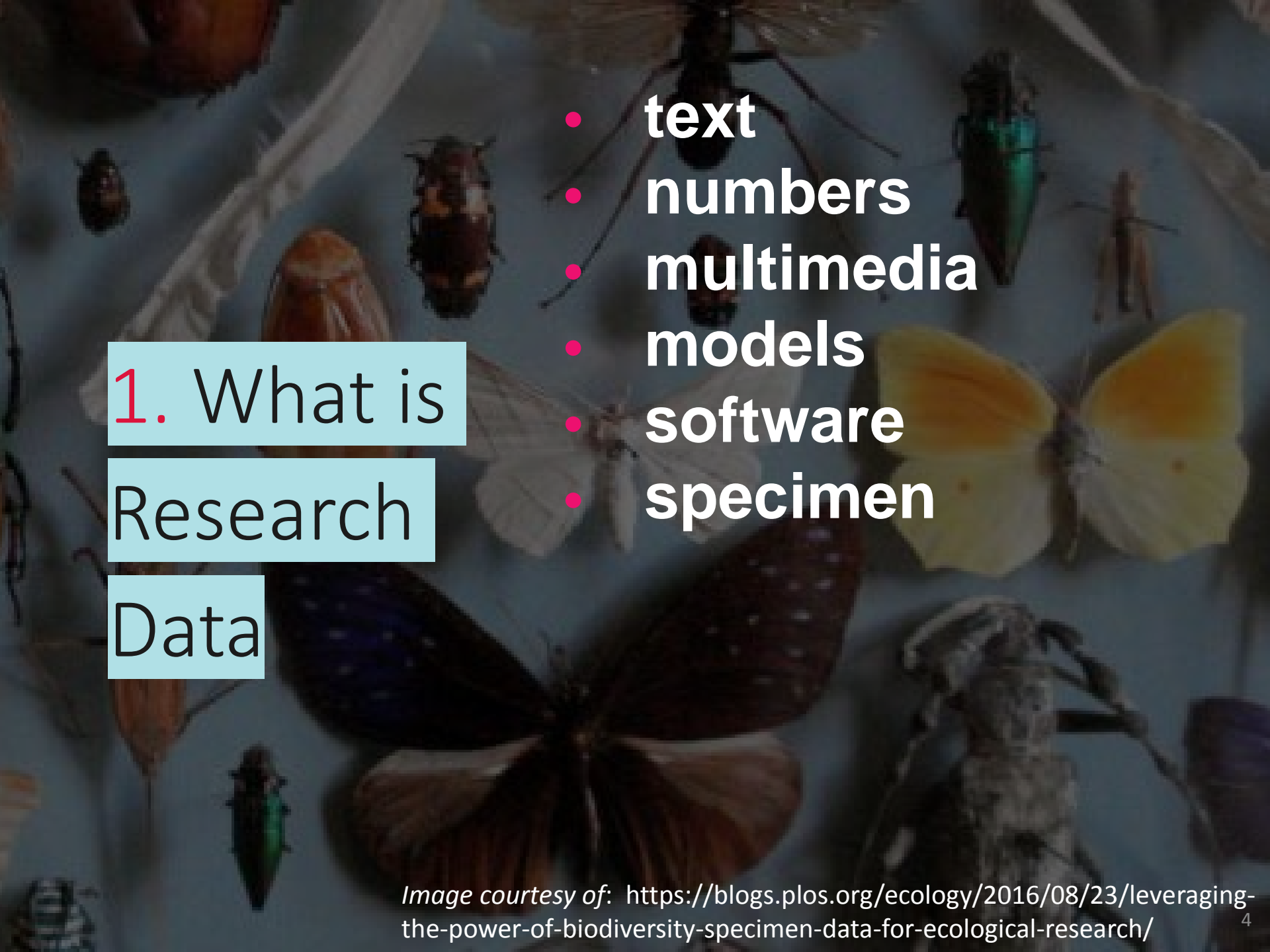


Research  
Data  
Management  
@HKU

1. What is

Research

Data



1. What is  
Research  
Data

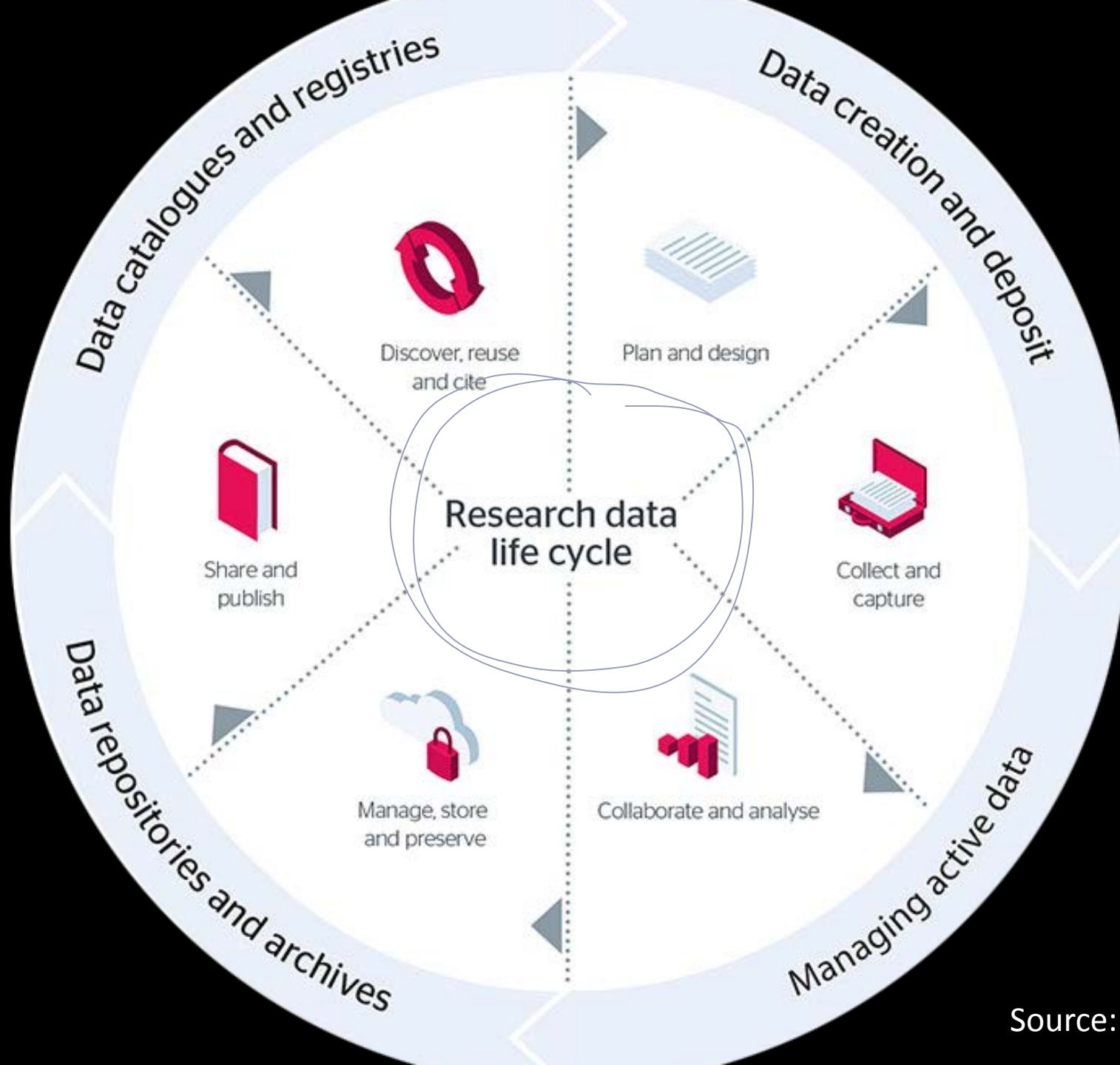
- **text**
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- **specimen**

