Brief summary
RDA COVID 19 Working group: Epidemiology

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RFA France Day: Sept 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.
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.).

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])
- lock-down (doi: [10.1051/mmnp/2020022])
- heterogenity (doi [10.1101/2020.05.15.20103010])
- Immunology

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

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Call working groups:

- **Clinical**
- **Omnics**
- **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.

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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](https://example.com), [The final version of the RDA COVID-19 Recommendations and Guidelines for Data Sharing](https://example.com), 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!!