

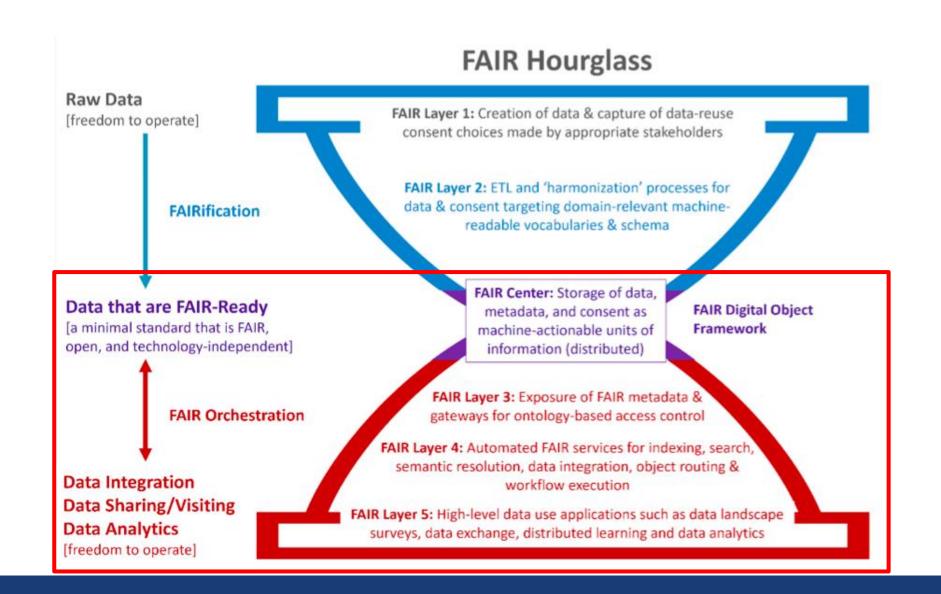
Once data are FAIR,

machines and people can find and use them

Projectleidersbijeenkomst Infectieziekten bestrijding & Antimicrobiële resistentie, ZonMw "Over het FAIRificeren van data in de IZB & AMR-projecten van ZonMw"