2. What is

Research Data

Management

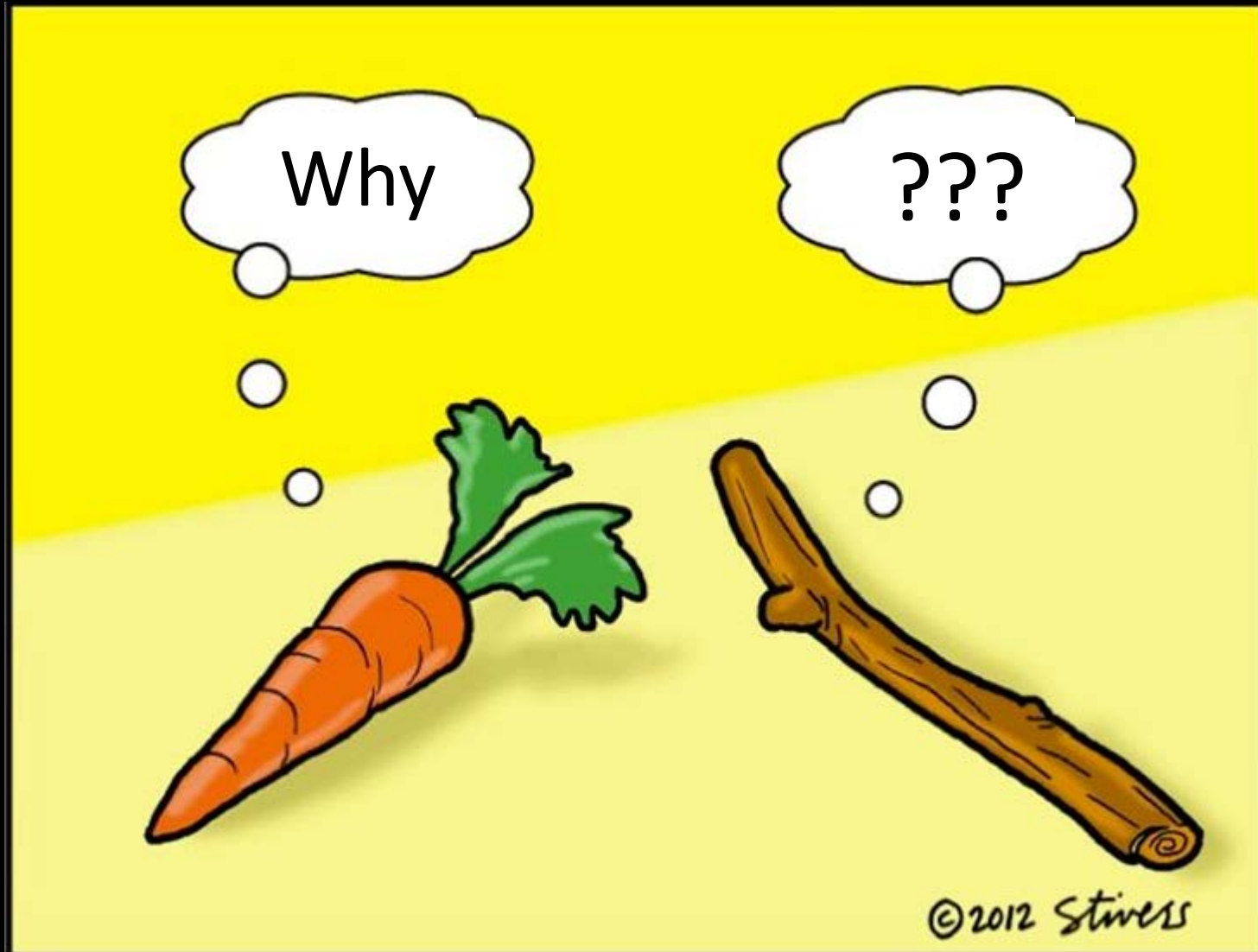
how you organize, structure, store, and care for the information used or generated during a research project.



