

# Research Data Management (RDM) at the University of Hong Kong Libraries

Y.C. Wan & Antonia Yiu

The University of Hong Kong

PRRLA 2017 Meeting, Zhejiang University

Hangzhou, China, 17-20 October 2017



# What's to be covered...

- Introduction of HKU
- The story of RDM at HKU
- Current progress
- Challenges ahead



# About HKU



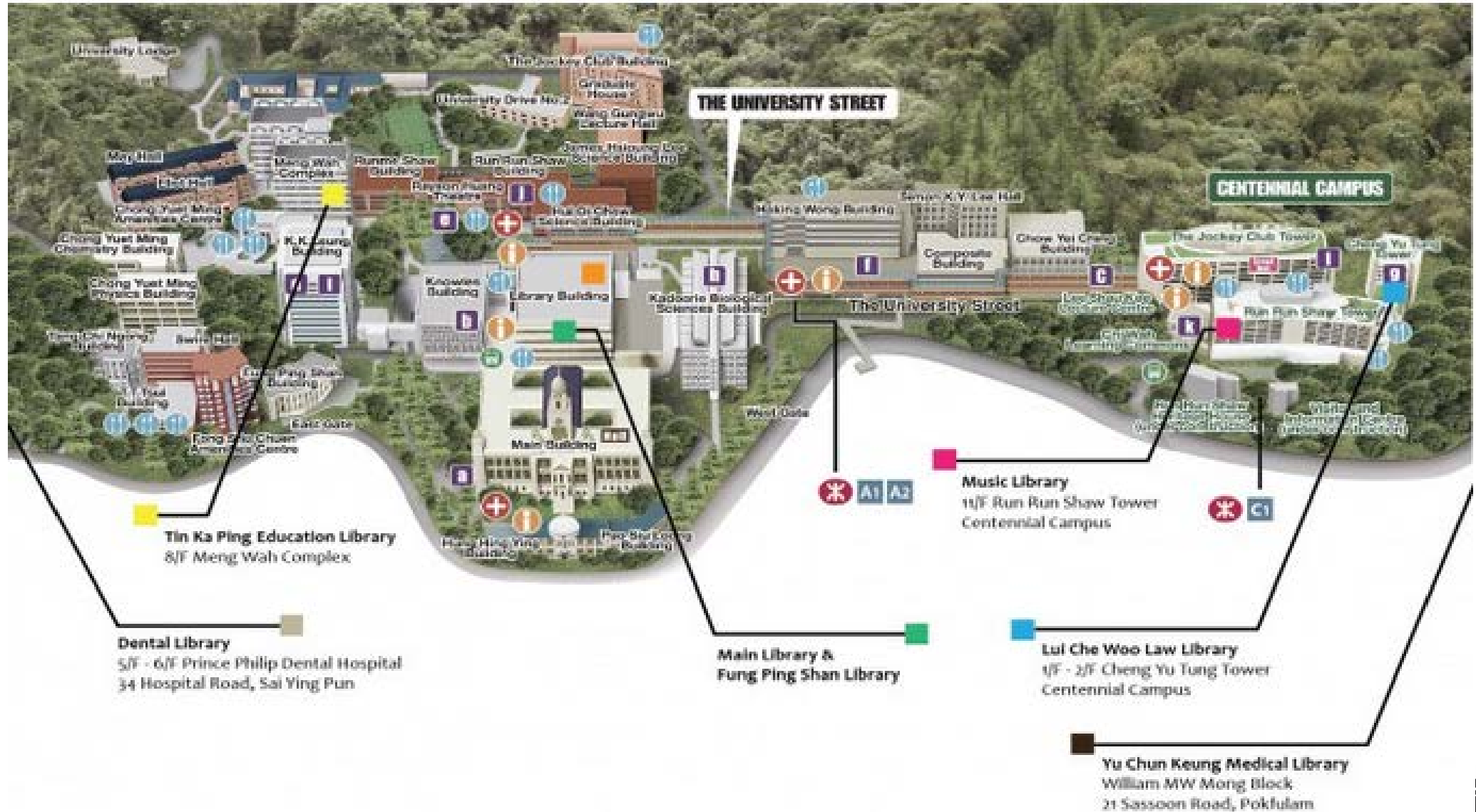
Incorporated in 1911

Evolved from the Hong Kong  
College of Medicine for Chinese  
(1887)

