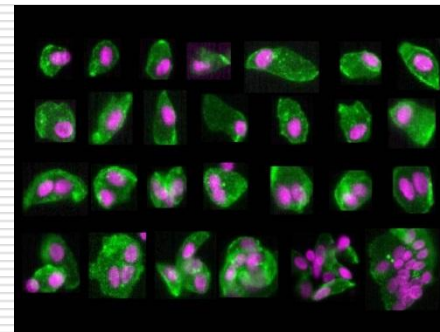
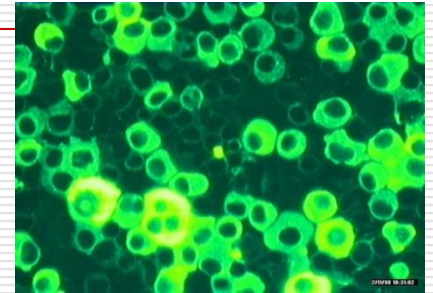


Content Curation by end-users for knowledge management (OKM) and information literacy (IL) London Dec 2016



GC Faure
MD, PhD
Prof Immunology
Université Lorraine



Disclaimer

once upon a time...

Europe SCICOM meetings

Paris MRES Comité stratégique IST

UHP Nancy 1 Chargé de mission DOC

AUF: ASSIM: maître toile

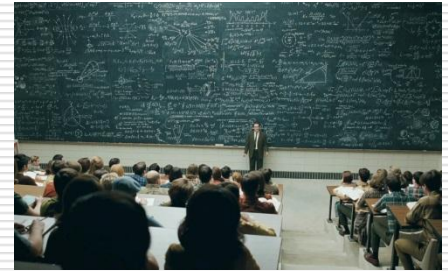
(<http://www.assim.refer.org>)

<http://www.scoop.it/u/gilbertcfaure>

No conflict of interest to declare



Who are the End-users?



University Teachers

Researchers

Trainees and students



*Producers and consumers of
information*

MDs and patients

General audience



Am I an usual end-user?

1975

2015 another illusion!

- « Je suis la référence » sic

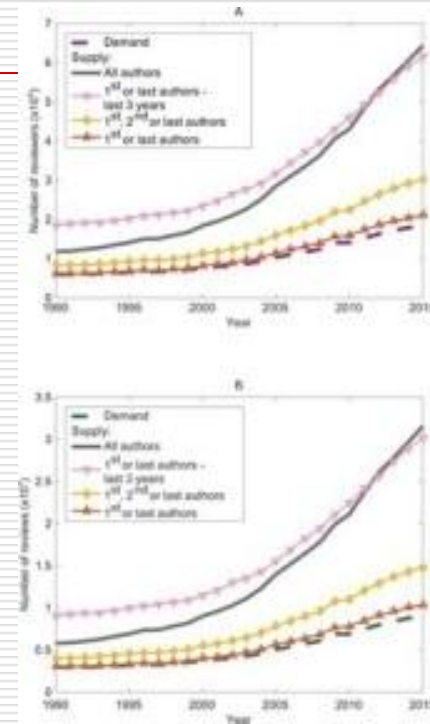


- **GOOGLE:**
notrefamille.com
- **Wikipedia?**



KM : Knowledge Management

- Surfing the information wave
 - Keeping abreast of information
- Published papers, Books, Journals
- + Grey literature: since the 90's



“Between the extremes of black and white”

• published journals	• preprints	• ideas
• books	• e-prints	• concepts
• professional society conference proceedings	• technical reports	• thought
	• lectures	
	• numeric data sets	
	• audiovisual media	
	• blogs	
	• fora, etc.	

