

**'RESEARCH' IS  
BORN FREE AND  
EVERYWHERE IS IN  
CHAINS'**

---

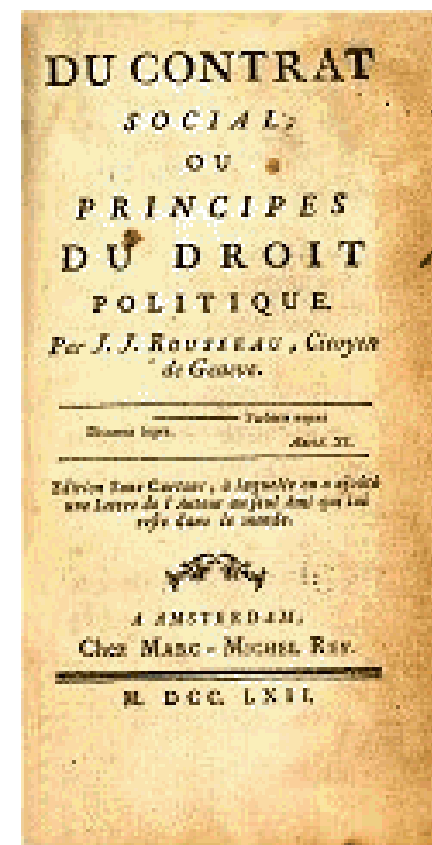
**ROBERT TERRY  
MANAGER  
RESEARCH POLICY**

(THESE THOUGHTS ARE MY OWN...)

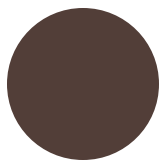
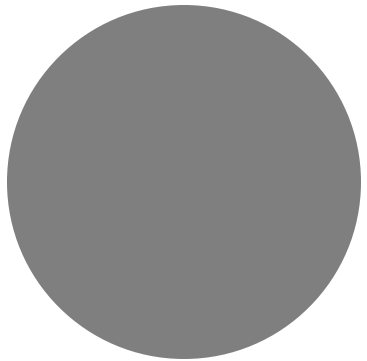
CC BY NC IGO 3.0



Jean-Jacques Rousseau



[https://commons.wikimedia.org/wiki/File:Jean-Jacques\\_Rousseau.gif](https://commons.wikimedia.org/wiki/File:Jean-Jacques_Rousseau.gif)



# HISTORY – HOW DID WE GET HERE

# HOW DID WE GET HERE.... (UK)



- Journals 1665 Newton, Wren et al.
- Letters (no peer review)
- End 19<sup>th</sup>C Editorial review → peer review
- 1900's rise of the 'professional' researcher GRANTS.
  - e.g. UK Medical Research Council 1920
- 1960's Robert Maxwell – Pergamon Press & Elsevier
  - Commercialization of publishing