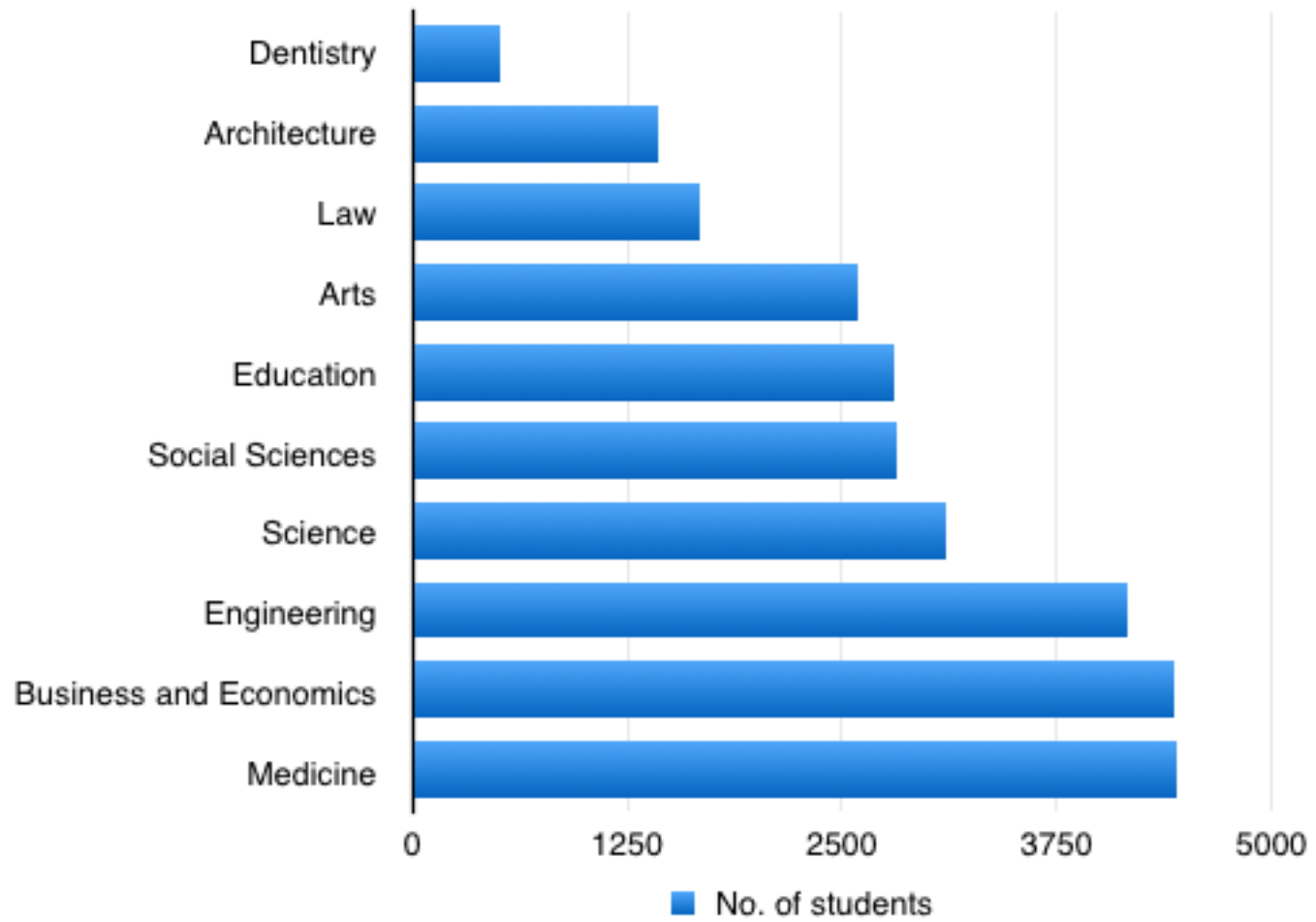


# HKU Libraries

- Main  
1912
- 
- Fung Ping Shan  
1932
- 
- Medical  
1965
- 
- Law  
1969
- 
- Education  
1978
- 
- Dental  
1981
- 
- Music  
1983



# An English-medium Research-led Comprehensive University



10

Faculties

28,744

Students

10%

Research Postgraduates (RPg)

Source: HKU Quick Stats 2016

# HKU's vision for 2016-2025

## OUR THREE PILLARS

Our commitment to being Asia's Global University is supported by three pillars, which provide the framework for our strategy.



To become

# Asia's Global University

Our 3+1 Is:

**I**nternationalisation  
nnovation  
nterdisciplinarity  
**IMPACT**

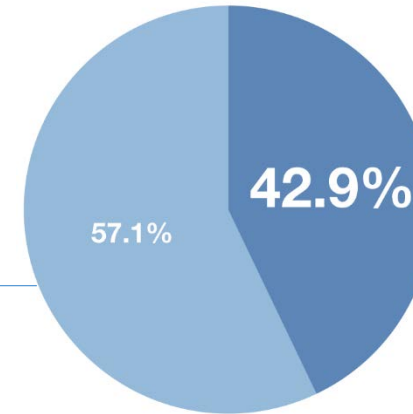
# Research Funding for HKU

8 Universities funded by RGC in Hong Kong

9

## RGC's Areas of Excellence (AoE)

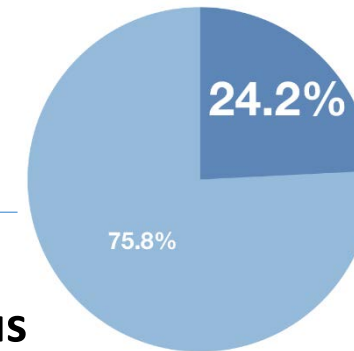
projects directed by HKU investigators since its inception in 1996