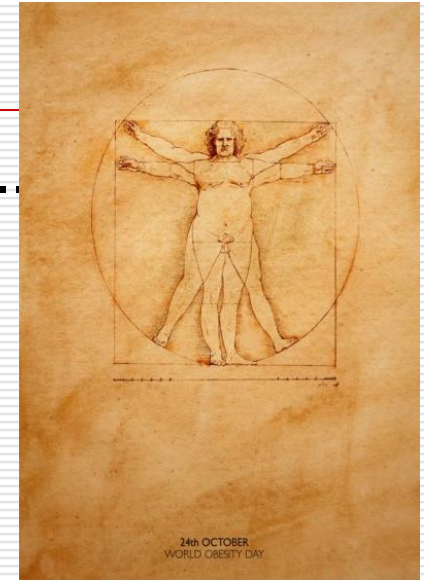
Grey = Deep



Recent Evolutions and Concerns

INFOBESITY

- **Too much** information is killing information...
- **and Knowledge**
 - Surinformation, Pollution informationnelle,
 - Harcèlement textuel
- **Networking**
 - From individuals and communities of interest
 - To (social) networks



Information Literacy (IL) in higher education:

- **Society 2020 requires**

- Multi-skilled learners
- Able to think critically
- Pose and solve problems
- Become independent and life long learners

- **Postgraduate and PhD students**

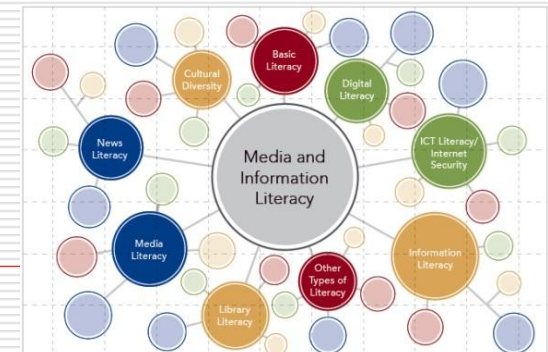
- **OCDE and UNESCO: (MIL) Media and Information Literacy**

Recognize needs of information!!

Localize information!

Select information

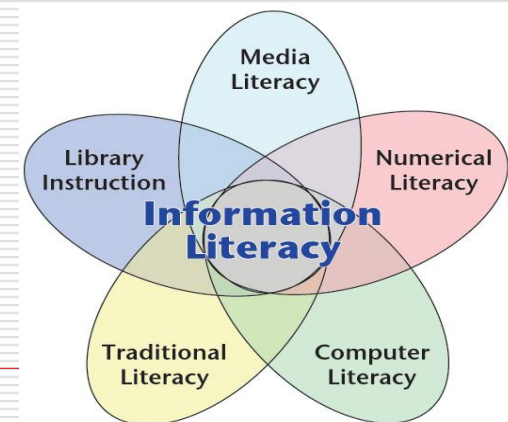
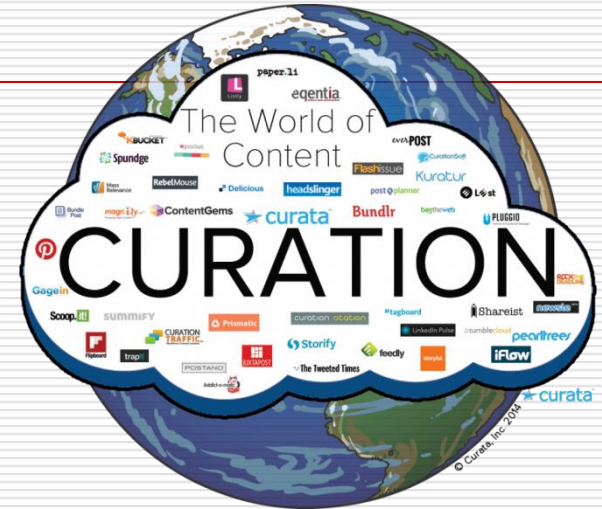
Organize information



CURATION for knowledge management

What is curation?

