



# A community effort for COVID-19 Ontology Harmonization

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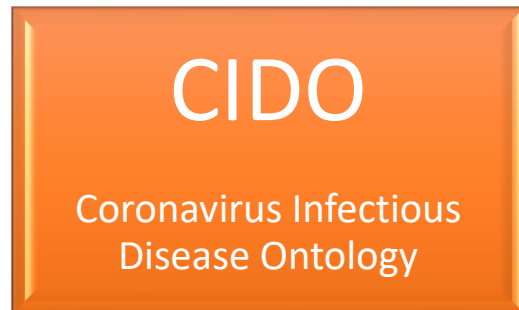
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ICBO 2021

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# The community

:: Yongqun “Oliver” He  
:: William Duncan  
:: Asiyah Yu Lin, and et.al



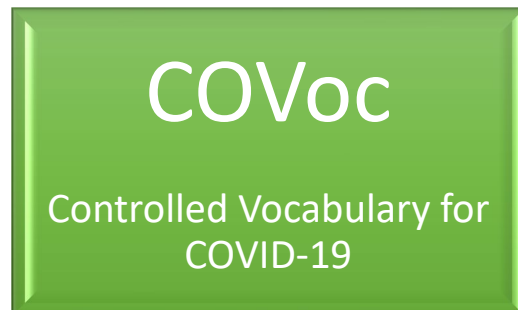
:: Yuki Yamagata  
:: Tatsuya Kushida  
:: Hiroshi Masuya



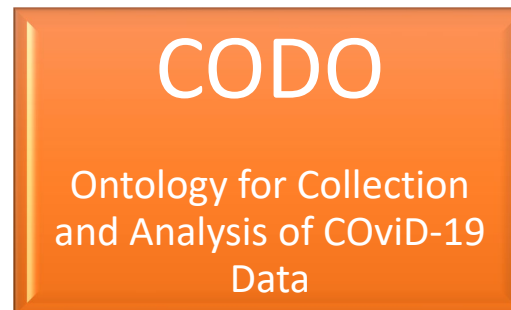
:: John Beverley  
:: IDO team



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:: Zoë May Pendlington  
:: Paola Roncaglia



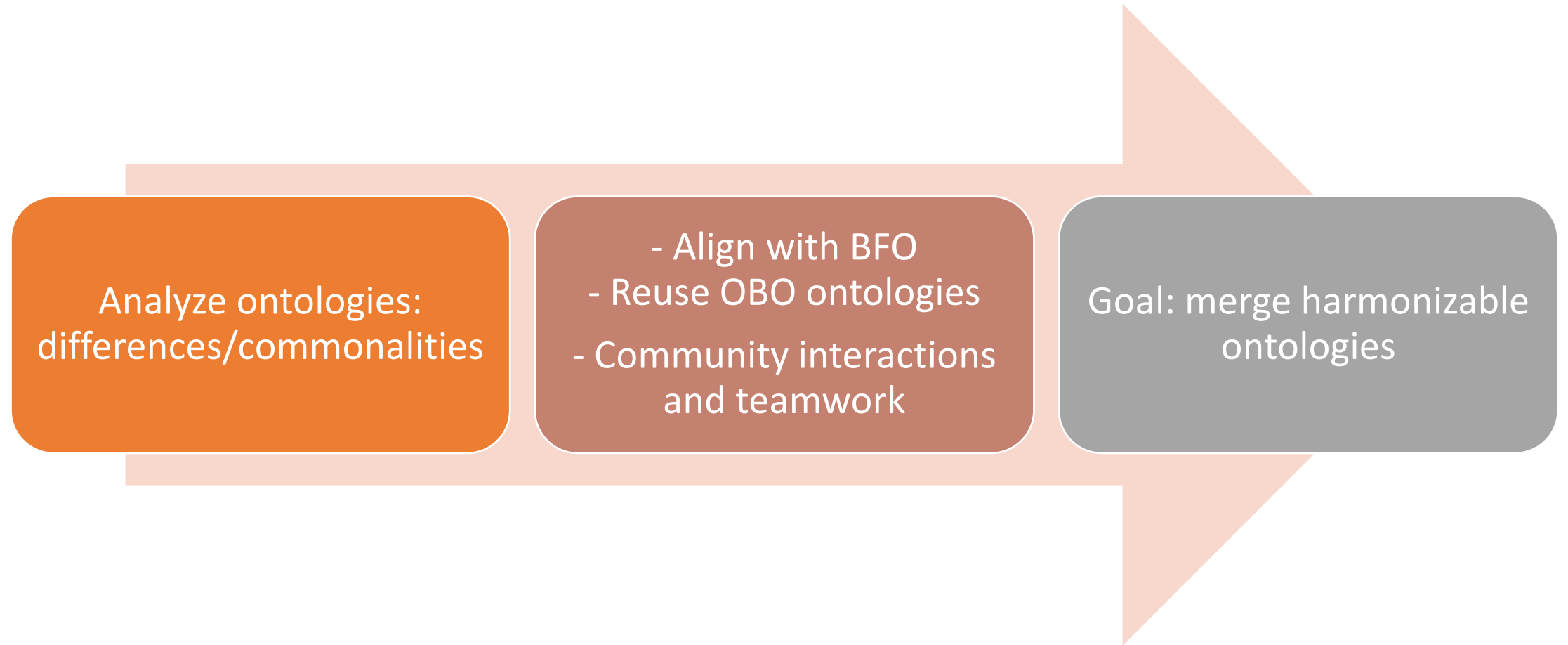
:: Biswanath Dutta  
:: Michael DeBellis