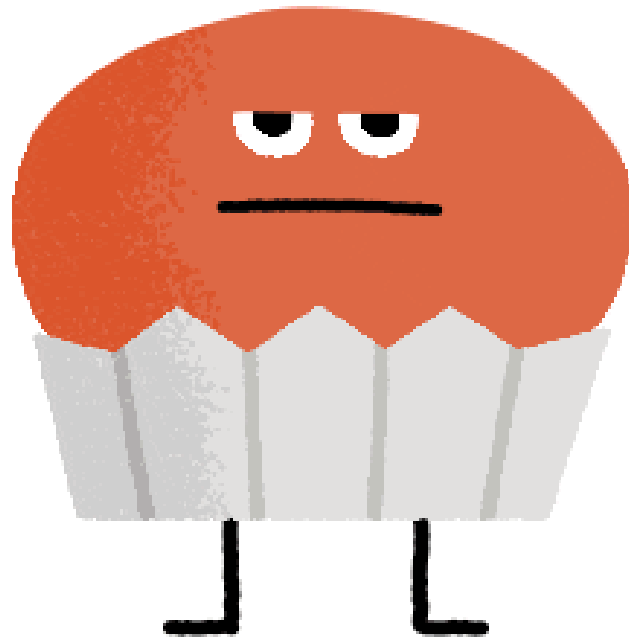
### 3. Why

Research Data

Management



# HKU has a policy



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# Research Services

Support and information for HKU researchers



[Home](#) > [Research Integrity](#) > [Research Data and Records Management](#)

## Research Data and Records Management

The management of research data and records refers to ways in which recorded information (in whatever form or medium) from research is organised, stored, maintained and accessed both during the lifespan of the research and in the long term. Effective research data and records management supports both high quality research and academic integrity.

HKU recognises the importance of good practice in research data and records management and seeks to promote the highest standards. The University's *Policy on the Management of Research Data and Records* was approved by the Senate at its meeting on May 5, 2015, along with the establishment of a [Task Force on Management of Research Data and Records](#) to oversee the planning of the implementation of the Policy.

### [Policy on the Management of Research Data and Records](#)

1. The University of Hong Kong seeks to promote the highest standards in the management of research data and records (1) as fundamental to both high quality research and academic integrity, and acknowledges its obligations under research funders' data-related policy statements and codes of practice, where available (2), to ensure that sound systems are in place to promote best practice, including through clear policy, guidance, supervision, training and support.
2. The University recognises that accurate and retrievable research data are an essential component of any research project and necessary to verify and defend, when required, the process and outcomes of research. Research data are



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# Policy on the management of research data and records

To meet the need to

- **Replicate claimed research results**  
when called upon to do so
- Ensure **ethical** data collection, storage, and if  
chosen, re-sharing of data

# Policy on the management of research data and records

“Research data and records should be retained for as long as they are of continuing value to the researcher and the wider research community, and as long as specified by research funder, patent law, legislative and other regulatory requirements. **The minimum retention period for research data and records is three years after publication or public release of the work of the research.**”

# 4. Guidelines and Procedures

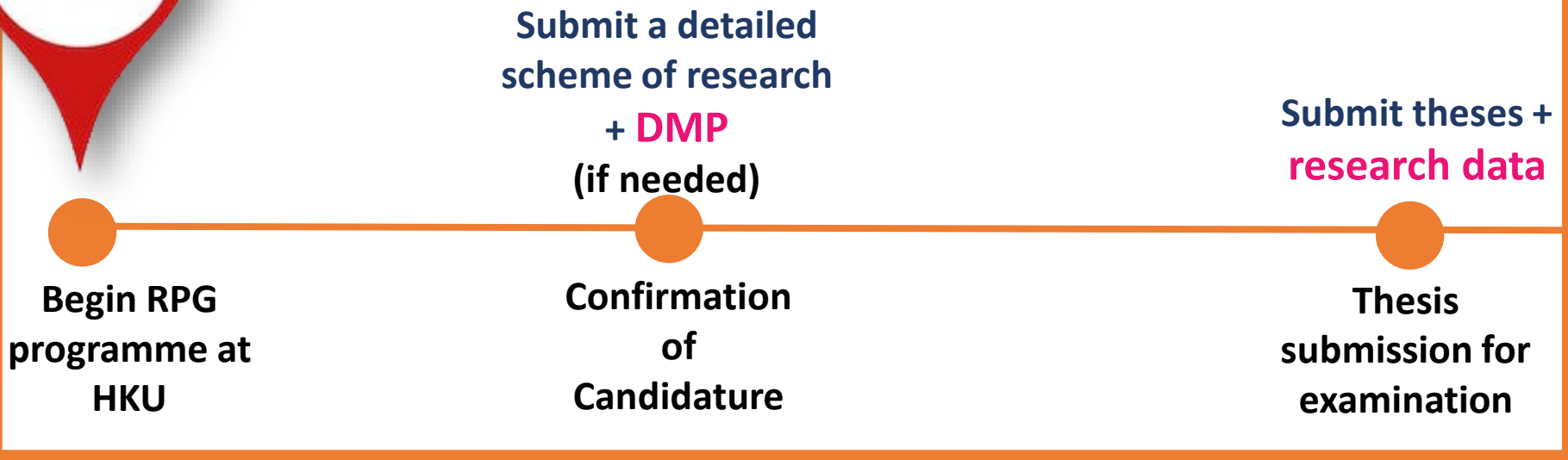
Beginning with the September 2017 intake, all **HKU research postgraduate (RPG) students** have responsibility for

1. using a **data management plan (DMP)**, where applicable, to describe the use of data in preparation for, or in the generation of their theses, and
2. depositing, where applicable, a **dataset** in the HKU Scholars Hub.