14

## RGC's Theme-based Research Scheme (TRS)

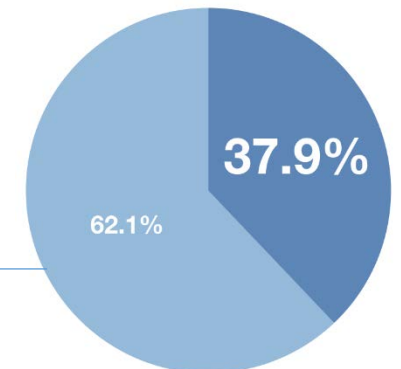
projects led by HKU investigators since its inception in 2010



233

## RGC's General Research Fund (GRF)

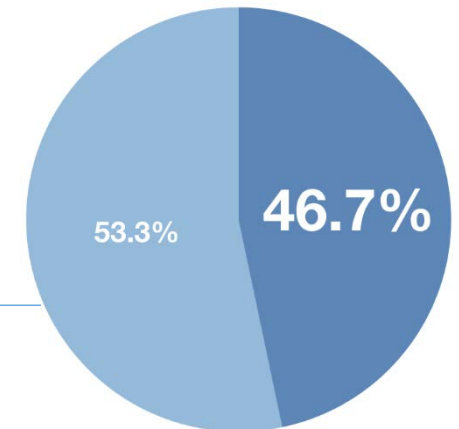
projects awarded to HKU



11

## RGC's Humanities and Social Sciences Prestigious Fellowship Scheme (HSSPFS)

fellowships awarded to HKU since its inception in 2012–2013



“These and other research activities have led to **exponential growth of research data** in various forms, e.g. text, numbers, image, audio, video, and models; and their **effective management** have become **a major challenge** for the University”

Source: Senate Paper on Management of Research Data and Records (p. 1), HKU, April 2015



# The story of RDM at HKU begins

**1st**

**University in  
HK adopting  
a research  
data policy**

# Policy on the management of research data and records

(2015)

<http://www.rss.hku.hk/integrity/research-data-records-management>

---

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




Chaired by a senior researcher with representatives from researchers and administrative departments

# Task Force on Management of Research Data & Records (2015)

---

Recommendations on:

- Guidelines and procedures
- Infrastructure
- Training and support
- Implementation timeline
- Funding



**Encourage  
research data  
management**

## The Hong Kong Research Grants Council (RGC)

---

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

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

"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.**"



**119**

Respondents

## Needs of HKU Researchers

---

### Ithaka S+R Faculty Survey (2015)

- how faculty members discover materials for research;
- the value of mechanisms for gaining access to research literature;
- **faculty members' data preservation and management behaviors and needs;**
- faculty members' usage of scholarly communication services; and
- the role of the library in supporting faculty members' needs.

# How well each statement below describes your point of view,

where a 10 equals "Extremely well" and a 1 equals "Not at all well."

8-10    4-7    1-3

## Organize or manage these data on my computer or computers

Organize or manage these data on a **cloud storage service** (such as Google Drive, Dropbox, Flickr, etc.)

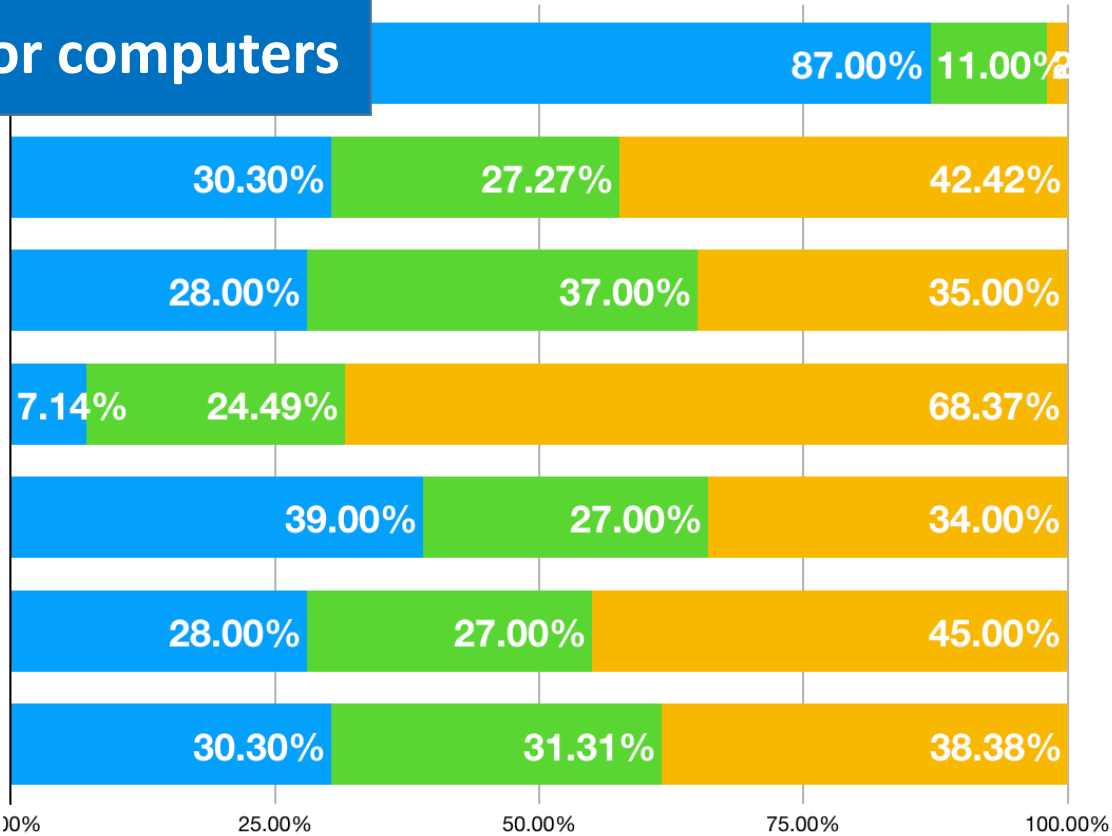
I find it **difficult to organize or manage** my data, media, or images

