

DID THE PANDEMIC HELP OPEN SCIENCE?

Inge Van Nieuwerburgh – "The pandemic two years on - what consequences for international cooperation?" – 24 March 2022

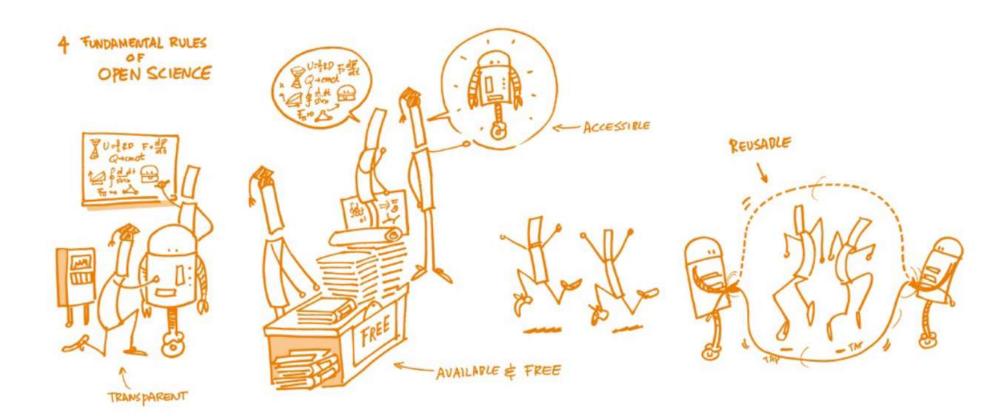




DILEMMA

Information overload Vs Open science







RRI is about: including all actors, and considering specific key issues and process dimensions





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PREPRINTS

"The COVID-19 pandemic has seen a surge in the numbers of preprints submitted by researchers [97]. While 807 preprints were deposited on medRxiv in the six-month period between 1st July 2019 and 31st December 2019, 6,771 preprints were submitted in the next six months (between 1st January 2020 and 30st June 2020), an increase of 739%. These figures are, respectively, 15,838 and 21,804 for bioRxiv (38% increase) and 87,942 and 112,197 for arXiv (28% increase). A recent study [98] gives more insights on the scale of this disruption. The use of preprints during outbreaks is certainly not new: a systematic review identified the publication of 174 and 75 preprints during the Ebola and Zika virus outbreaks, respectively [99]. Nevertheless, these figures are much smaller than the number of preprints submitted in the first 6 months of the COVID-19 pandemic."

Besançon, L., Peiffer-Smadja, N., Segalas, C. *et al.* Open science saves lives: lessons from the COVID-19 pandemic. *BMC Med Res Methodol* **21**, 117 (2021). https://doi.org/10.1186/s12874-021-01304-y



PRE-PRINTS

U brak nog met een tweede taboe: u trekt zo snel mogelijk naar de media en wacht niet af tot een analyse in een vaktijdschrift is gepubliceerd.

'We analyseren een extreem weerfenomeen in realtime en wachten niet op de peerreview, de gebruikelijke en belangrijke kwaliteitscontrole door collega-wetenschappers. Je kan dat arrogant noemen. En als ik het niet zelf zou doen, zou ik ook heel sceptisch zijn over die werkwijze.'

Waarom moeten wij dan vertrouwen hebben in uw analyses?

'De methodiek achter onze analyses is niet nieuw en is onderworpen aan alle nodige kwaliteitstoetsen. Onze snelheid compenseren we bovendien door telkens heel transparant te zijn. We nodigen iedereen uit om met onze data alles na te rekenen.'

'We publiceren onze resultaten ook nog altijd in vaktijdschriften en daarvoor moeten ze de peerreview doorstaan. Tot dusver hebben we nog geen enkele keer de resultaten en conclusies moeten bijstellen die we hadden gepresenteerd. Juist omdat veel klimaatwetenschappers sceptisch waren over ons werk – en nog altijd zijn – liggen onze studies steeds onder het vergrootglas. Er zijn volgens mij geen andere studies in de klimaatwetenschap die even streng worden beoordeeld.'