"RPG" includes the degrees of **MPhil, PhD, and SJD**.

# 4. Guidelines and Procedures

**YOU  
ARE HERE**



"RPg" includes the degrees of **MPhil**, **PhD**, and **SJD**.

Doctor of  
Legal Science

A document in which you describe:

5. Data

Management

Plan

**what** data you will collect during your research project,

**how** you are going to store and manage the data during the project,

And **what will happen** to the data after the project is finished.

G \_ \_ g l e

hku research data



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## Research Data and Records Management

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## WHAT IS RESEARCH DATA MANAGEMENT?

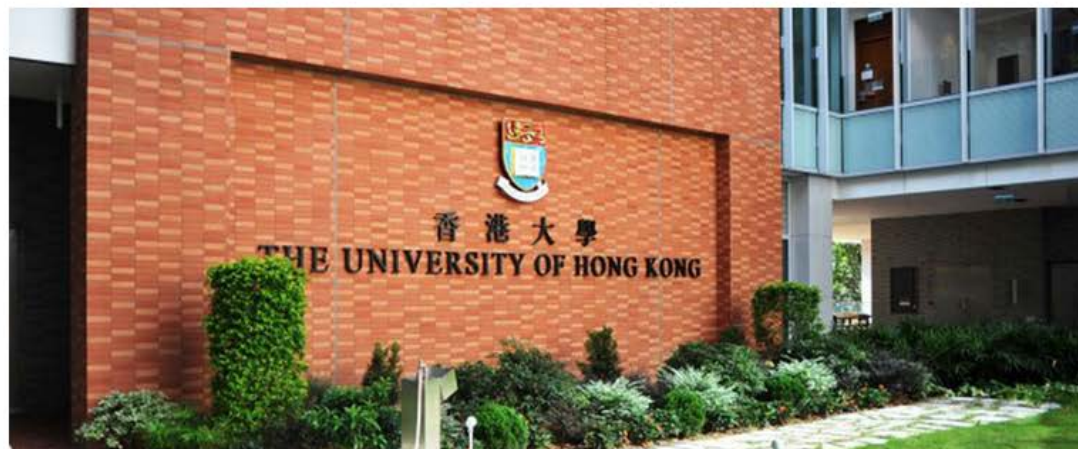
RDM



RDM FOR RESEARCH POSTGRADUATE (RPG) STUDENTS



RDM FOR RPG SUPERVISORS



HKU now requires Research Data Management (RDM). RDM is a general term covering how you organize, structure, store, and care for the information used or generated during a research project. The benefits of RDM, and the number now of funders, journals, and institutions requiring RDM are many and growing.

CONTINUE READING



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## RESEARCH POST GRADUATE (RPG) STUDENTS -- INSTRUCTIONS FOR DATA

RPG STUDENTS



RDM FOR RESEARCH POSTGRADUATE (RPG) STUDENTS - INSTRUCTIONS FOR DATA

LOGIN RPG INPUT FORM

HOW TO SUBMIT FORM

RDM PLANNING

DATA MANAGEMENT PLAN (DMP)

DMPTOOL

E-THESIS AND DATASET SUBMISSION



Beginning with the September 2017 intake, all HKU Research Postgraduate (RPG) students have

