

GENETIC TOOLS AND CITIZEN SCIENCE FOR SARS-COV2 DETECTION IN ENVIRONMENTAL SAMPLES: FOMITES AND WATER

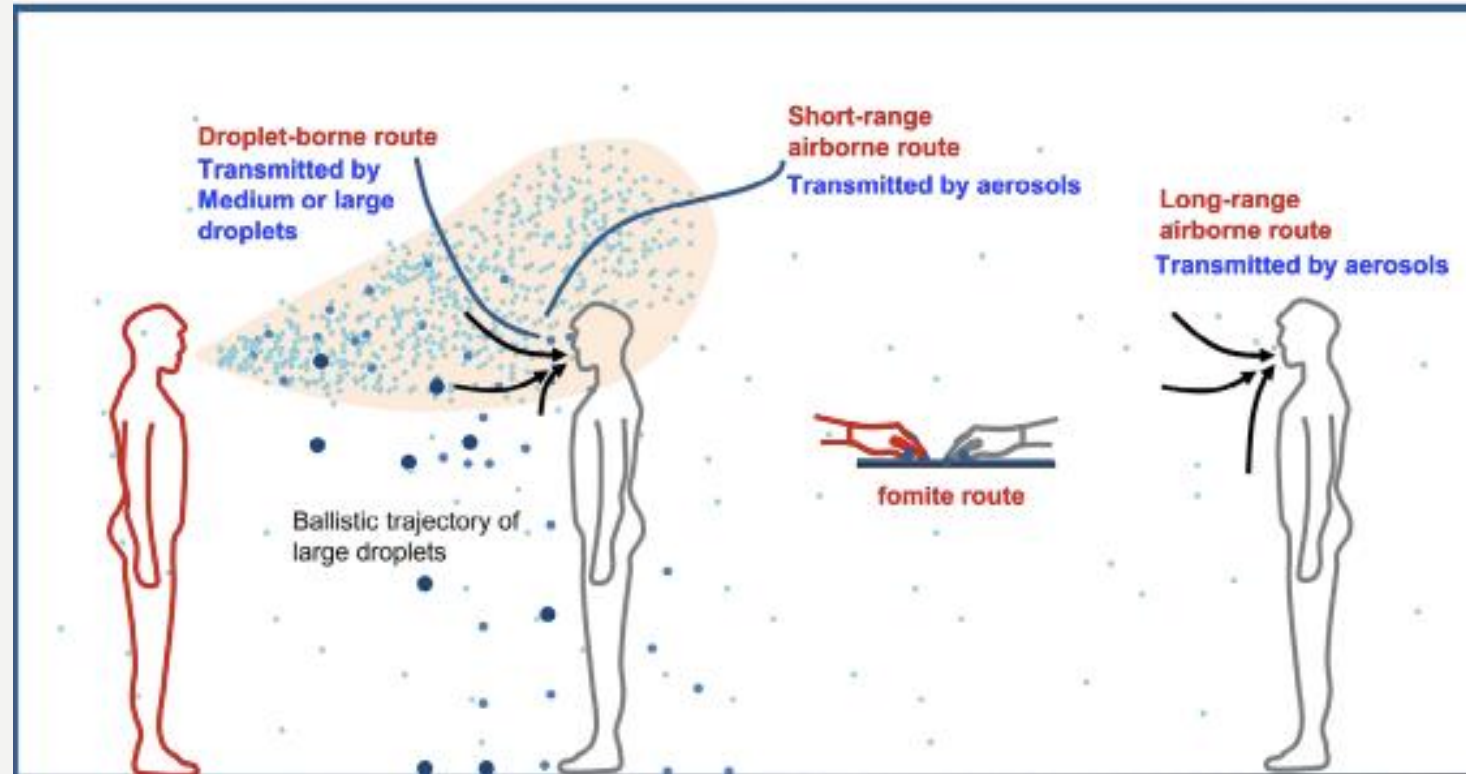
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EVA GARCÍA VÁZQUEZ AND EDUARDO DOPICO



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Universidá d'Uviéu
University of Oviedo