:: Leigh C. Carmody

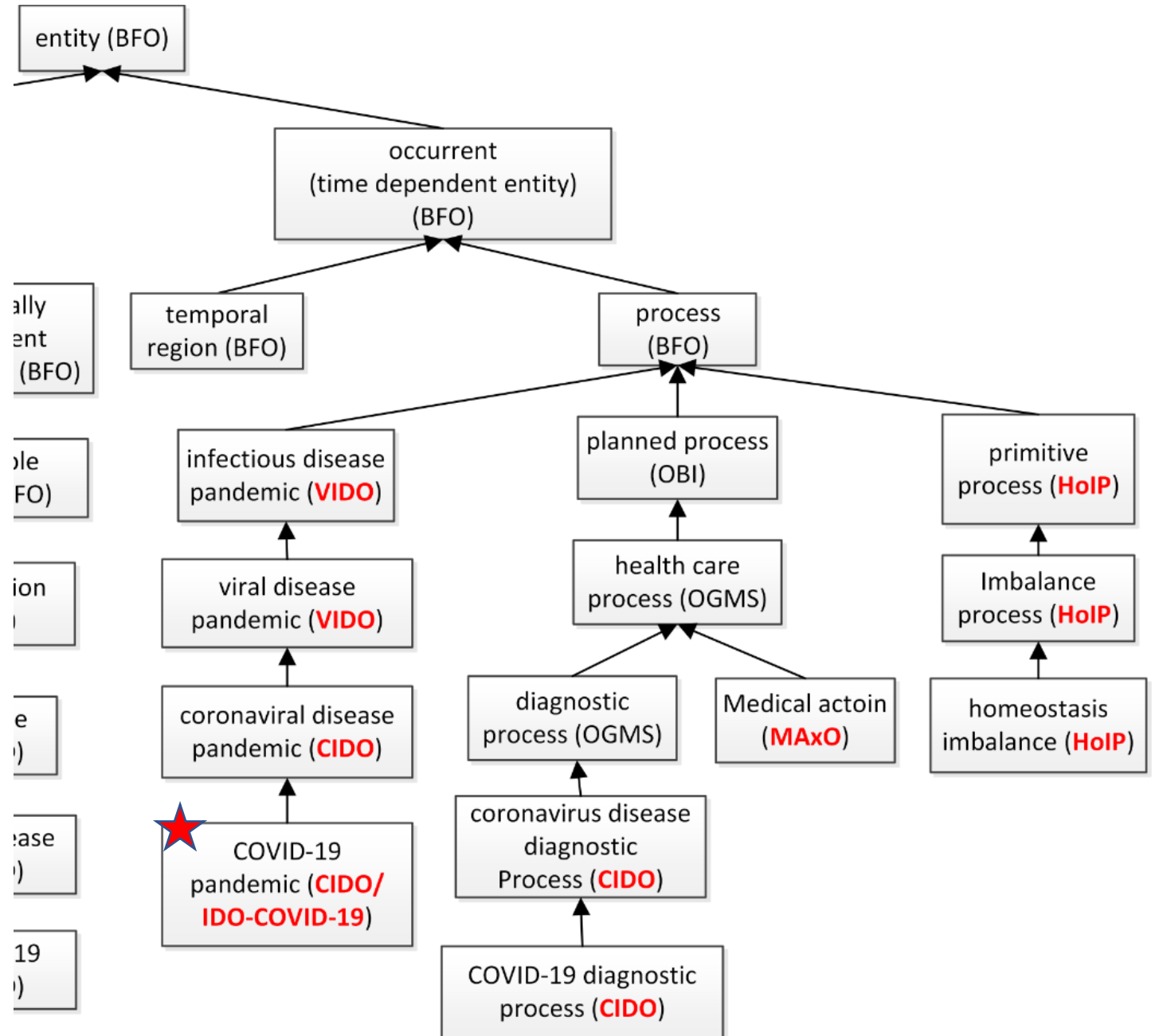


Motivation: as a community, produce as little ontologies as possible for end users.



# Achievements

- CIDO and IDO-COVID-19 merged.
- VIDO and CIDO/IDO-COVID-19 harmonized.
- COVoc submits and reuses CIDO terms.
- HoIP mapping to CIDO.
- CODO aligning to BFO.
- Built a collaborative community aims to harmonization for COVID-19 ontologies





# Next Step

- Continue current harmonization process:
  - Tier 1: merge harmonizable ontologies
  - Tier 2: build BFO conformed/aligned ontologies
  - Tier 3: interoperable ontologies (non-BFO and BFO based)
- Reach out to other similar efforts
  - covid19-epidemiology-ontology (CEMO): Epidemiology and monitoring ontology for COVID-19
  - Genomic Epidemiology Ontology (GenEpiO)
- Welcome to join us!
  - <https://github.com/CIDO-ontology/COVID-19-ontology-harmonization/issues>