<https://hub.hku.hk/researchdata/rpg.htm>



THE UNIVERSITY OF HONG KONG

Handbook for  
**MPhil & PhD Programmes**  
2018-19

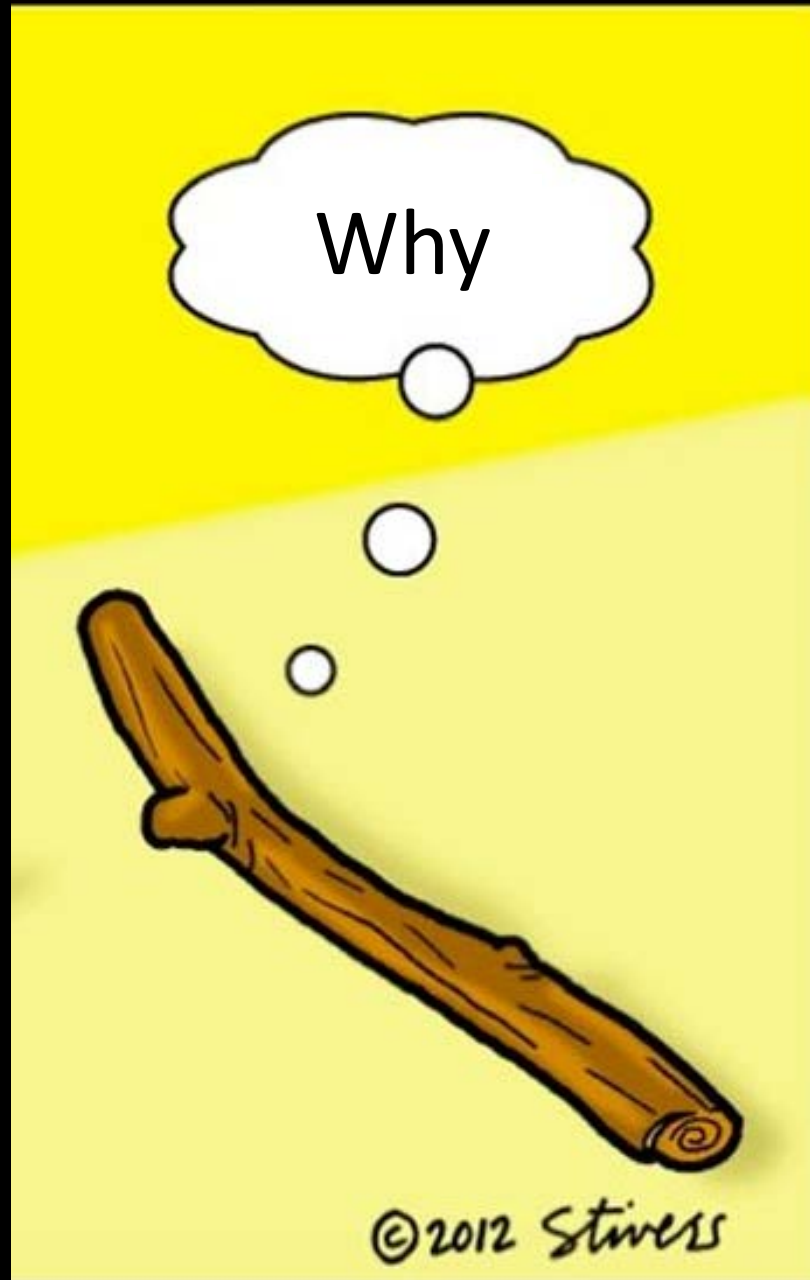


Image courtesy of: <https://wvncasc.com/2017/09/18/need-a-carrot-try-some-popcorn/>

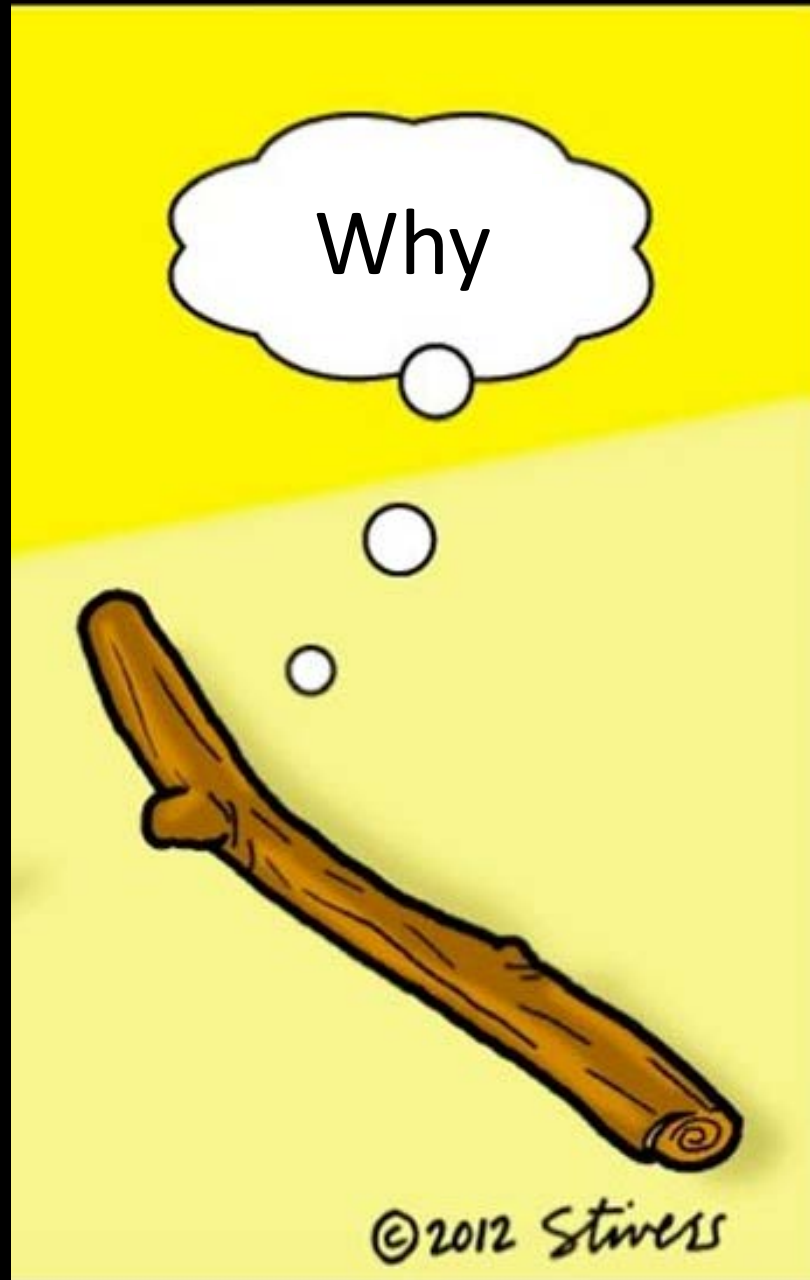
The Hong Kong  
Research Grants  
Council (RGC)

General Research Fund (GRF) Explanatory Notes for  
2016/17 applications

"PI should assess data archive potential and opportunities for data sharing. **Due additional weight** will be given to an application where the applicants are willing to **make research data available to others.**"

<http://www.ugc.edu.hk/doc/eng/rgc/form/GRF2.pdf>





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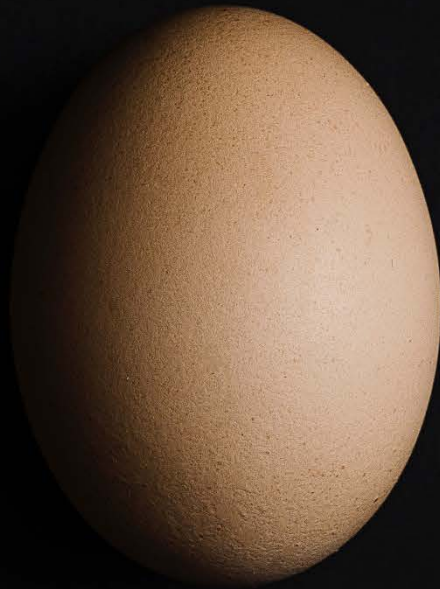
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Hmm...  
Sure. Help yourself.