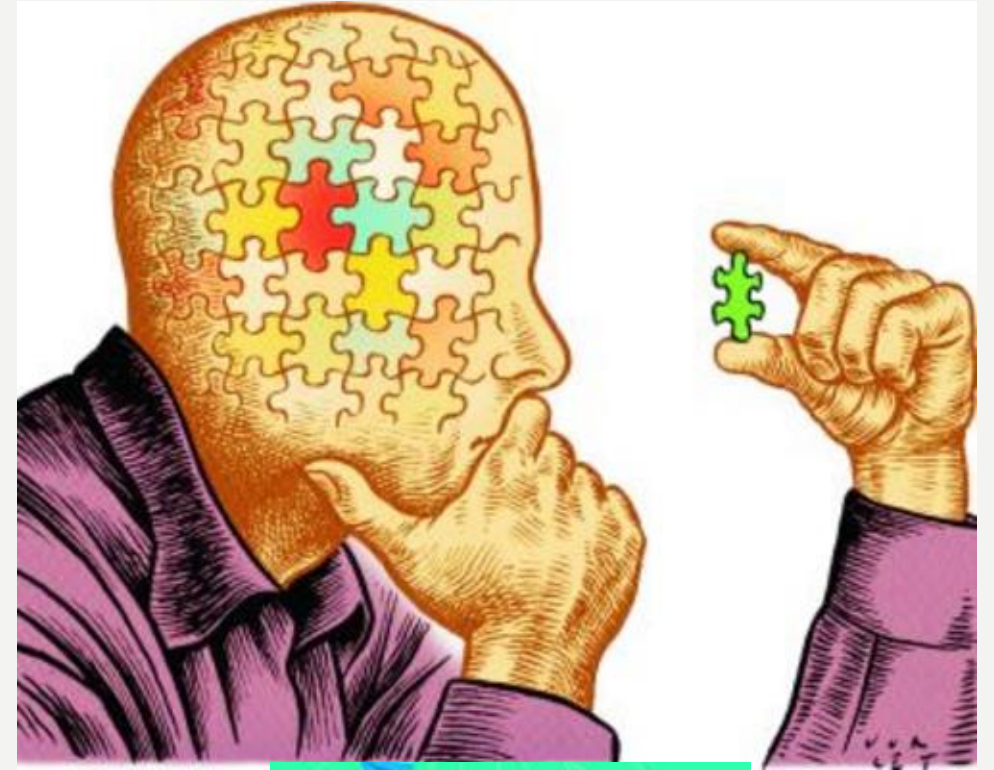


SARS-COV-2 TRANSMISSION: DIRECT CONTACT AND FOMITES

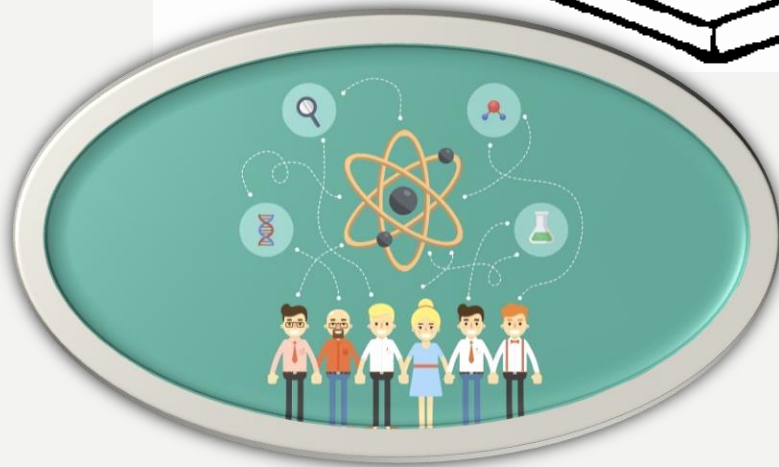


Wei and Li, 2020. <https://doi.org/10.1016/j.ajic.2016.06.003>

EXCESS DATA: UNDERSTANDABLE?