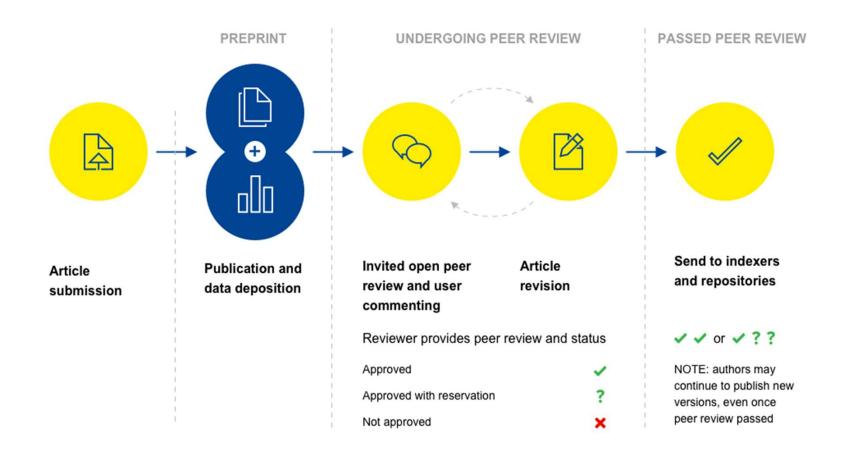
Interview Friederike Otto door Maxie Eckert,
De Standaard zat. 16 okt. 2021,
https://www.standaard.be/cnt/dmf20211015
97573912