- A recent concept
 - Many tools
 - **Scoop.it** Vs other tools
 - Experiences with Scoop.it in immunology
 - Other experiences for
 - Other fields of Research,
 - **Science mediation**
 - Information literacy
-



Curation is... gold panning Or DJ playing

- Selection
 - Agregation, distillation,
- Commenting
 - Editorialisation
 - Elevation, mashup
- Diffusion
 - Sharing

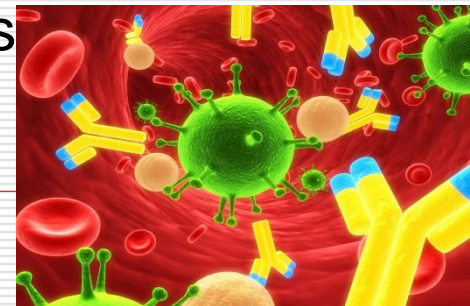
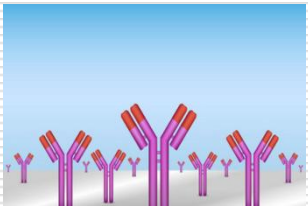


Topics covered



with colleagues from Portugal, Schweiz, Spain, US, France

- Basic Science, Biotechnologies, BioTherapies
 - **Immunology (>5,8K scoops, >70K visitors, >101K views)**
 - From Flow Cytometry to Cytomics (3.9K scoops, >18,5K views)
 - Immunology and Biotherapies (5,7K scoops, >14K views)
 - Mucosal Immunity (2,9K scoops, 7,5K views)
- **Immuno-Pathology**
 - Autoimmunity, (2,5K scoops, 6K views)
 - Allergy and clinical immunology



Other Immunology projects using Scoop.it

- Industry Consultant

- K Maggon Immunotherapies
Biotherapies 10 topics!



- Teachers, researchers and students

- **MdC Nancy Immune monitoring**
- **RC NY USA Diabetes**
- JL USA Complement and PNH 10 topics
- *XW China ENT*
- MH Nancy allergie alimentaire
- Master students



» *Vs resources using other curation tools:
Pinterest, Tumblr, PaperLi, Flipboard*

Other Life Sciences active topics

Twitter
Ed Rybicki @edrybicki
Ken Yaw Aggeman-Badu @Kenzibit
Rebecca Kressman @thebodyhorrors
Jeff Habig @jhabig
Ben Hetman @ben_hetman
Linda O'Reilly @lindao7009
R. Burke Squires @burkesquires
Naomi Osborne @Naomi_Osborne_
David Loiret @david_loiret
Marion Koopmans @MarionKoopmans
Hannah Davis @Hannah
Jung Choi @jung_gt

Julia Paoli
Chad Smithson

Nick Tang
Alice Gibbons

- Chris Upton + **Helpers** U.Victoria
 - Virology and bioinformatics
 - Next Generation sequencing
- C.Jacquet, IPM Lab Toulouse
 - Plants immunity, pathogens...
- D Blanchard
 - Biotech Pharma innovation
- Institut Pasteur de Tunis
- ~~Journées Internationales Biologie~~



Contents

Focused or serendipitous



Building and enrichment of **content hubs**
(/individual or group curation)

- **Crawling of internet** through keywords +++
 - Sources: Published Journals,
 - Websites, Blogs, Press releases
 - Social networks (Twitter, LinkedIn, Facebook..) Research social networks
 - **Curating when browsing** (Use of applet)
 - **Reposting** of scoops (from followed topics)
 - **Creation** of scoops + publishing (Slideshare)
-

Contents

Are shared

OPEN and actualized webmagazine

Tagged, commented, discussed

Attractive (pictures)

Rediffused on other networks (Twitter,
Linkedin (25) Facebook, Google+

Via e-amils, newsletters

Are Searchable for retrieving



Benefits for teachers and researchers end-users



(1) Keeping abreast of scientific (and societal) information for individual continuous education and *e-learning*

(2) Building leadership in a dedicated field



(3) Joining a network of specialists and communities of interest

(4) Open serendipitous research fields

Benefits for students and trainees end-users



- (1) Building personal content hubs for their master and **PhD training projects**
- (2) Becoming **information literate** and able to surf the information wave