**My university library manages or organizes** my data, media, or images on my behalf

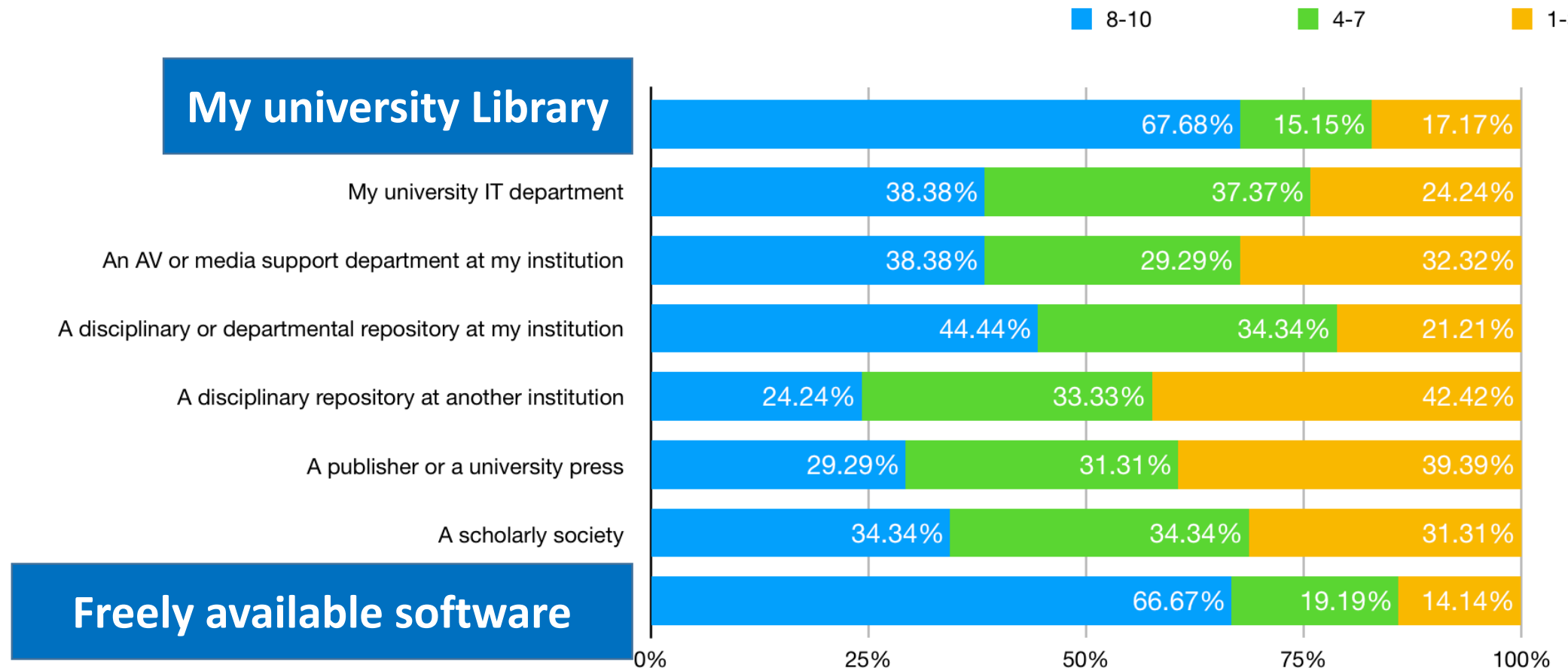
I often work with my data, media, or images **on a non-networked device**

I often work with my data, media, or images **on a wireless mobile device**

I find it **difficult to preserve or store** my data, media, or images for the long-term



How valuable you would find each of the following **possible sources of support for managing or preserving research data, media, or images**, where 10 equals "Extremely valuable" and 1 equals "Not at all valuable." Please select one answer for each item.