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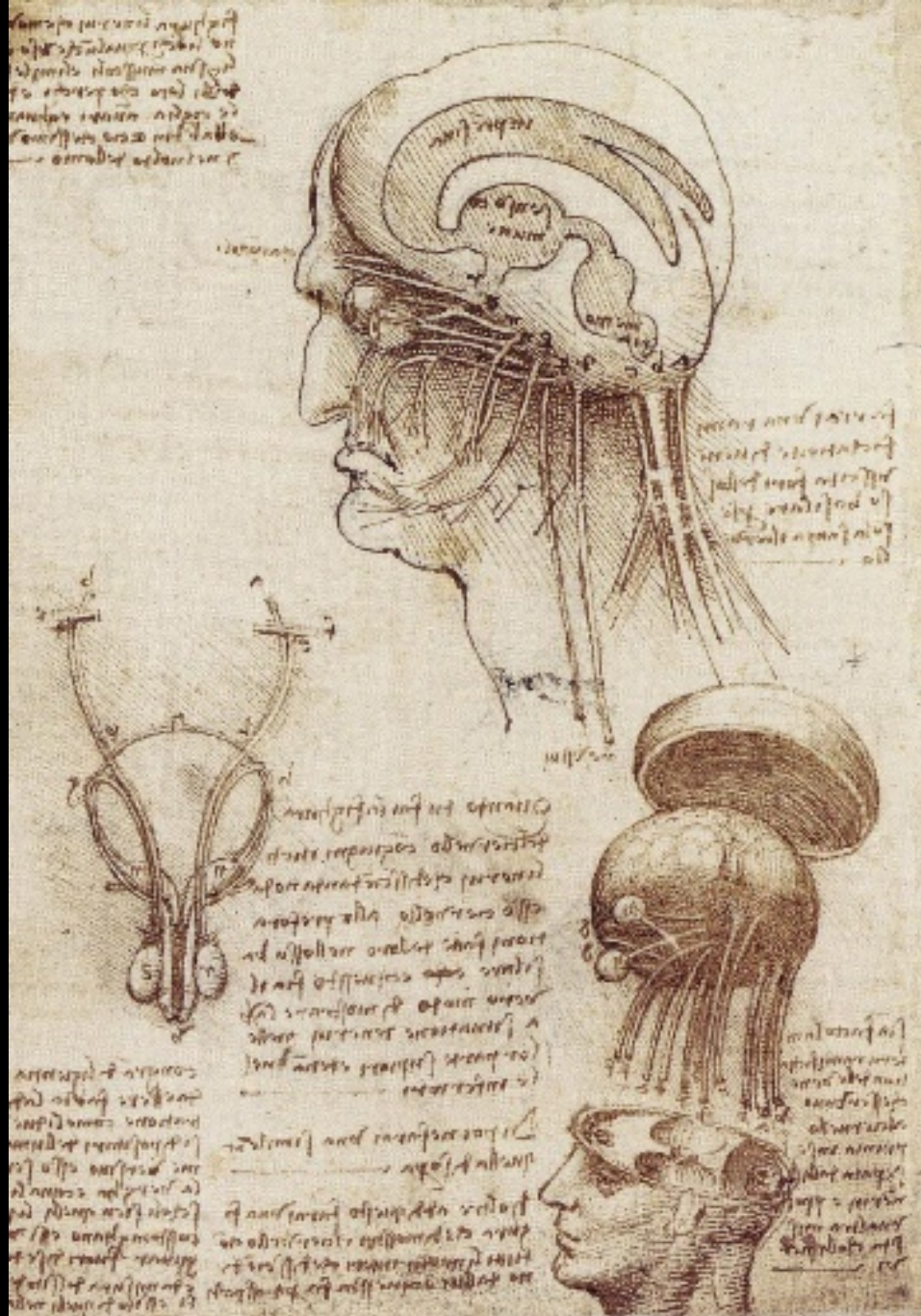


Research

Data is

fragile





Leonardo's sketches and drawings: Study of Brain Physiology, c. 1508



Research

Data is

fragile



Research  
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fragile



PEACE OF MIND?\*

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a Recent survey by



*The* HARRIS INTERACTIVE INDICATES THAT THE MAJORITY OF PEOPLE VALUE THEIR DIGITAL CONTENT BUT ARE STILL NOT BACKING IT UP REGULARLY

## 54%

OF ADULTS PERSONALLY HAVE AND/OR KNOW SOMEONE WHO HAS *Lost!* FILES

## Most VALUED DIGITAL ASSETS



USE USB FLASH OR THUMB DRIVES



*Backup Frequency*

10% CONTINUOUS  
30% DAILY 30% WEEKLY  
30% MONTHLY 25% NEVER!