CITIZENS AS RESEARCHERS → CRITICAL THINKING



CITIZENS AS RESEARCHERS → CO-CREATING KNOWLEDGE



OPEN CALL FOR VOLUNTEERS



OPEN MOBILE APPLICATION FOR OPEN SCIENCE



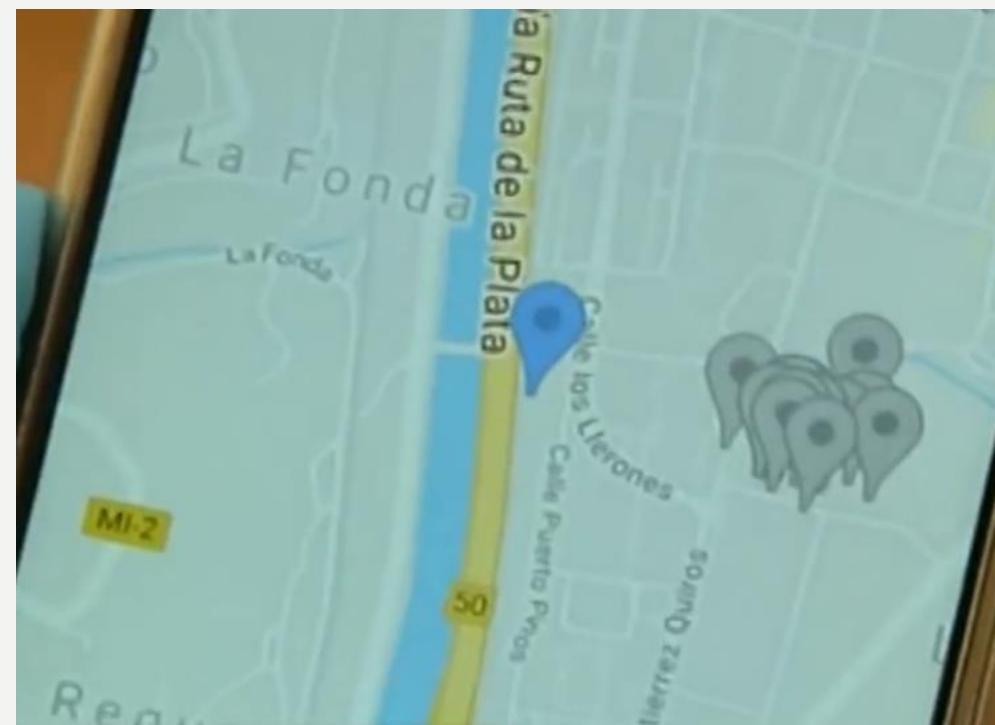
Made with
 unity

Instrucciones

Tomar muestra

Laboratorios

Mapa





CITIZENS AS RESEARCHERS

- **1: Formation**
- **2: Preparing the sampling**

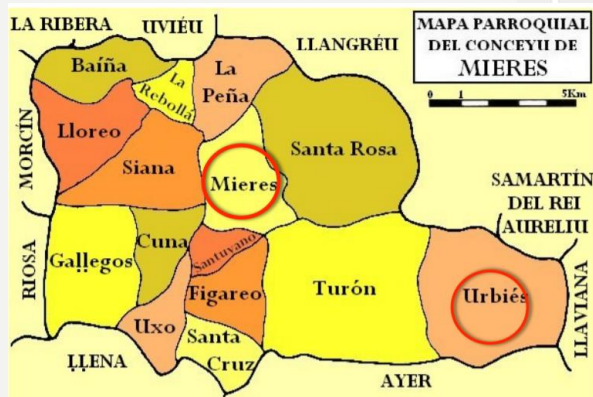