# Current progress

Guidelines and Procedures

Infrastructure

Training and Support



# Guidelines and Procedures

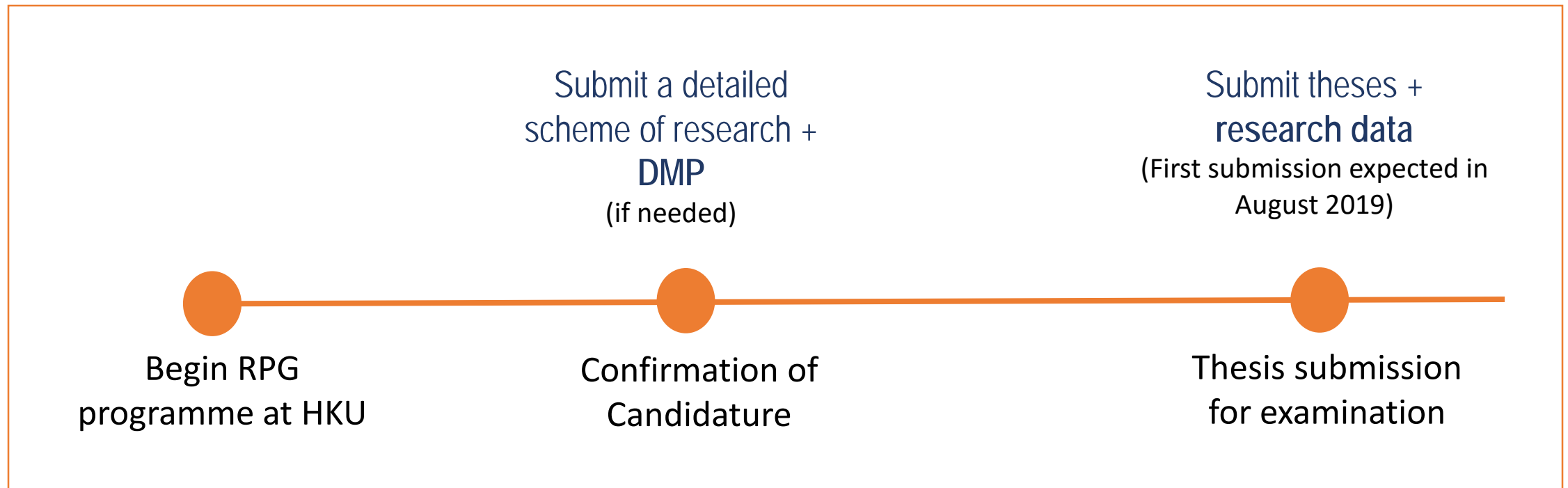
Concerted effort of HKUL with other on-campus departments

---

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.

# Seamless integration with the RPG workflow



# Infrastructure

The HKU CRIS (Current Research Information System) mainly for Faculty staff

The screenshot shows the homepage of The HKU Scholars Hub. At the top left is the HKU logo and the text 'The University of Hong Kong' and 'The HKU Scholars Hub 香港大學學術庫'. To the right are 'HELP', 'HKU Login', and 'Guest Login' buttons. A red navigation bar contains links for Home, Publications, Researchers, Organizations, Grants, Datasets, Theses, Patents, and Community Service. Below this is a large banner with a gear image and the text 'THE HKU SCHOLARS HUB AT THE CENTRE OF HKU'. To the right of the banner is a text box explaining the hub's purpose. Below the banner is a search bar with a 'Quick Search BETA' button and a 'Search Q' button. The main content area is divided into three columns: 'Featured Scholar' featuring Professor Yuen, Kwok Yung; 'Hub News' with a list of recent updates; and 'Relevant Links' with a list of useful resources.

The University of Hong Kong  
The HKU Scholars Hub 香港大學學術庫

Home Publications Researchers Organizations Grants Datasets Theses Patents Community Service

HELP  
HKU Login  
Guest Login

THE HKU SCHOLARS HUB  
AT THE CENTRE OF HKU

The HKU Scholars Hub is the current research information system of The University of Hong Kong. As a key vehicle of HKU's Knowledge Exchange Initiative, The Hub aims to enhance the visibility of HKU authors and their research, and to foster opportunities for collaboration.

Quick Search **BETA** Research Collaborations Thesis Supervisors Media Commentators

Search for Everything... Search Q

### Featured Scholar



**Professor Yuen, Kwok Yung**

- Chair of Infectious Diseases
- Professor (Clinical)
- Henry Fok Professor in Infectious Diseases

+ MORE

### Hub News

- Apr 2017: HKU Theses On Amazon and Other Online Retailers.
- Jul 2016: The Hub adds Datasets. New deposit page coming soon.
- Feb 2016: Updated to DSpace 5.2. Added global search capability under Quick Search tab.
- Jan 2016: The Hub is No. 1 in Asia and 41st worldwide, according to Webometrics.