# WHAT'S THE PROBLEM WITH A PROFIT DRIVEN APPROACH



MARKET FAILURE - PRODUCERS AND CONSUMERS  $\neq$  PURCHASERS

## WHAT BECAME THE PROBLEM WITH A PROFIT DRIVEN APPROACH (2)

JOURNALS – 1960'S →

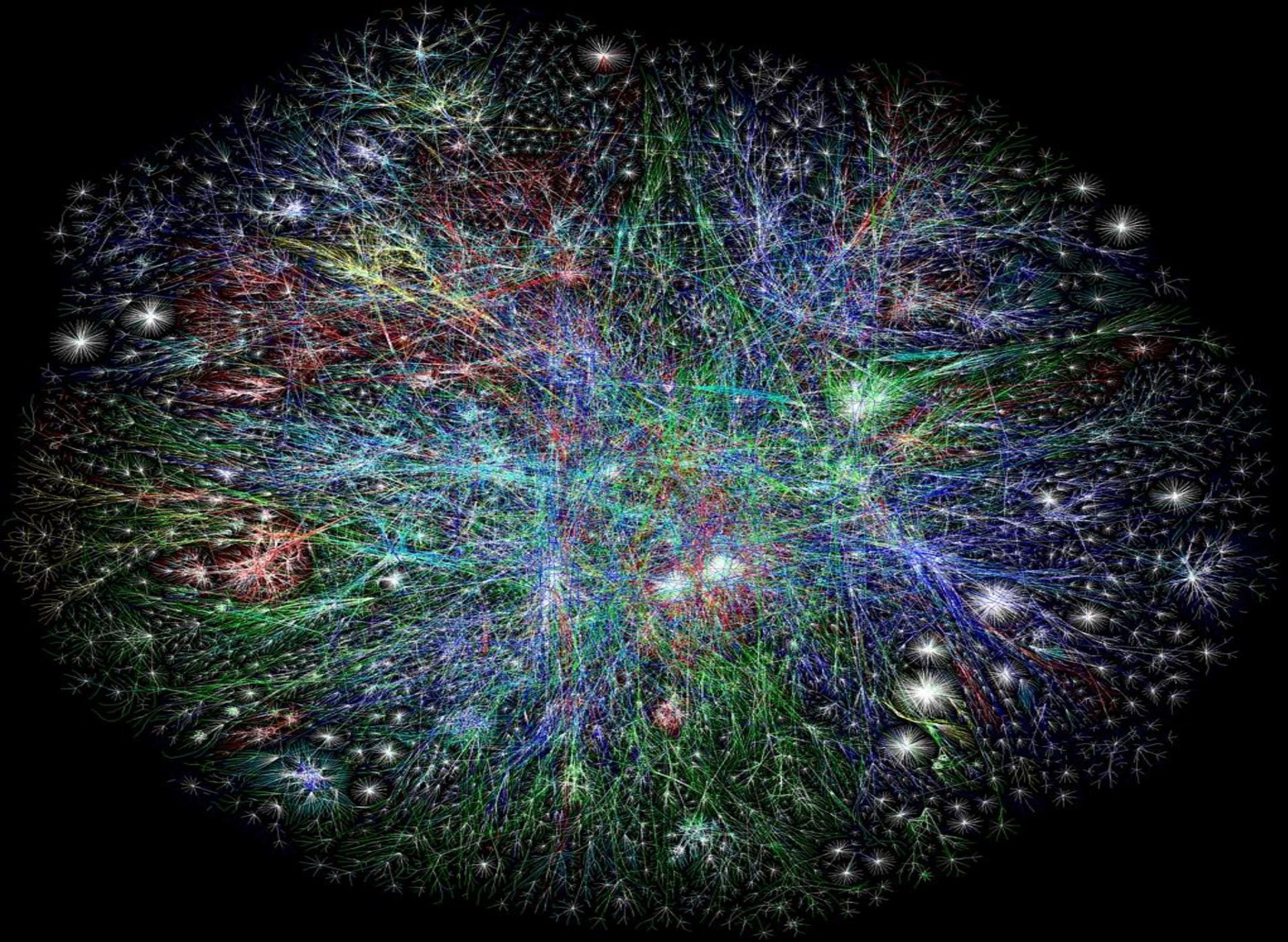
NIH – GENETICS - JOURNAL CITATION INDEX

IMPACT FACTOR – ONE SINGLE MEASURE

CREATED PERVERS INCENTIVES

NOW A TOXIC MEASURE



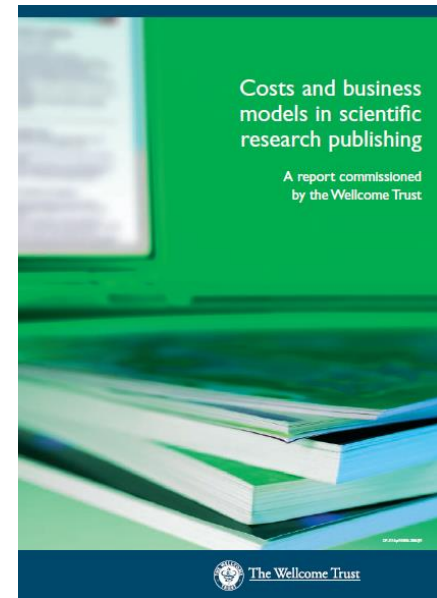


# INTERNET CHANGES EVERYTHING

- FAST AND FREE DISTRIBUTION
- DIGITAL ARTICLES – NEW SCIENCE
- OPPORTUNITIES TO INTEGRATE TEXT AND DATA
- MULTIPLE COPIES
- NEW BUSINESS MODELS
  
- UNRESTRICTED ACCESS.....?

# WHAT HAPPENED NEXT

- Public Library of Science 2000
- HINARI (2002) WHO
- Berlin Declaration on Open Access 2003
  - Digital free to access
  - Unrestricted reuse licence
  - ARCHIVE
- Director of Wellcome gets annoyed
- NIH and Wellcome release policy 2003
- Create UK → Europe PubMed Central
- Gold, green etc. and APCs...
- NB – research dissemination is a RESEARCH COST (but are APCs the answer...)
- LOTS AND LOTS AND LOTS OF CONFERENCES.....





