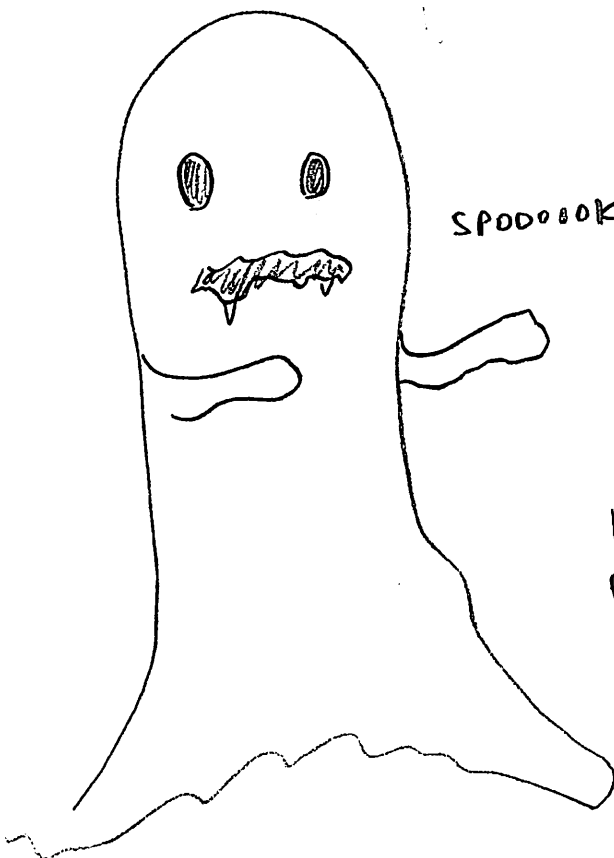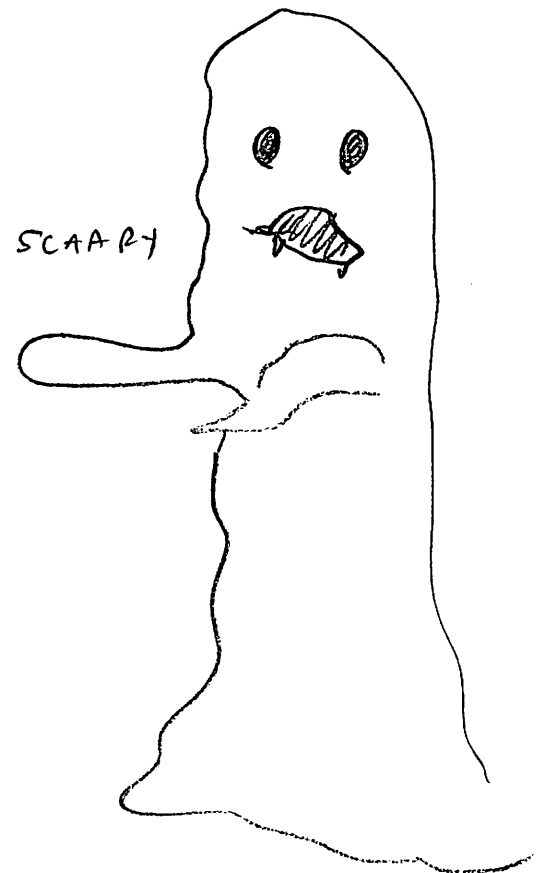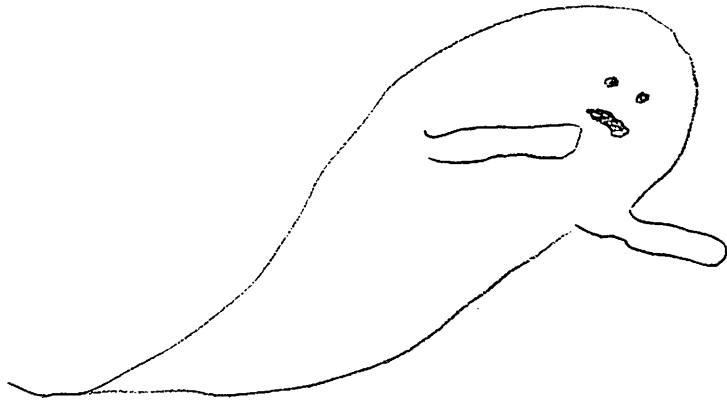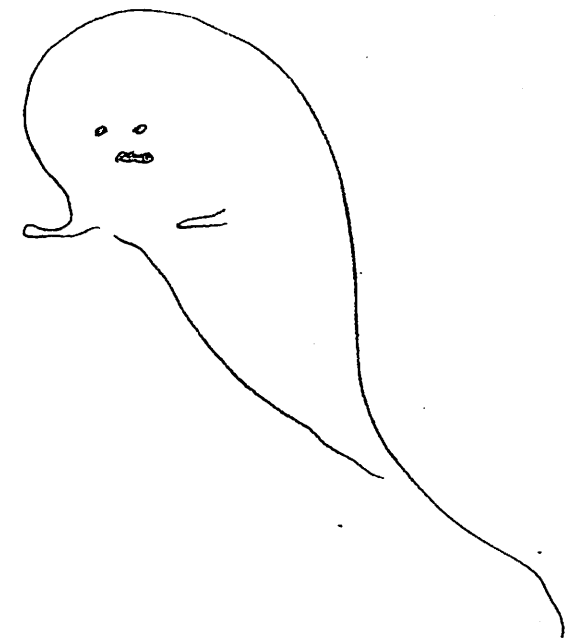# OPEN DATA