More

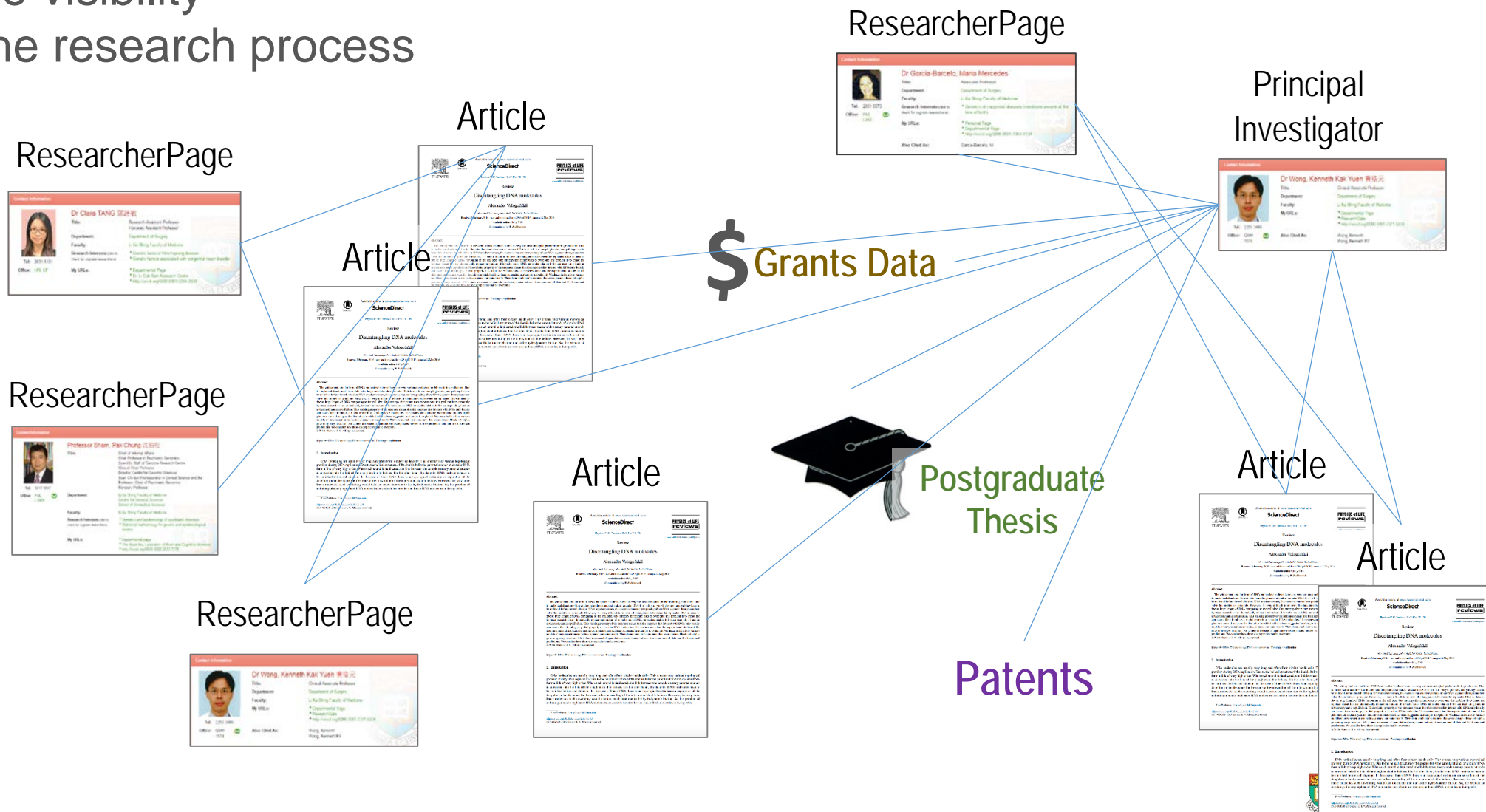
### Relevant Links

- HKU's Top 1%
- Open Access @HKU
- Usage Stats & Downloads
- HKU most cited articles in Scopus
- HKU research on Web of Science
- Research @HKU