# SO WHAT CHANGED?

---

- Slow growth – but growth
- More OA journals in LMICs – Hindawi – Latin America different path
- Growing democratization of science – public & patients read online and use
- Recognition that need same policies for data (Human Genome)



# SO WHAT STAYED THE SAME

LIMITED ACCESS.....

- Uganda MoH no access to a paper on cholera vaccine.
- Nepal no access to evidence on anti-microbial resistance
- Researchers holding onto [data](#) e.g. emergencies (Ebola) <31% of data available
- Toxic Impact Factor



# SO WHAT NEXT

- Wellcome Director gets annoyed (again)
  - Plan S – shock, Surprise (?) shake up
- 
- WHO - this is a public health issue
  - Universal Health Coverage  
= Universal access to quality health information
  - New platforms [TDR Gateway](#)
  - New platforms for sharing data (malaria, Ebola, TB and others)
  - Evidence synthesis to inform policy
  - New incentives [DORA](#)
  - What is research for....? Alexander Refsum music research



World Health  
Organization



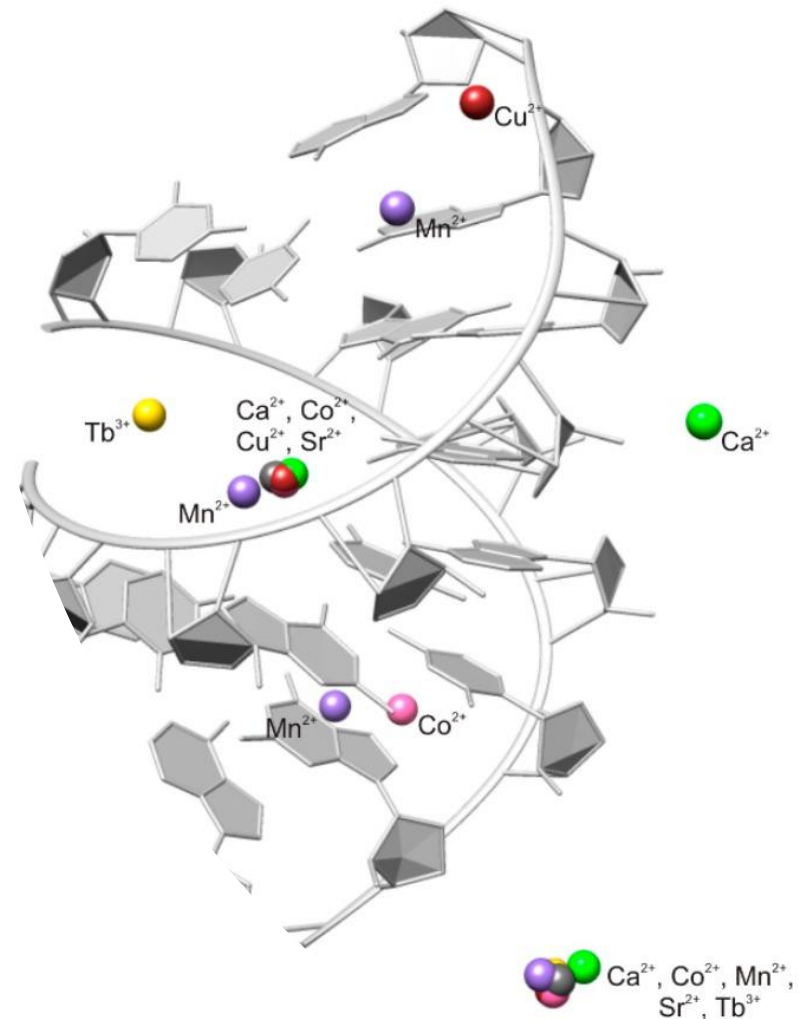
For research on  
diseases of poverty

UNICEF • UNDP • World Bank • WHO

# SO WHAT NEXT

- New platforms – new format for articles
- 

- [Europe PubMed Central](#)
- Data, figures, comments,
- Ingests author manuscripts





# The future is in sight...but everyone must travel their own path

---

- Disruption, chaos = change
- Next generation Trinity College Dublin – are driving the train
- Publish 1<sup>st</sup> .....then perish(?)
- Democratize research access for all
- Open peer review – improve
- The journal is DEAD – remove the impact factor
- Long live the impact factor – the rise of the learned Societies – journals in the wrong place
- Achieve the dream of the digital article
- Create effective equitable, ethical and effective data sharing
- How to absorb costs in the research system (APCs?)
- Funders – share YOUR data on who, what ,where



# Thank you

Robert Terry [Terryr@who.int](mailto:Terryr@who.int)

CC BY NC IGO 3.0