CITIZENS AS RESEARCHERS

3: Sampling

4: Traceability

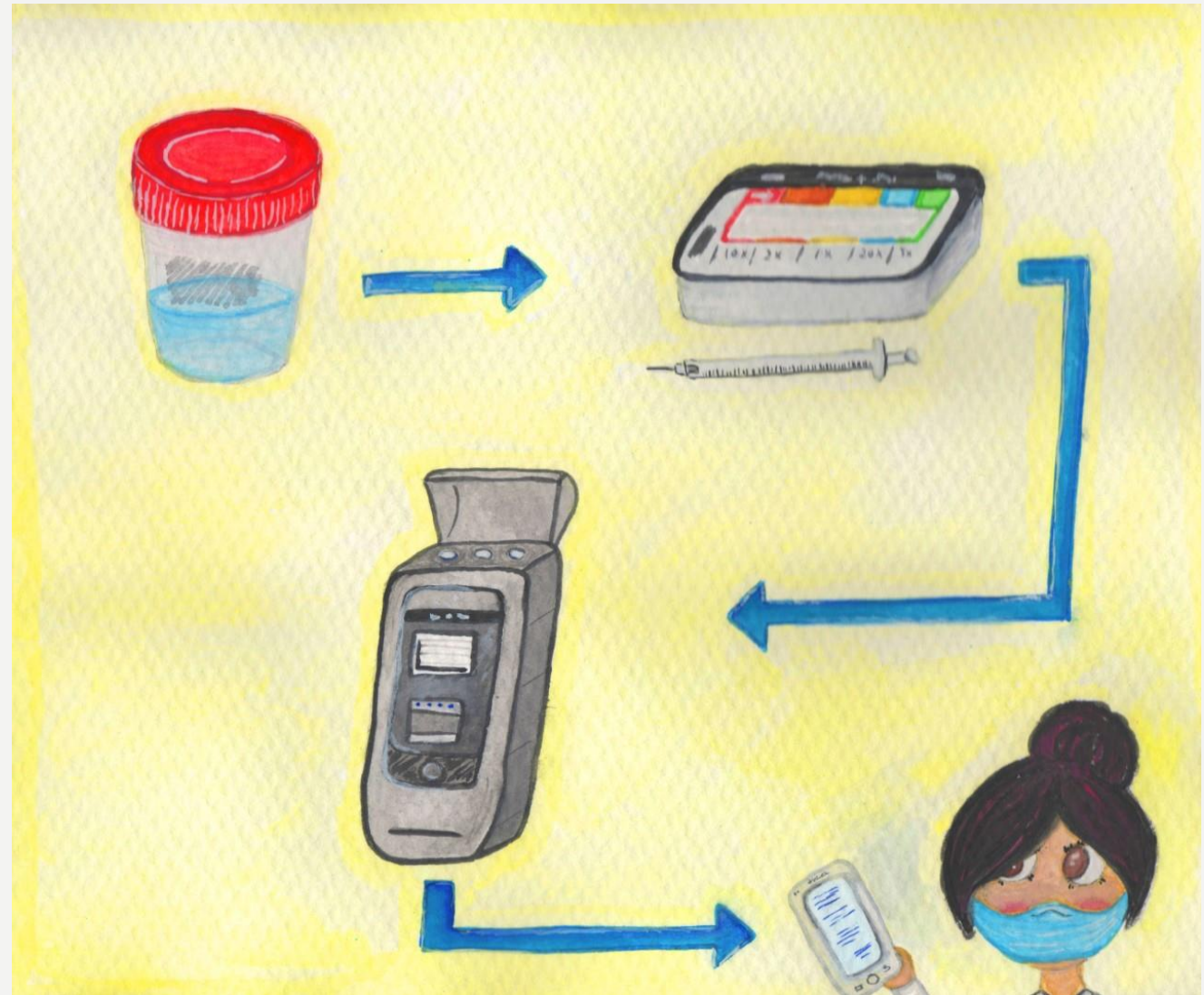
5: RNA fixing



CITIZENS AS RESEARCHERS

6: RNA extraction

7: PCR



CITIZENS AS RESEARCHERS

8: Analysis of the results

9: Introducing the result into the app

10: Divulgence



FAIL TO PREPARE = PREPARE TO FAIL



SAMPLING, TRACEABILITY AND RNA FIXING



SAMPLING, TRACEABILITY AND RNA FIXING