# Entities are inter-linked

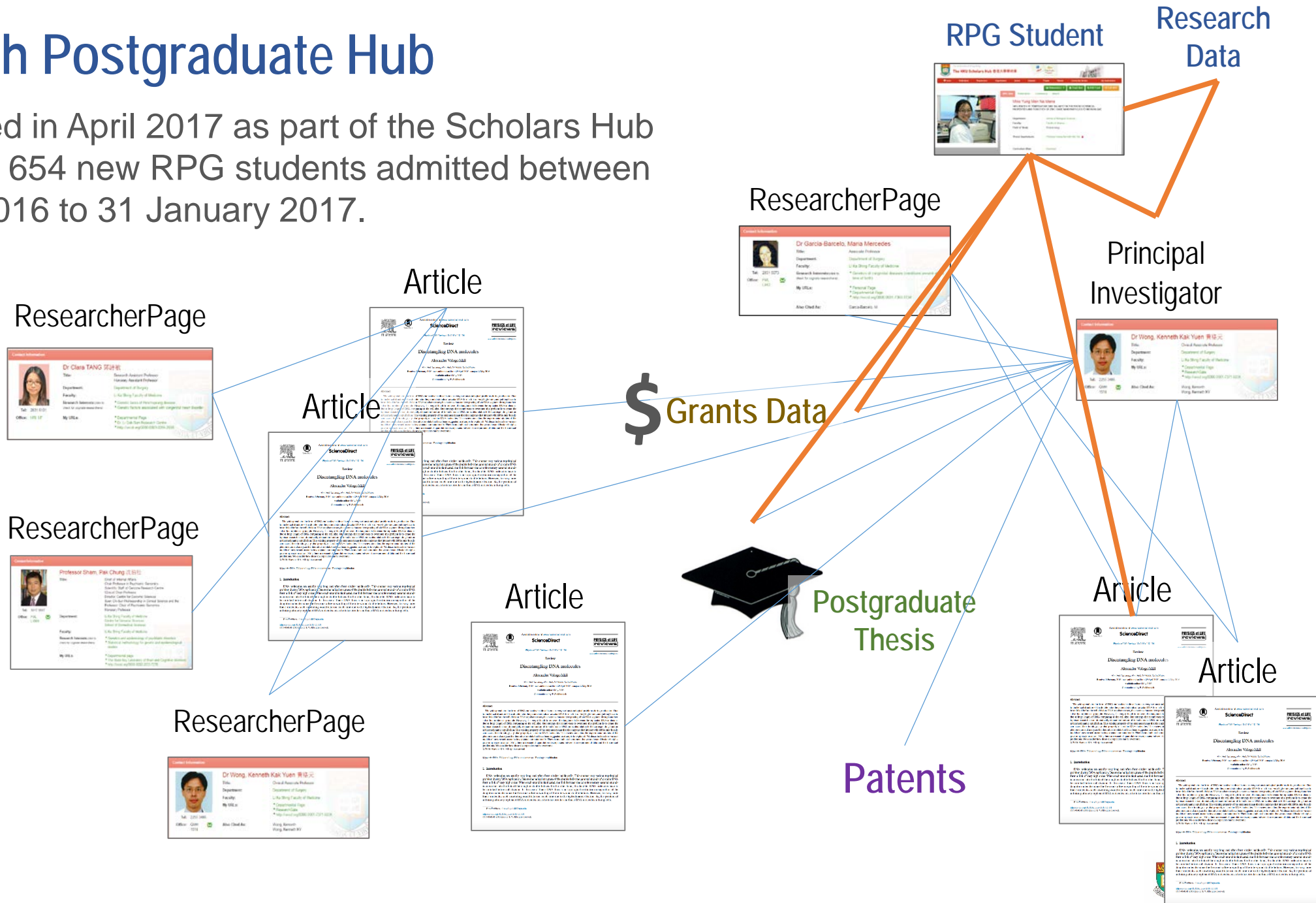
- Facilitate discovery
- Enhance visibility
- Trace the research process

RPG  
Student?



# Research Postgraduate Hub

- Launched in April 2017 as part of the Scholars Hub
- Phase I: 654 new RPG students admitted between 1 July 2016 to 31 January 2017.

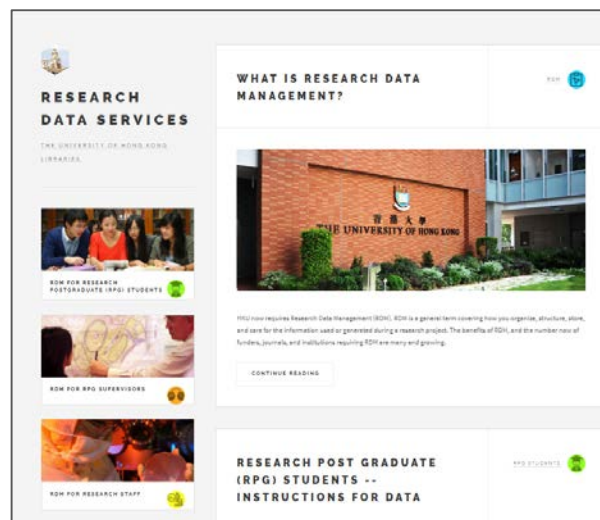


# Training and Support

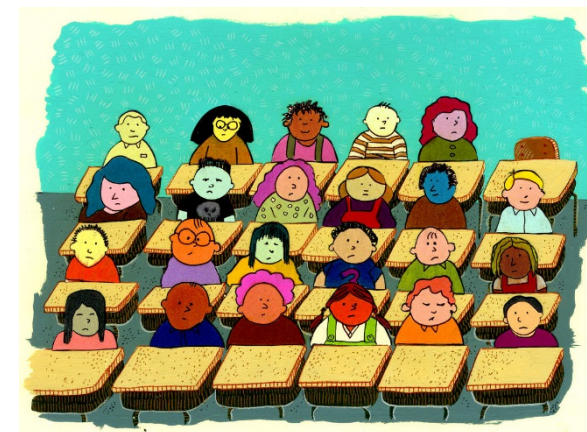
A portfolio of resources and services



**Research and  
Data Services  
Librarian**



**[RDM Website](#)**



## Workshops

- Library presentation on RDM in the course **Research Ethics for Graduate Students** (Graduate School)
- Library course on **RDM**

Image source: <http://quevienelateacher.blogspot.hk/2012/10/new-librarian-wanted.html>  
<http://dialecticaloutlook.wordpress.com/2010/06/17/la-classe-come-sistema-complesso/>

## Video

### A Dialogue on Research Data Management at HKU



[https://www.youtube.com/watch?time\\_continue=4&v=aVZaBxqGMgw](https://www.youtube.com/watch?time_continue=4&v=aVZaBxqGMgw)

A collaborative effort  
with  
**HKU TELI**  
(Technology-Enriched  
Learning Initiative)

The University of Hong Kong Libraries



# Challenges Ahead...



# Storage, backup and long term preservation



Policy on the Management of Research Data and Records

Para 9

The University is responsible for:

- Providing access to services and facilities for the storage, backup, deposit and retention of research data and records that allow researchers to meet their requirements under this policy and those of the funders of their research;

.....

