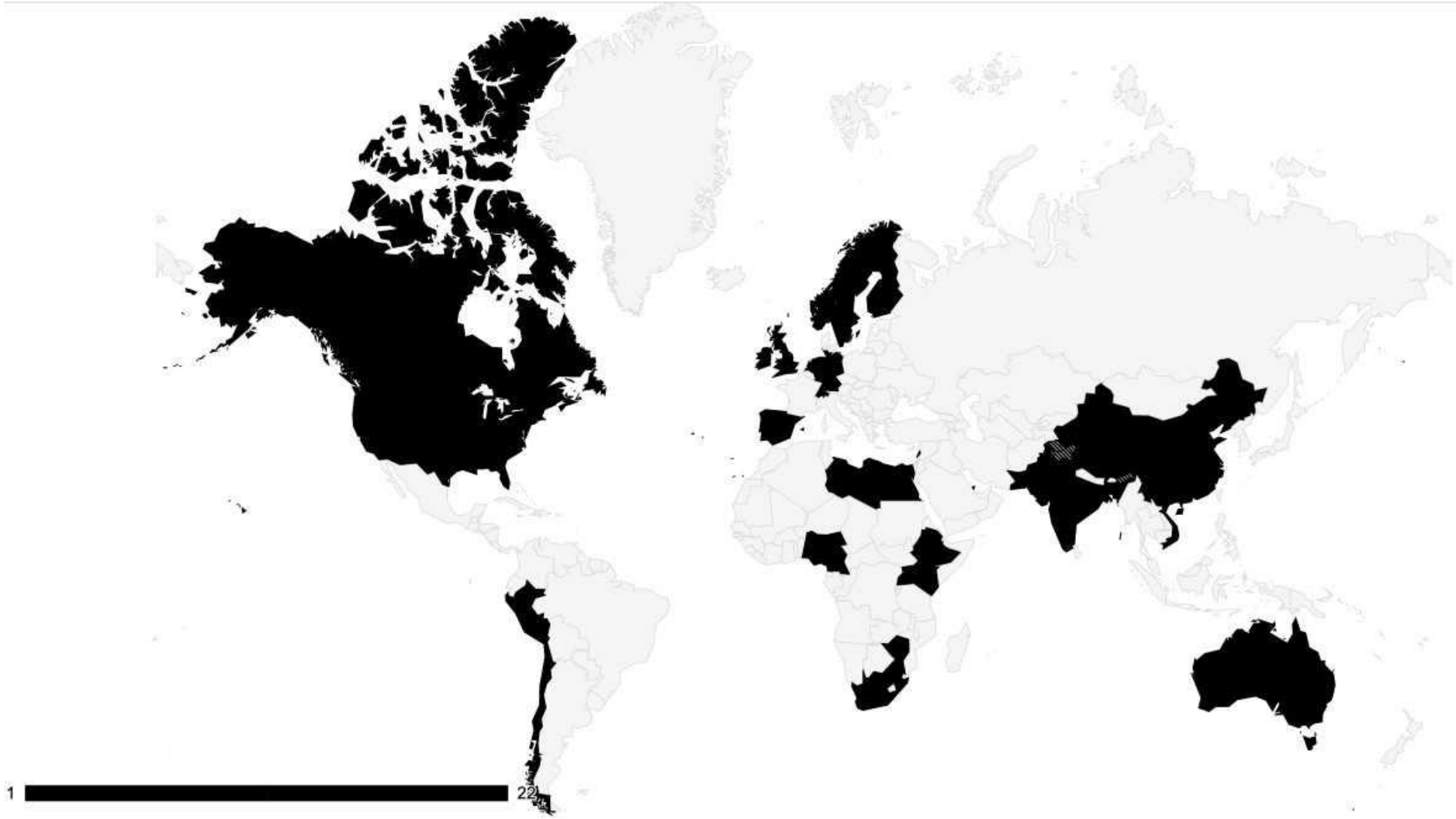
7-11 am Vancouver time
3-7 pm London time

Public Health Alliance for Genomic Epidemiology

jpiamr

CLIMB BIG DATA

WELCOME!