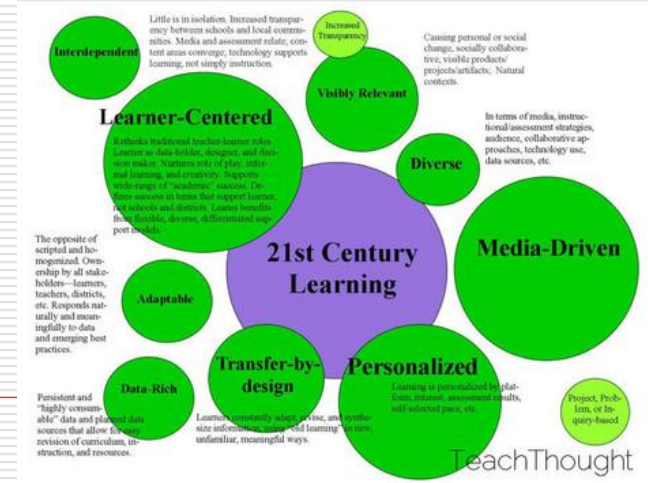
- (3) Becoming information literate for future **life long learning** in universities research centers or industry
-

Opportunities

New ways of teaching: **Flipped learning**

Help students master information techniques; **learning by doing**

Stimulating **curiosity** in a field and adjacent areas



Challenges



Human dependency for curation

A « day to day » duty for scientists and researchers like « walking the dog »

Permanence of tools

Individualism of researchers

Reluctance to share



Take home messages to remember

Who are the end-users!

Information literacy level

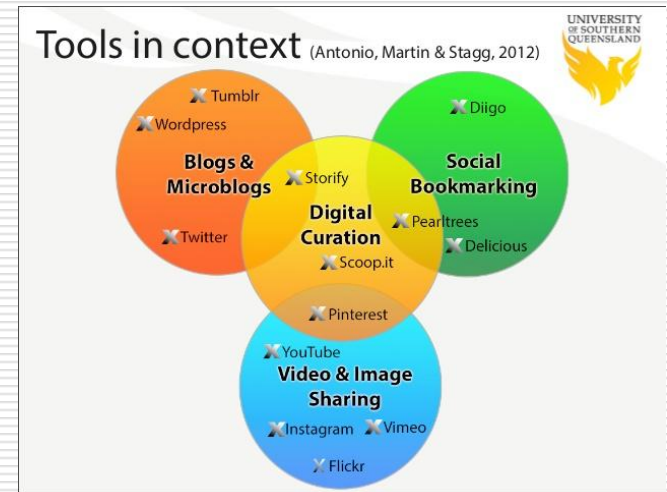
Infobesity

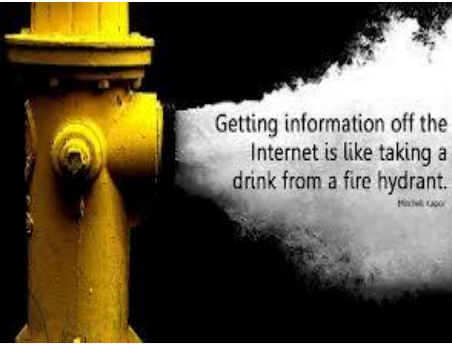
Content Curation

Scoop.it

Benefits and Opportunities

Limits and Challenges





Getting information off the
Internet is like taking a
drink from a fire hydrant.
Michael Lapan

Summary



Scoop.it!

- Probably the best curation tool on the web for serious information
 - Crawling engine and enrichment capacities
- ***A virtual dedicated scientific news webmagazine and content Hub***
- easy to browse, and attractive
 - For information literacy and curiosity
 - The Search engine inside is a major asset
- The **human factor of curation** is the **added value** compared to algorithms: selection, editorialism
- And also ***the limit***, requiring everyday work