OPEN PEER REVIEW



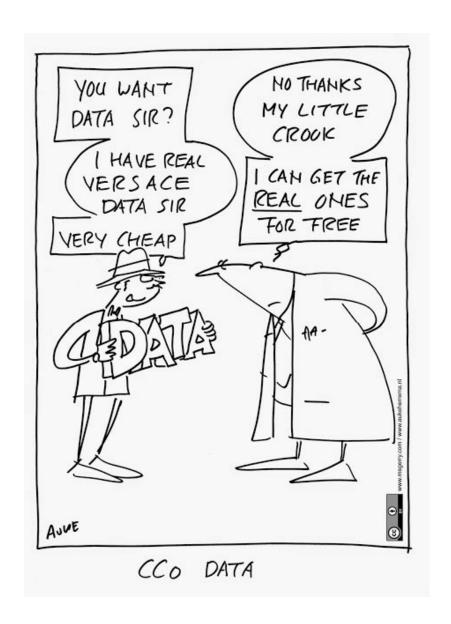


ORE: PUBLISHING VENUE FOR EU RESEARCH





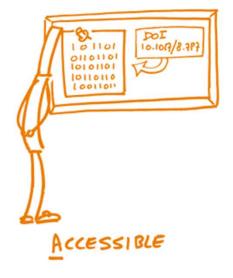
FAIR & OPEN DATA





FAIR DATA PRINCIPLES









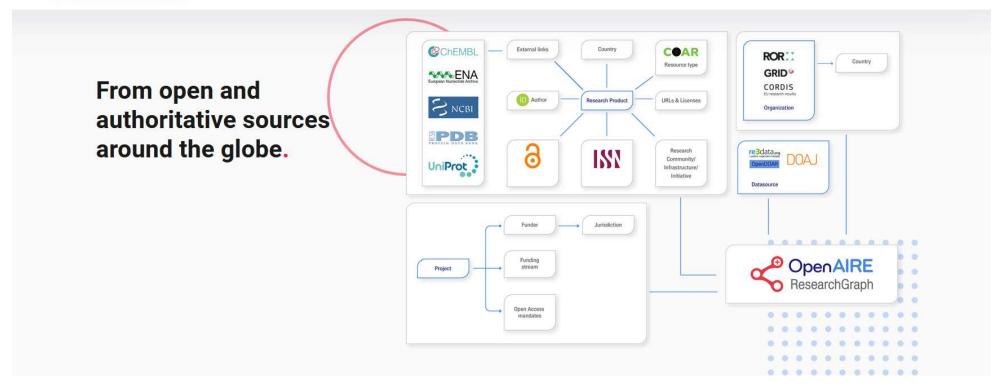
https://book.fosteropenscience.eu/



COMBINE SOURCES

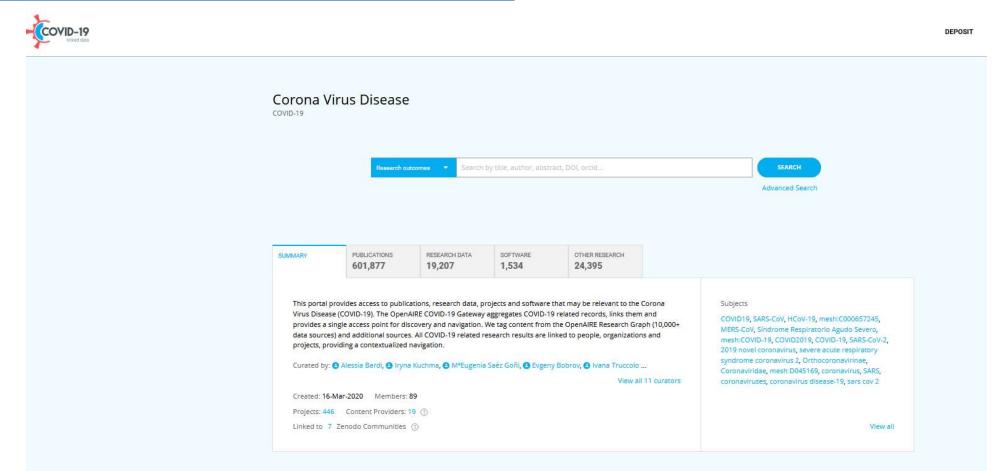


ABOUT RESOURCES SUPPORT



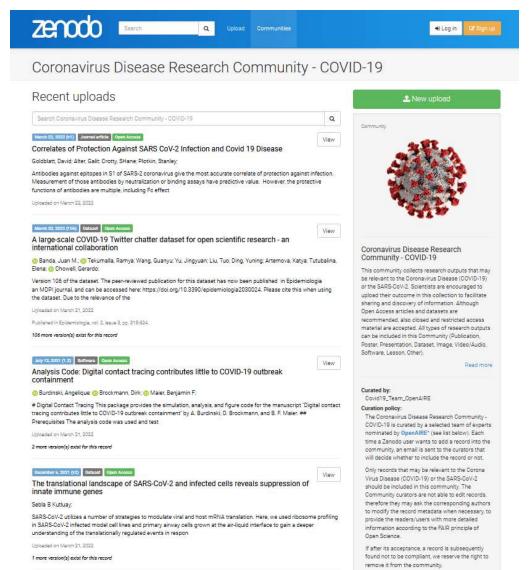


COVID-19 OPEN RESEARCH GATEWAY

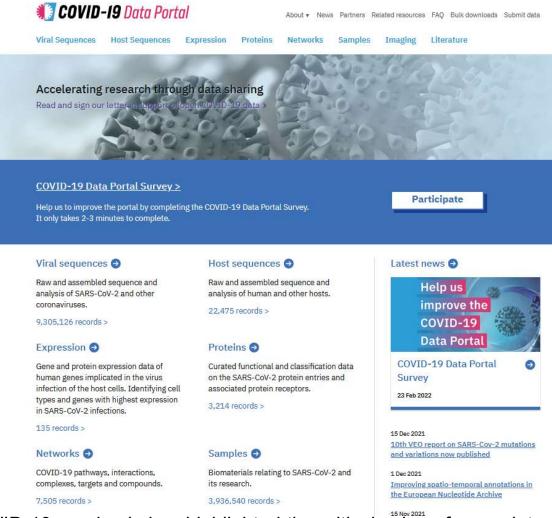




ZENODO









The COVID-19 pandemic has highlighted the critical value of open data and open science and international collaborations to progress scientific discovery when time is of the utmost importance. https://www.covid19dataportal.org/support-data-sharing-covid19

PREPARE FOR THE FUTURE: HORIZON EUROPE

Public emergency => all research results open with a non exclusive licence

See AGA – Annotated Model Grant Agreement p140

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-

2027/common/guidance/aga_en.pdf



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