- 78 participants from 32 different countries

Agenda

1. Hackathon 101
    - How it works
    - Resources
    - Certificates of participation

2. Organization overviews (PHA4GE, JPIAMR, CLIMB BIG DATA)

3. Projects (Andrew, Finlay)
    - Targeted
    - Brainstorming

4. START!
    - Head to Discord

5. Regroup
    - Updates

Hackathon 101

- Meant to be a technical meeting (training workshop on FRIDAY)
- Roll up our sleeves and work on (solve) problems
- Consensus and feedback

- Predesigned challenges prioritized by organizational teams + brainstormed projects

- **GOAL: code, documentation, products, draft/outline of manuscripts**

- password-protected post on the CLIMB-BIG-DATA website with all relevant information for participants: https://www.climb.ac.uk/amr-hackathon-participants-only/
- Password: AMR$Hackathon21

Resources

- Development space (CLIMB BIG DATA)
  - 2 VMs
  - IP: 147.188.173.103
  - Domain: amr-hackathon-1.climb.ac.uk
  - Should have been sent username and password

- DISCORD
  - Discord server: https://discord.gg/VPDtSb9Y

- GitHub organization
  - https://github.com/AMR-Hackathon-2021

Certificates & Feedback Forms

- Give us feedback so we can improve, tell us if this was useful
- Submitted forms will get certificate of participation

Hashtag: #AMRHack2021

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Data Structures | Bioinformatic Pipelines and Visualizations | Infrastructure
Public Repositories | Reference, QC and Validation | Workforce Development
Data Sharing and Ethics | Users and Applications

https://www.pha4ge.org | https://www.github.com/pha4ge | @pha4ge

- Develop/promote implementation of data standards in public health settings, increased interoperability/reproducibility
- Goal: Improved public health response and surveillance

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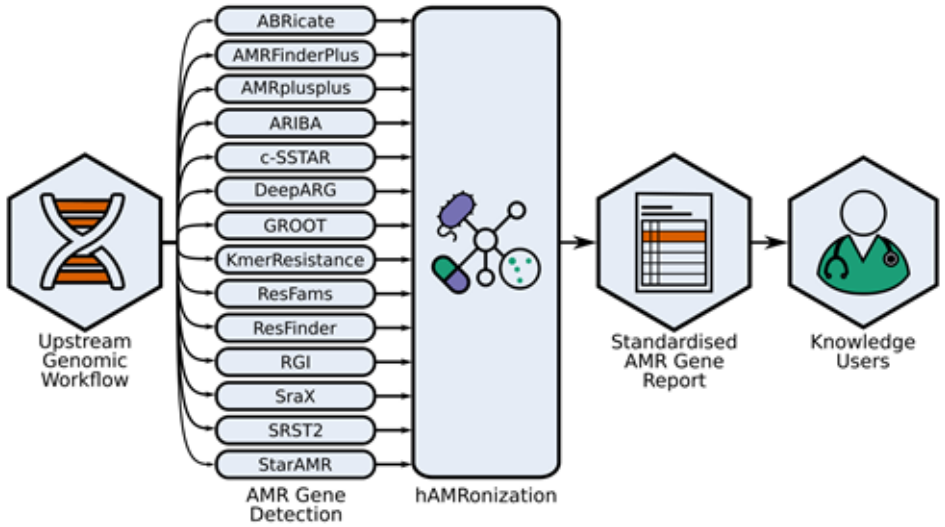
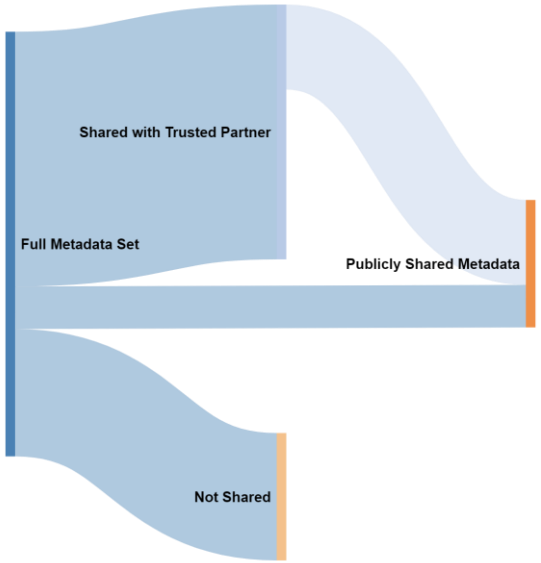
Projects

Join the team!
https://www.pha4ge.org





hAMRonization
https://github.com/pha4ge/hAMRonization

SARS-CoV-2 Contextual Data Specification
https://github.com/pha4ge/SARS-CoV-2-Contextual-Data-Specification