

Content Curation for Information Literacy and Knowledge Management in Research settings

St Malo Sept 2017

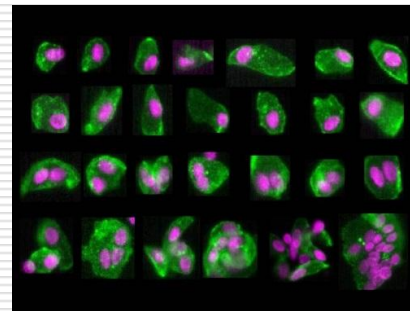
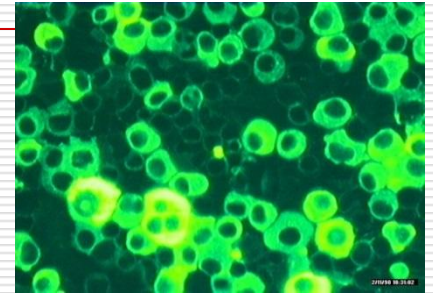


GC Faure

MD, PhD

Prof Immunology

Université Lorraine



End-users in research settings

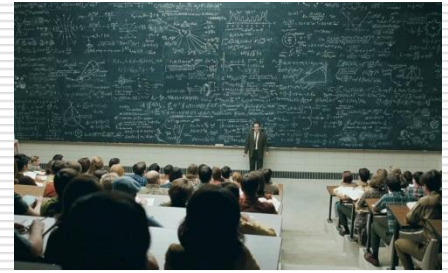
Universities

Hospitals

Research labs

Industry

Trainees and students



*Producers and consumers of
information*

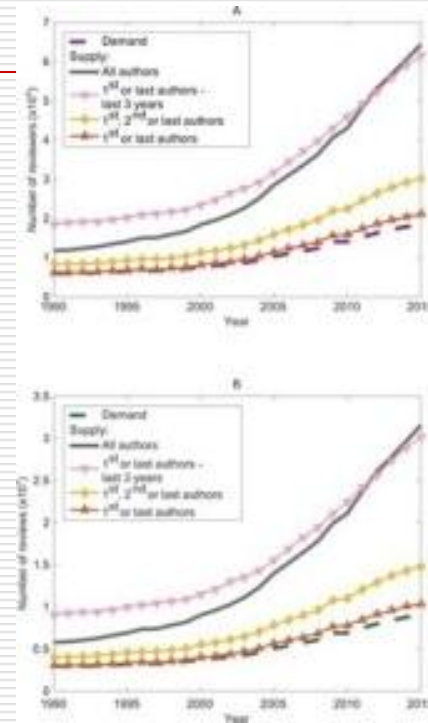
MDs and patients

General audience

OKM : Open 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. | |

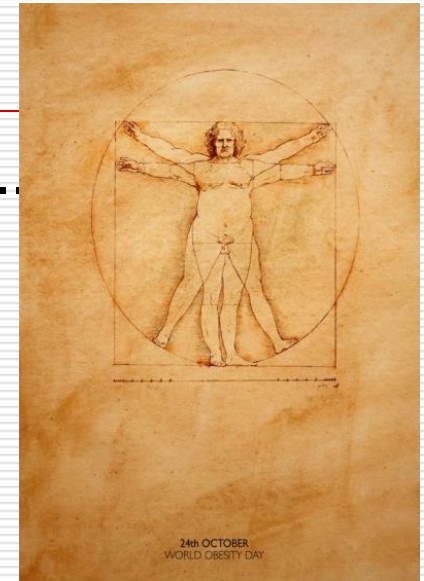
Grey = Deep



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**

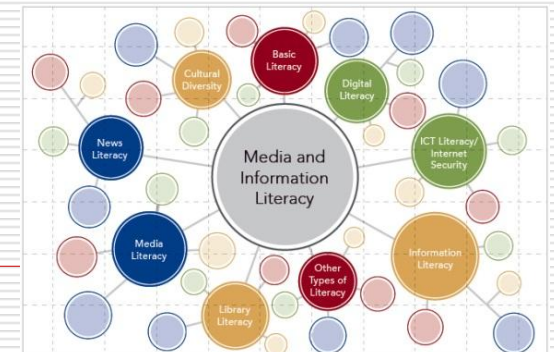
- **OCDE and UNESCO: (MIL) Media and Information Literacy**

Recognize needs of information!!

Localize information!