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authentic

reliable

organized

available  
when  
needed

secure  
and safe





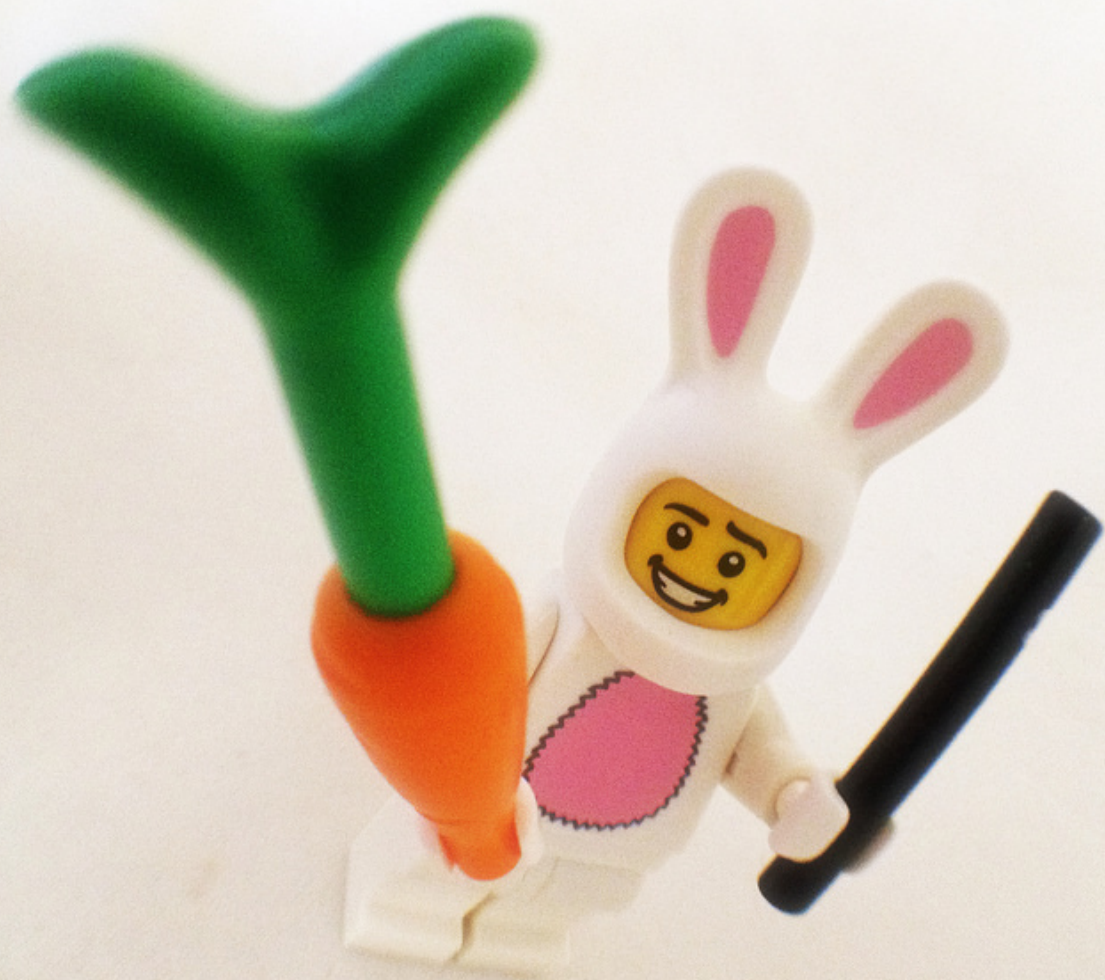


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# Science On a Sphere®

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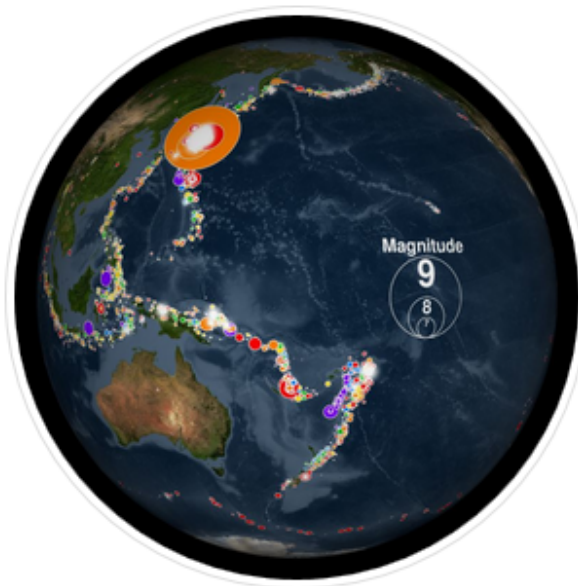


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## Earthquakes - 2001-2015



### Description

This animation shows every recorded earthquake in sequence as they occurred from January 1, 2001, through December 31, 2015, at a rate of 30 days per second. The earthquake hypocenters first appear as flashes then remain as colored circles before shrinking with time so as not to obscure subsequent earthquakes. The size of the circle represents the earthquake magnitude while the color represents its depth within the earth. At the end of the animation it will first show all quakes in this 15-year period. Next, it will show only those earthquakes greater than magnitude 6.5, the smallest earthquake size known to make a tsunami. Finally it will only show those earthquakes with magnitudes of magnitude 8.0 or larger, the "great" earthquakes most likely to pose a tsunami

threat when they occur under the ocean or near a coastline and when they are shallow within the earth (less than 100 km or 60 mi. deep).