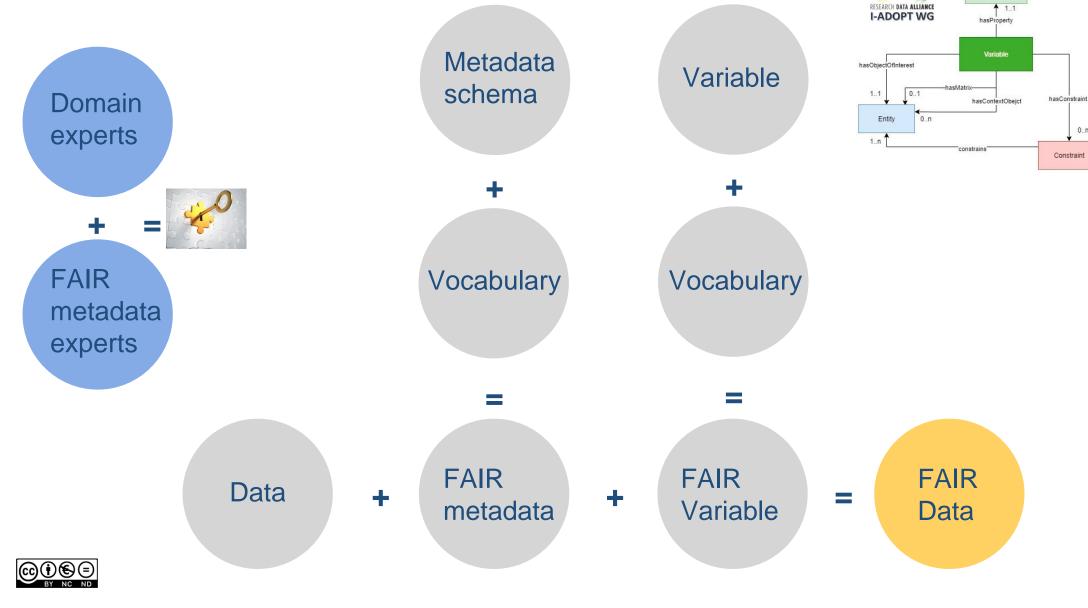
June 22, 2022 Jeroen Belien





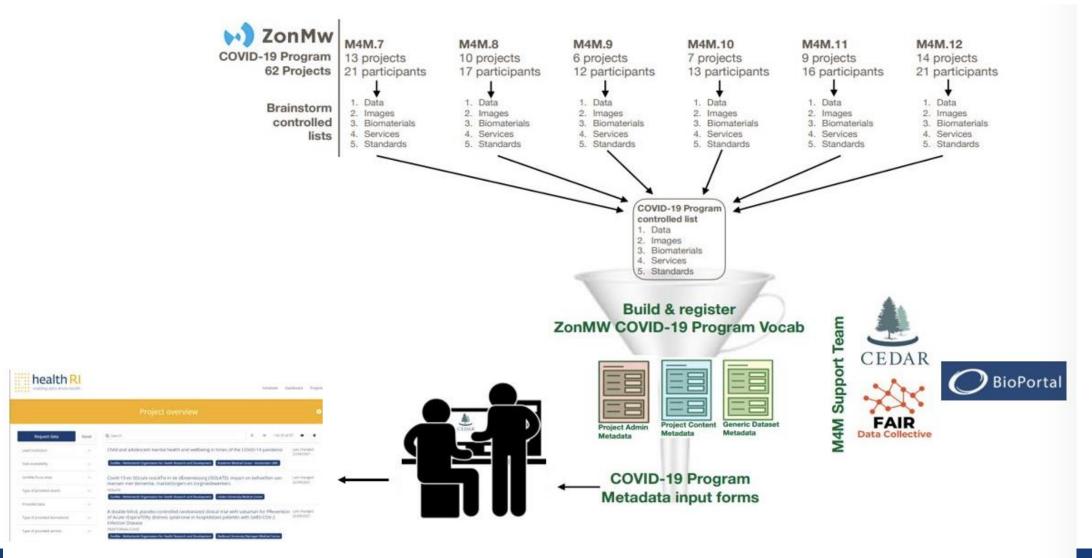


### Road (so far) to machine actionable (meta)data



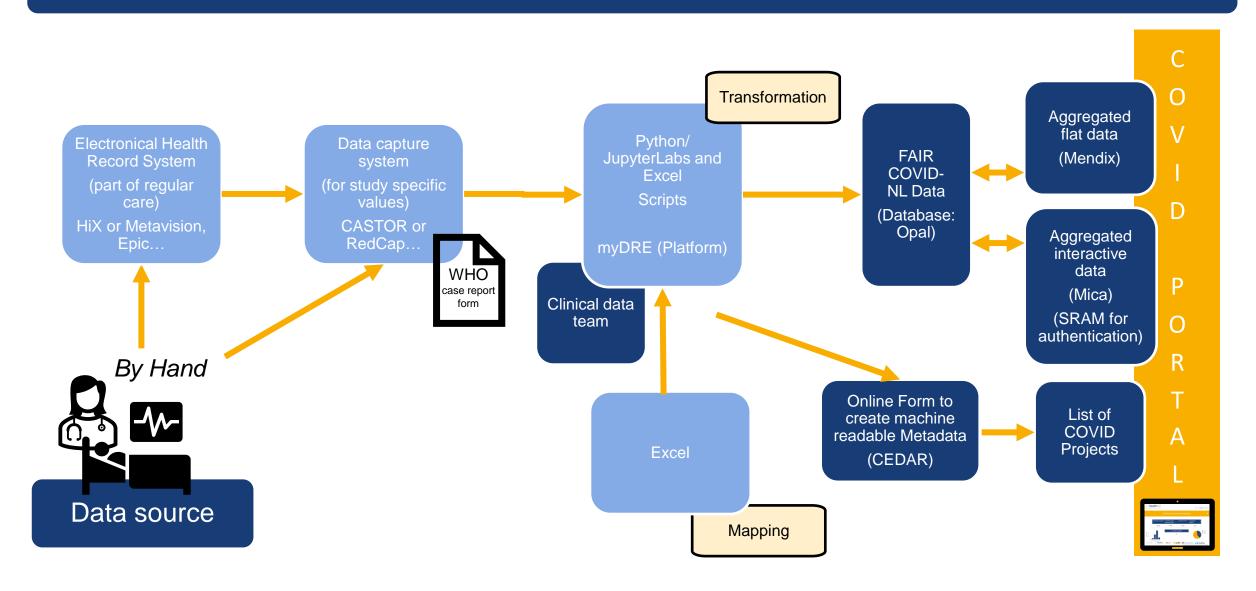


### From Community to Data Portal



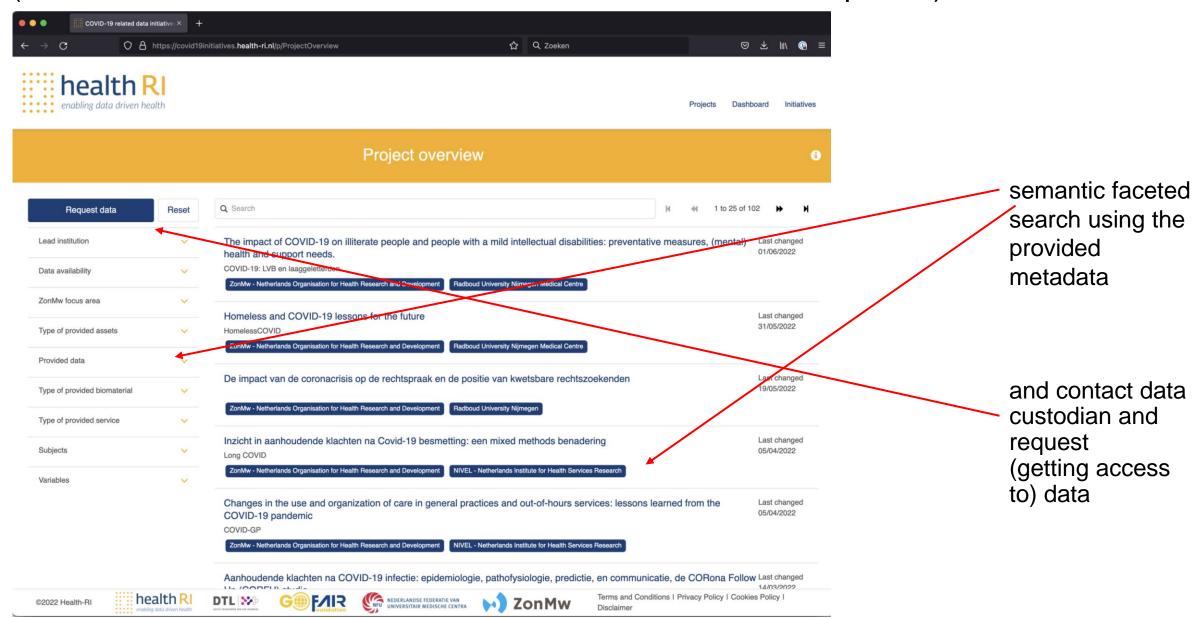


#### Data ETL workflow from an institute/collaboration to a portal

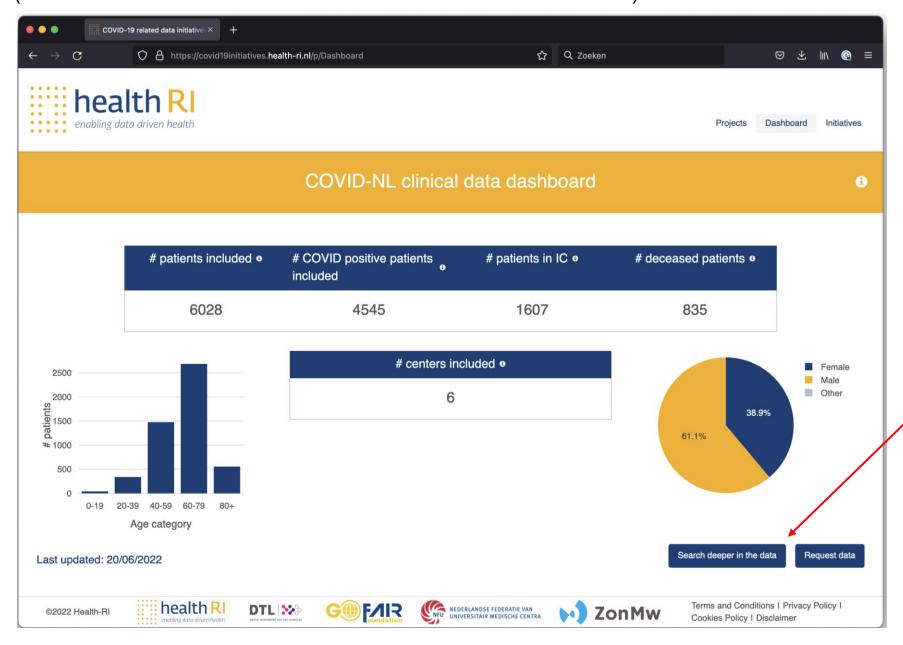




## ZonMw metadata portal: <a href="https://covid19initiatives.health-ri.nl/p/ProjectOverview">https://covid19initiatives.health-ri.nl/p/ProjectOverview</a> (machine readable metadata → easier → human readable portal)



NFU COVID-NL metadata portal: <a href="https://covid19initiatives.health-ri.nl/p/Dashboard">https://covid19initiatives.health-ri.nl/p/Dashboard</a> (also built on machine readable metadata from CEDAR)



Search and request (getting access to) data

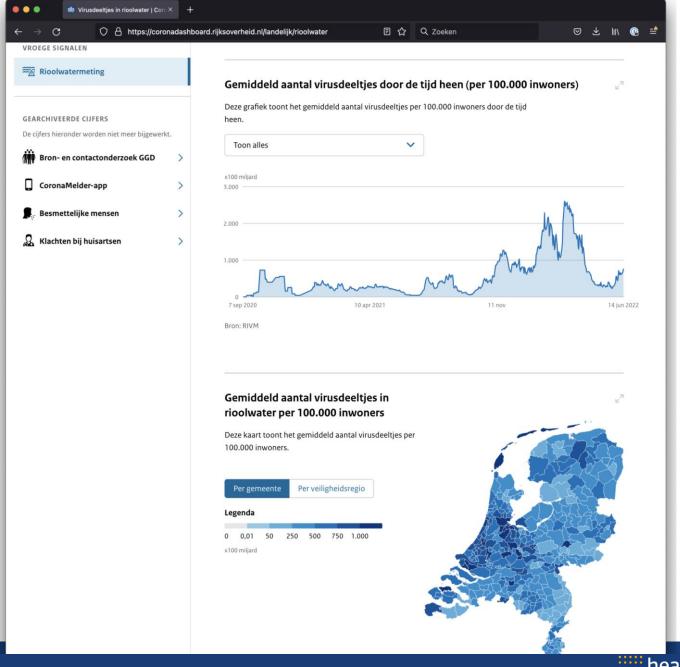
### So why do we need machine readable data?

- Lessons learned so far:
  - machine readable metadata  $\rightarrow$  easier  $\rightarrow$  human readable portal
  - study metadata already **findable** from *the start* of projects while new data still is being generated
  - metadata is **interoperable** 
    - at the same portal
    - metadata no longer is restricted to "that one portal"
      - based on standards, like DCAT, that facilitates interoperability between data catalogues/repositories published on the Web
      - E.g. NFU COVID data -> <a href="https://www.covid19dataportal.org/">https://www.covid19dataportal.org/</a>
  - discoverability of metadata increased



### Other examples

- Open data: corona dashboard
- Rioolwater





# FAIR orchestration: FAIR Data Points etc. by Mirjam van Reisen see what's FAIRly possible now in Africa thanks to VODAN Africa