Select information

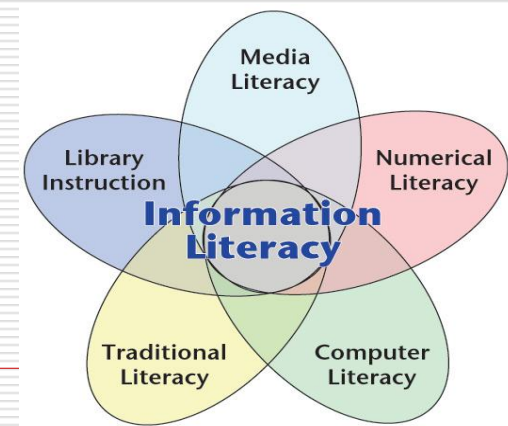
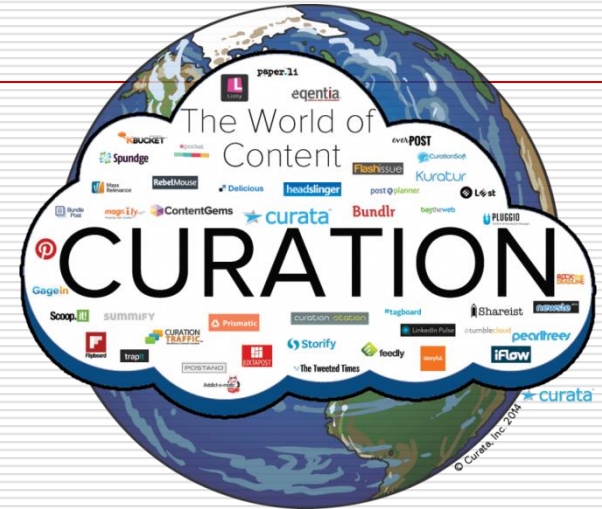
Organize information



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

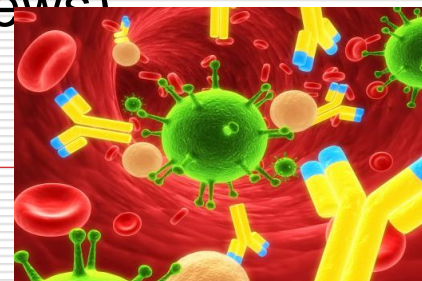
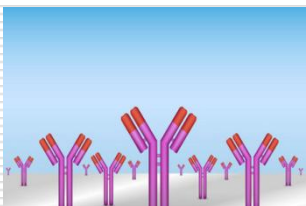


Immunology Topics



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

- Basic Science, Biotechnologies, BioTherapies
 - **Immunology (>6K scoops, >75K visitors, >106K views)**
 - From Flow Cytometry to Cytomics (>4K scoops, >21K views)
 - Immunology and Biotherapies (>6K scoops, >17K views)
 - Mucosal Immunity (>3,3K scoops, >10K views)
- **Immuno-Pathology**
 - Autoimmunity, (>2,8K scoops, >8,5K 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*

Finding information

Focused or serendipitous



Building and enrichment of **content hubs**

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



Sharing and retrieving



OPEN and actualized webmagazine

Tagged, commented, discussed

Attractive (pictures)

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

Via e-mails, 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

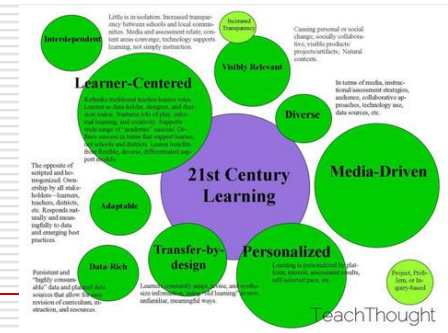


- (1) Building personal content hubs for their master and **PhD training projects**
- (2) Becoming **information literate** and able to surf the information wave



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

Opportunities in training



New ways of teaching: **Flipped learning**

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

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



Challenges



Human dependency for curation

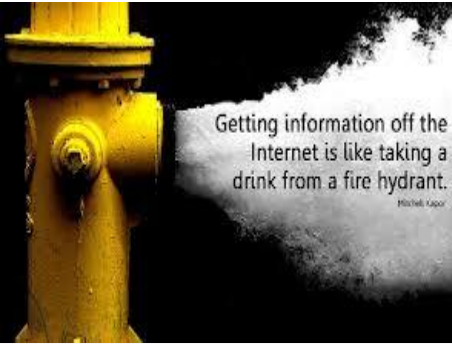
A « day to day » duty for scientists and researchers like « walking the dog »

Permanence of tools

Individualism of researchers

Reluctance to share





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

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

