

Brief summary

RDA COVID 19 Working group:

Epidemiology

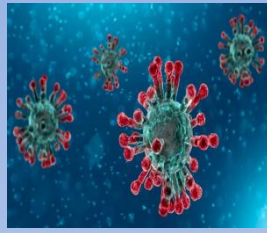


Gabriel TURINICI

CEREMADE, Université Paris Dauphine
Sept 16th 2020

Disclaimer

content is intended for research.
Do not take medical decisions on
information in this presentation; if
in need for health advice consult
your licensed medical doctor.



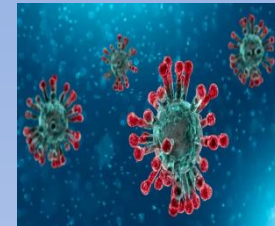
Background

Current COVID-19 pandemic does not seem to orient towards a natural resolution (extinction)

Anti-viral treatments are a challenge (benefits, time).
Vaccination is very likely to be implemented but has many unknowns (short test time, clinical impact, acceptability).

Conclusion: both clinical and societal challenges that require evidence based research.

Initial call



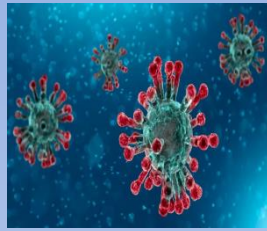
RDA issued [a call for experts](#) in March 2020 with goal to produce by April 15th a data guidelines document encouraging a efficient sharing of research data (general, epidemiological, clinical, etc.).

The screenshot shows the RDA website with a green header. The main content area features a large heading: "RDA COVID-19 Working Group - Urgent Call for Expert Contributions". Below this, there is a date stamp "24 MAR 2020" and a text block stating: "As an international, consensus-driven, community based organisation, the Research Data Alliance (RDA) has been asked to leverage on the global RDA data community to support the urgent Coronavirus COVID-19 pandemic. As a response, RDA has set up a fast track Working Group titled the "RDA COVID-19 Working Group".". To the right, there is a "Next Event" section for an online seminar on "Building metadata standards within Engineering disciplines and communities" on 15th September 2020. The URL at the bottom of the screenshot is "https://www.rd-alliance.org/recommendations-outouts".

Coordination

- Juan Bicarregui, Head of Data Division, UKRI-STFC & EOSC Executive Board
- Anne Cambon Thomsen, Emeritus Research Director CNRS & RDA Ambassador for Health Sciences & Research Ethic
- Sarah Jones, Associate Director, Digital Curation Centre (DCC) & EOSC Executive Board
- Mark Leggott, Executive Director, Research Data Canada & RDA Council Co-Chair
- Priyanka Pillai, Health Informatics Specialist, University of Melbourne

Personal background



Position: Professor at Université Paris Dauphine –PSL, having worked on SRAS 2003 ([clinical hypothesis, proved true since then concerning the gastro-tropism](#)) +...

Research topics in epidemiology: mathematical modeling, behavioral aspects of epidemics, vaccination hesitancy ...

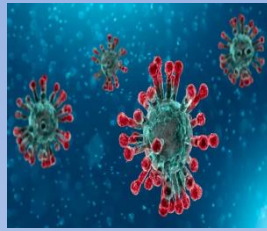
2020: COVID19

Research interests :

- on propagation routes (doi: [10.1101/2020.02.14.20022939](https://doi.org/10.1101/2020.02.14.20022939)),
- lock-down (doi: [10.1051/mmnp/2020022](https://doi.org/10.1051/mmnp/2020022))
- heterogeneity (doi [10.1101/2020.05.15.20103010](https://doi.org/10.1101/2020.05.15.20103010))
- Immunology

Other work: counseling for some private or public bodies, organizer of research seminars, ...

Epidemiology group



Call working groups:

- [Clinical](#)
- [Omics](#)
- [Epidemiology](#)
- [Social Sciences](#)
- [Community Participation](#)
- [Indigenous Data](#)
- [Legal and Ethical](#)
- [Software](#)

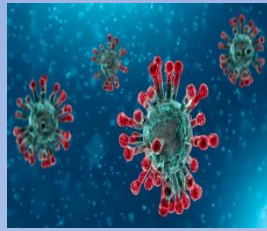
[Epidemiology](#) group:

Co-chair assigned: [Priyanka Pillai](#)

Moderator(s): [Claire Austin](#), [Gabriel Turinici](#)

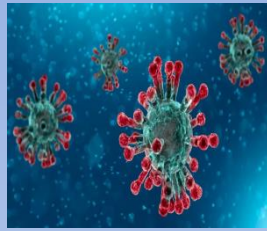
With help from Anne Cambon-Thomsen ...

Epidemiology group



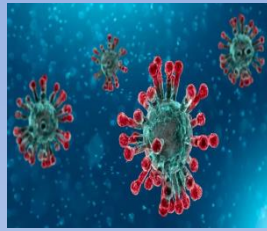
- **Participants:** 80+ people from research and industry, mostly with computer or data science background but with interests in the epidemiology area
- **Epidemiology subgroup priorities**
- **Guidelines and recommendations** for producing, sharing, and using COVID19 Epidemiology **data**.
- **Identify COVID19 resources** and references [datasets/repositories, software/code, standards, journal articles].
- **Build** a curated in Zotero Web Group **Library of resources** and references.
- A **Decision Tree tool** to facilitate navigation to specific COVID19 Epidemiology Resources.

Epidemiology group



- Working schedule: virtual meetings twice a week (chaired by Claire Austin)
- Work on the documents (keywords: international data standard, coordinated global response system)
- Official outputs: [Sharing COVID-19 Epidemiology Data, The final version of the RDA COVID-19 Recommendations and Guidelines for Data Sharing, published 30 June 2020](#)

Comments and questions



Challenge: organize, in unprecedented times (lock-down, etc.) , a worldwide relevant response to general questions of COVID-19 data: **SUCCESS !**

Difficulties: fast evolving environment, simultaneous needs from different perspectives

Future: impact of the work (clinical, economical, political), articulation with other public or private bodies

RDA-France group : more to come !!