an official Zine

SPODOOOKY

SCAARY

by VANESSA RAYMOND
for IARC SALON
November 11, 2017

OPEN DATA

is a

STATE of MIND

- START EARLY

- BUILT IN TO EVERY STEP
  of the project

- A KEY DELIVERABLE

- REQUIRES ADEQUATE LICENSING
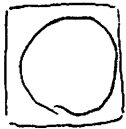 TO PROTECT KEY PARTIES

- REQUIRES DEDICATED
  THOUGHT ⊕ FOCUS

- AFFECTS MULTIPLE
  ASPECTS of WORK
  including:

  - softwares used

  - file formats

  - collaborative agreements

  - archive + data catalog selection

- SHIFTS PROJECT
  FUNDS from
  expensive software
  to sustaining accessibility

HOW CAN OTHERS ACCESS THE DATA?
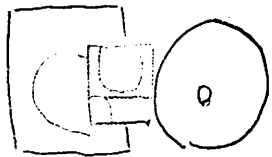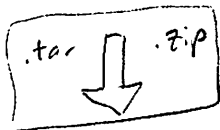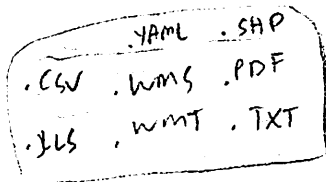
is the data ... ?

hard drive

USB

DISK

DOWNLOAD

.YAML .SHP .CSV .WMS .PDF .JLS .WMT .TXT
WEB ACCESSIBLE, INTEROPERABLE FILE FORMAT

code/ algorithm

database

- COMPLETE
- IDENTIFING ALL COLLABORATORS
- DESCRIBES LOCATION, UNITS of MEASURE, TIMEFRAME, FUNDING   ] well documented
- LINKED TO PUBLISHED OUTCOMES
- TAGGED to be findable
- ONLINE, or at least findable online
- FREE
- APPROVED FOR SHARING BY COMMUNITY

cool research
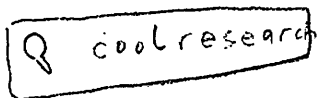
- SEARCHABLE
- FINDABLE
- TAGGED
- METADATA-licious

- USER FRIENDLY
- MAINTAINED
- REUABLE
- INTEROPERABLE

- CAN BE REPLICATED / REPRODUCED

- LONG TERM ARCHIVE
- STABLE URL
- SUSTAINED FUNDING

ASK YOURSELF

who could be harmed by this data being made open?

how can I protect vulnerable affected groups?

who could benefit from open access to this data?

If safe, how could your data be MORE open?

who could feasibly access and use this data?

what resources would they need to do so?

how can I simplify access to this data?

FREE

ONLINE ——————————————— INACCESSIBLE

COSTLY

TRY this
exercise with:

- RELIABLE / UNRELIABLE
- FINDABLE / UNFINDABLE
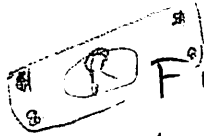- INTEROPERABLE / PROPRIETARY
- REPRODUCABLE / INCONSISTENT

CHALLENGES
to OPEN DATA and OPEN SCIENCE

ACADEMIC STRUCTURES
↳ authorship ↳ "publish or perish"
↳ tenure pressures ↳ competing for funds

FUNDING MECHANISMS
↳ project cycle ↳ technical knowhow
↳ historic use of a system or software
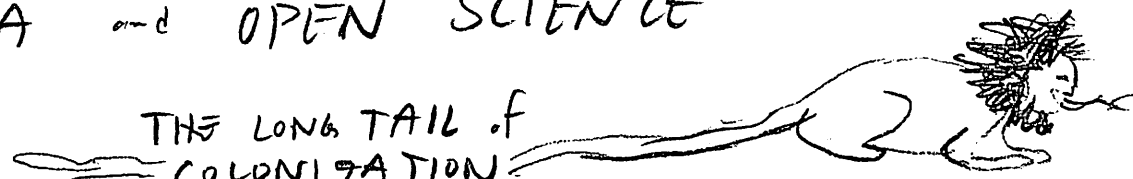↳ convincing funders

THE LONG TAIL of COLONIZATION
↳ self-protective communities
↳ vulnerable populations
↳ privacy concerns, protection of minors

CULTURE + NORMS
↳ convincing project partners
↳ dedicating the time + labor

TECH SAVVY + KNOW HOW
↳ access to research programmers
↳ patience to learn new things
↳ hackatons or other support

Some Tools

for sharing data

QGIS

GITHUB

CKAN

PYDATA.org

JUPYTER
notebooks

DOCKER

OPEN STREET
MAPS

OPEN
AERIAL

OPEN
DRONEMAP

OPEN
STREETCAM

AWS