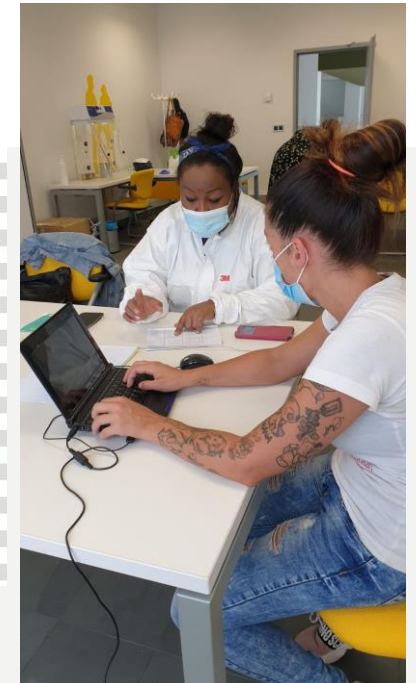
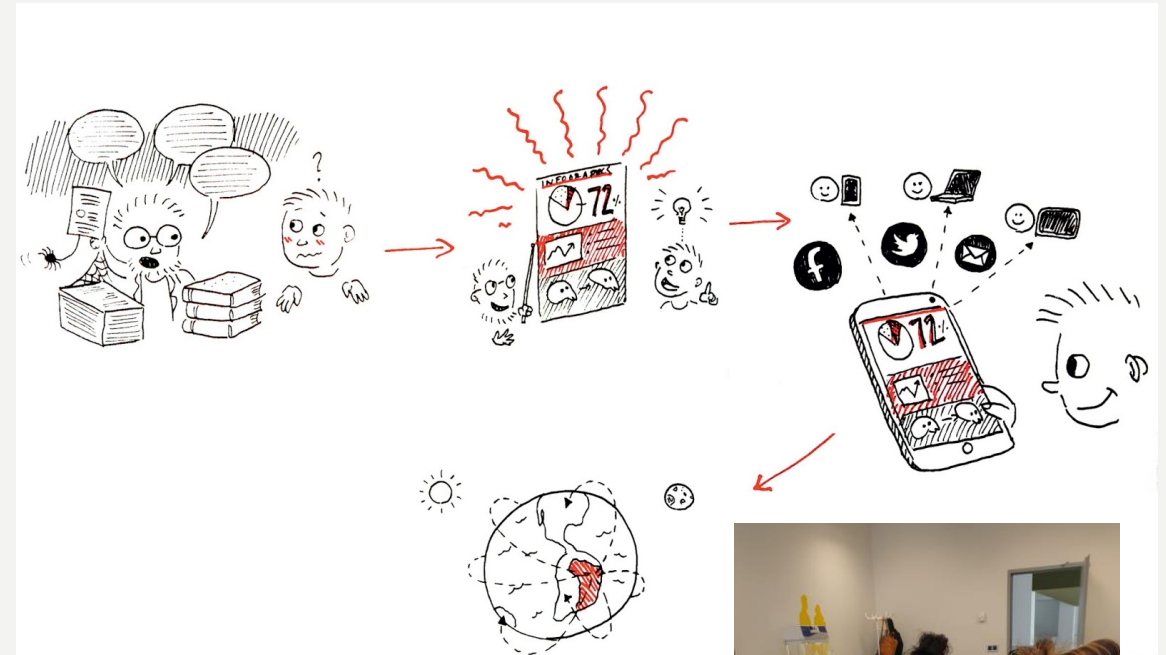
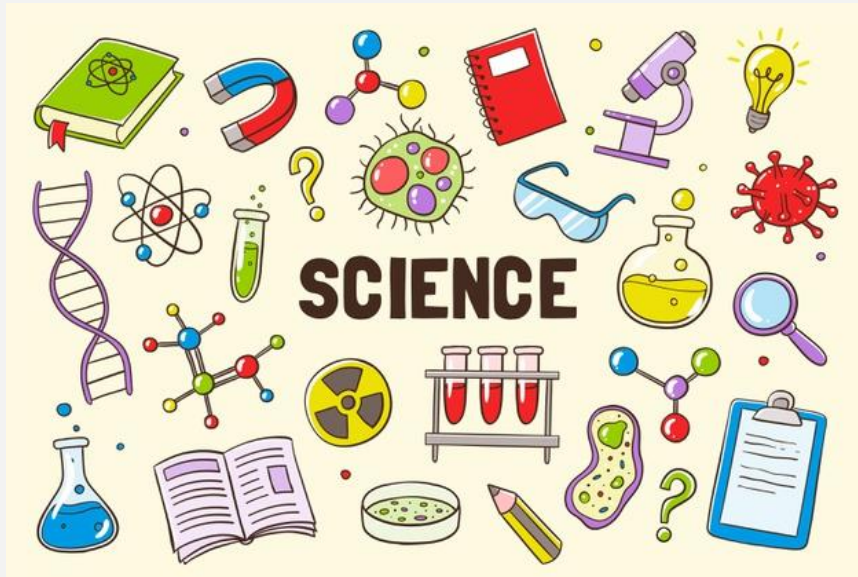
SAMPLING, TRACEABILITY AND RNA FIXING



LAB WORK



DIVULGATION





CITIZEN SCIENCE

I think a power to do something is of value.

Whether the result is a good thing or a bad thing depends on how it is used, but the power is a value.

~ Richard Feynman