### Builder 0



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Land: Plate Tectonics

<https://sos.noaa.gov/datasets/earthquakes-2001-2015/>





## Sharing data during Zika and other global health emergencies

10 FEB, 2016

by Hannah Isom

tags: [Data sharing](#), [El Zika](#), [emerging infectious diseases](#), [español](#), [Global health](#), [Open](#)

[Access](#), [Open data](#), [Research](#), [Viruses](#), [zika](#)



*Aedes mosquito. Credit: Wellcome Images*

We're joining over 30 global health bodies in calling for all research data gathered during the Zika virus outbreak, and future public health emergencies, to be made available as rapidly and openly as possible. It follows a [consensus statement](#) arising from a WHO consultation in September 2015, in which leading international stakeholders affirmed that timely and transparent pre-publication sharing of data and results during public health emergencies must become the global norm. The statement is published in full below:

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[Declan Butler](#)

23 February 2016

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ICPSR  
@ICPSR

Following

ICYMI, Google just released its new Dataset Search feature, with a nod to ICPSR ( [bit.ly/2oJVZm2](https://bit.ly/2oJVZm2) )! See our news release for more details: [bit.ly/2wONeeQ](https://bit.ly/2wONeeQ) @umich @umisr @DDIAlliance @Google #GoTeam #Data #Research



10:35 AM - 6 Sep 2018



nature  
International journal of science

NEWS • 05 SEPTEMBER 2018

## Google unveils search engine for open data

*The tool, called Google Dataset Search, should help researchers to find the data they need more easily.*



Editorial | [OPEN](#) | Published: 19 July 2018

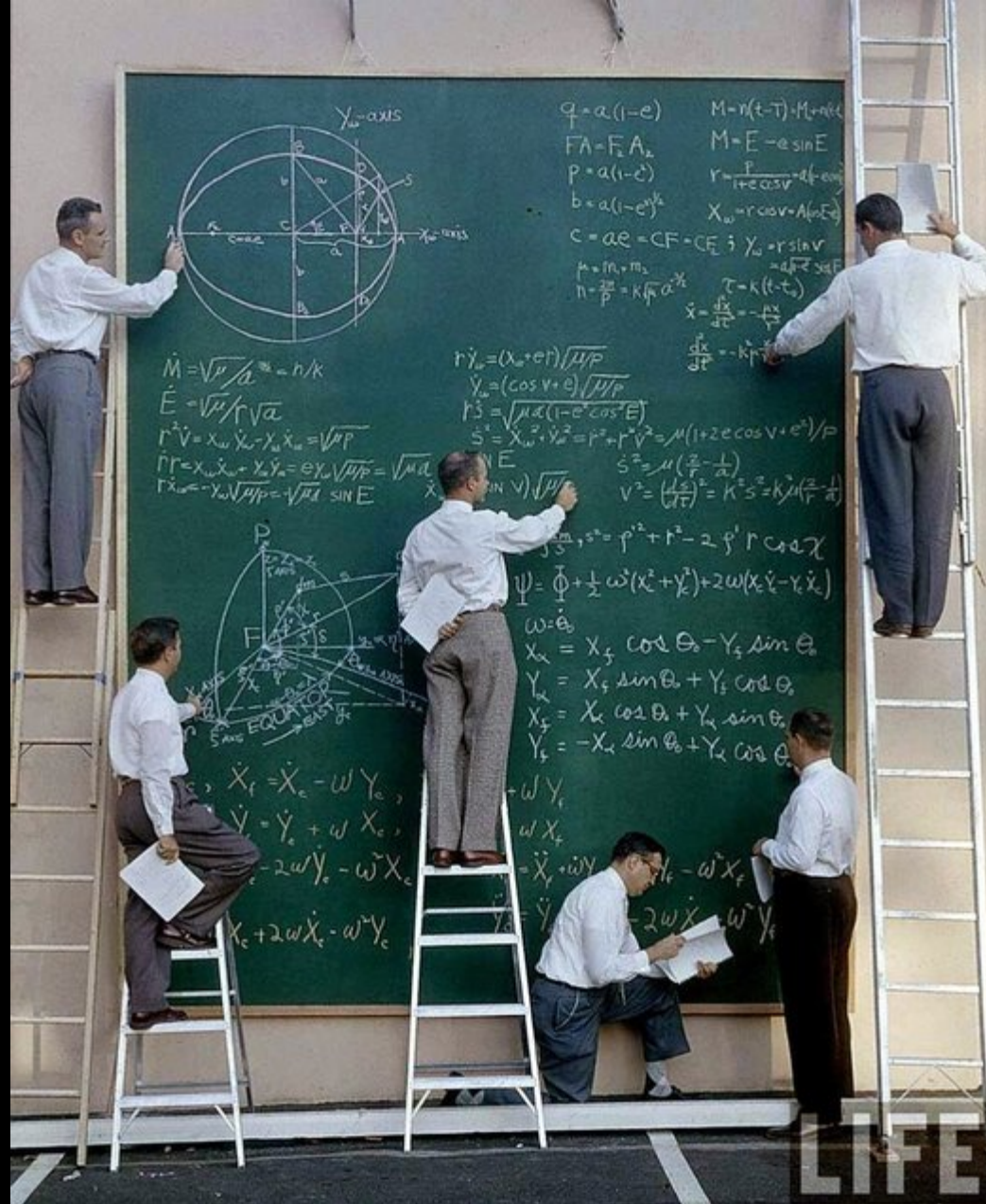
# Data sharing and the future of science

*Nature Communications* 9, Article number: 2817 (2018) | [Download Citation](#) ↓

**Who benefits from sharing data? The scientists of future do, as data sharing today enables new science tomorrow. Far from being mere rehashes of old datasets, evidence shows that studies based on analyses of previously published data can achieve just as much impact as original projects.**

Data sharing has a long history in many areas of research. Although the push to encourage social and biological scientists to share and pool their results is a recent one<sup>1</sup>, in other fields the use of shared data has been the norm for some time. For over a century, much of economics and meteorology have been based on publicly shared data, for example.





© J. R. Eyerman, LIFE magazine



*Image courtesy of: <https://www.pinterest.com/pin/524387950344346979/>*



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Thank you 😊



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