

Whom do we want to address  
With our data?

WILL SOMEONE EVER ACCESS TO  
OUR DATA?

→ To theoreticians

x other researchers from same/neighbouring field(s)

x general public for education

x interdisciplinary researchers

x early career scientist

x Future Historian

x The researchers that succeed us.

Where would open science / data bring you forward?

speed of development?

get some orientation from other researchers  
more data?

improve learning from other disciplines.

more collaboration opportunity

Reusing existing work in different subjects

A big community that can validate my data.

New ways to solve problems & new problems to be solved.

improved feedback loop, possibly better simulation / theory

What Should/could be the involvement of citizen Science?

• It could be a powerful tool if we could connect and a way to bridge the scientific community with the general public.

\* free competing power for us

= Science benefits the people in general. Non-scientists should be able to propose questions/experiments/projects to be worked on by scientists and the results shared back to the whole community.

o publicly funded research should be a public service (education, as above).

# What is MY benefit from Publishing data?

- x Free load-testing of my servers
- x Getting citation for my work
- x My work becomes more transparent. + RELIABLE
- x Giving to a community from which I could take something else (exchange)
- x Not my benefit, but there will be scientific benefit. There will be other aspect to address / can be addressed using that data.
- x easier to get acknowledged because easier to get cross-check by others in the community.
- THEY WON'T LET YOU PUBLISH IN HIGH TIER JOURNALS IF YOU DON'T.
- You are happy that you left your handprint in this world.

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Who gets credit, if open data

are published and reused?

- + the <sup>Creators/</sup> Publishers, Archivists and the data creators
- + Collaborators
- + Proper Policies
- + History / instrument, data curators, archive maintainers
- + Funding agencies
- + Everyone involved in the process of collecting and preserving the data.
- + Everyone involved in data acquisition and process.

Who is responsible, if there is

a bug in the open data?

x nobody: it's CC0 license <sup>\* the license is about use</sup> not about publication

x everybody involved in the data curation and publication:  
should knowledge = should responsibility

x for large data sets some organised management is  
required (i.e. data scientist & bug catchers)

x 'The primary author'

x Data curator.

\* improve the culture of 'error handling' in general  
for science

\* Everyone that saw that code and didn't correct it.

When Data should be deleted ?

- Full of Bugs or ~~not~~ results are not reproducible with literature /  
readme
- WHEN IT OVERLAPS WITH MORE RECENT SIMILAR DATA
- Data known to be faulty / badly collected.  
x never

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↓

+ If recent data is more reliable. Consider the example of LHC run. In future, there will be data with good statistics which may be reliable tool so old data can be deleted after 2050. Keep / save some part of old data which lead to High Energy discovery for historic purpose.



How can we ensure ~~the~~ sustainability  
of open access publishing?

- \* get rid of it. inhibit a market oriented process based on digital tools and methods.
- \* make it non-profit and non-private
- \* giving the proper credits to the people involved
- \* ensure access protocols for the collaboration & interdisciplinary persons interested in sharing the know-how
- \* ensure man power behind
- \* create open reviews journal.