Image source: <https://storageswiss.files.wordpress.com/2017/07/data-lock-safe.png?w=350&h=200&crop=1>

# RDM Awareness and Training at HKU

## Level 3: Specialist

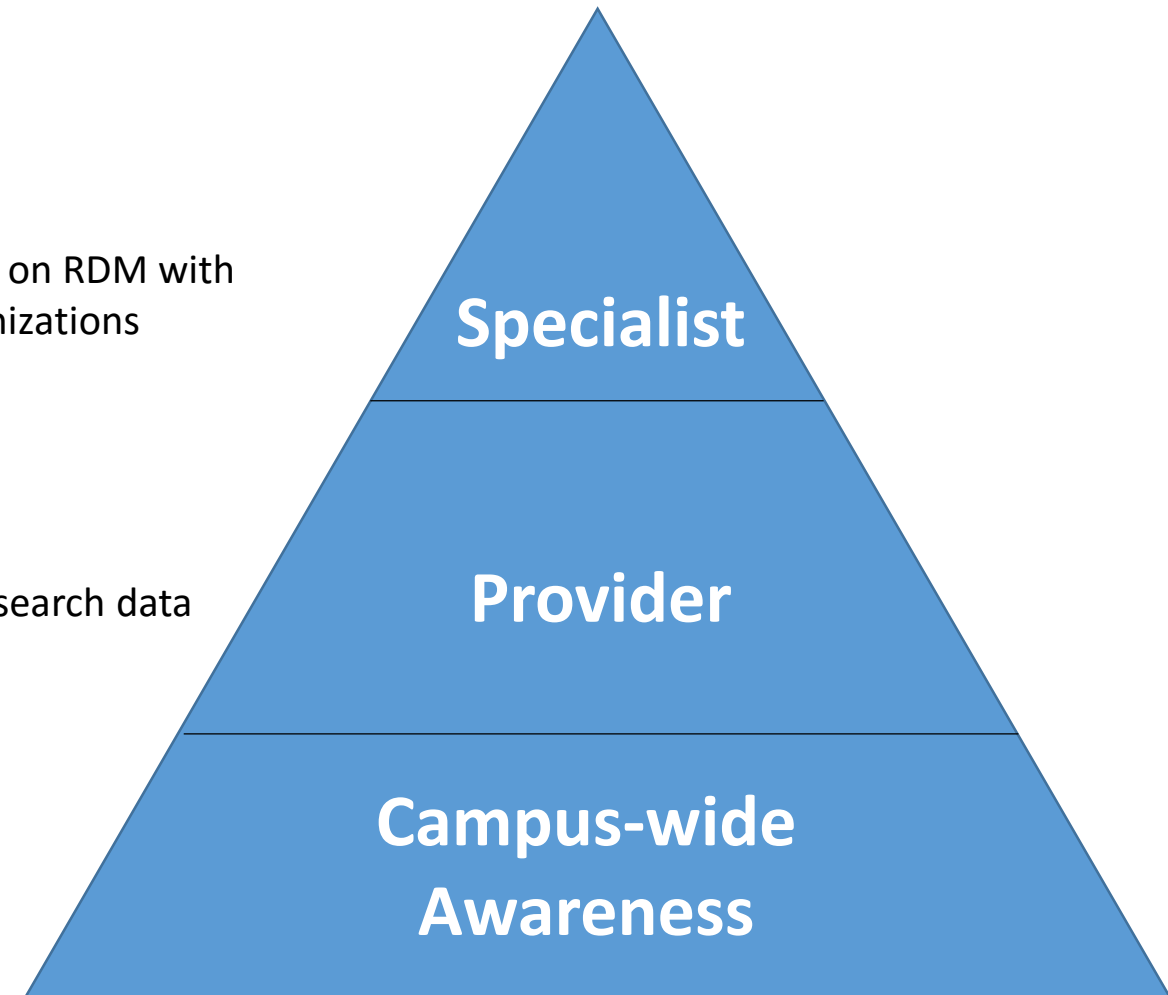
- Has expertise and knowledge in RDM
- Stay abreast of the latest trends in RDM
- Able to communicate and engage in knowledge exchange on RDM with administrators and researchers at HKU and external organizations

## Level 2: Provider

- Has good knowledge of writing a DMP
- Able to recommend sources for finding and depositing research data
- Able to provide training and workshops on RDM

## Level 1: Awareness

- Be aware of the HKU policies and guidelines
- Be aware of the support provided by the Libraries



A caricature on “people doing research”, by Feng Zikai (丰子恺, 1898 - 1975), an influential Chinese painter, pioneering Chinese comics artist, essay author and educator.

Thank  
You

