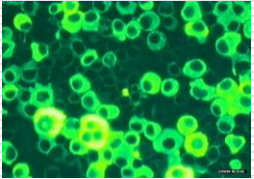


Content Curation for Teaching and Learning Immunology and beyond...



Gilbert C Faure MD, PhD

Prof Emeritus

Immunologie

et CREM

Université Lorraine, Nancy, FRANCE

No conflict of interest to declare



Beyond Sciences Initiative 2022

Toronto

Overview

Context:

Collective knowledge

Infobesity

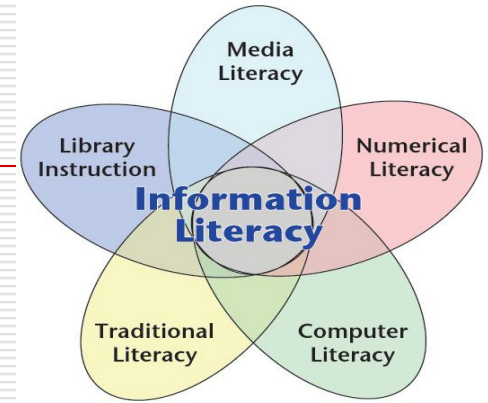
Information and Health Literacy

Curation: Tools... Scoop.it

Medical Immunology

Connected learning, Blended learning and more

Advantages and challenges

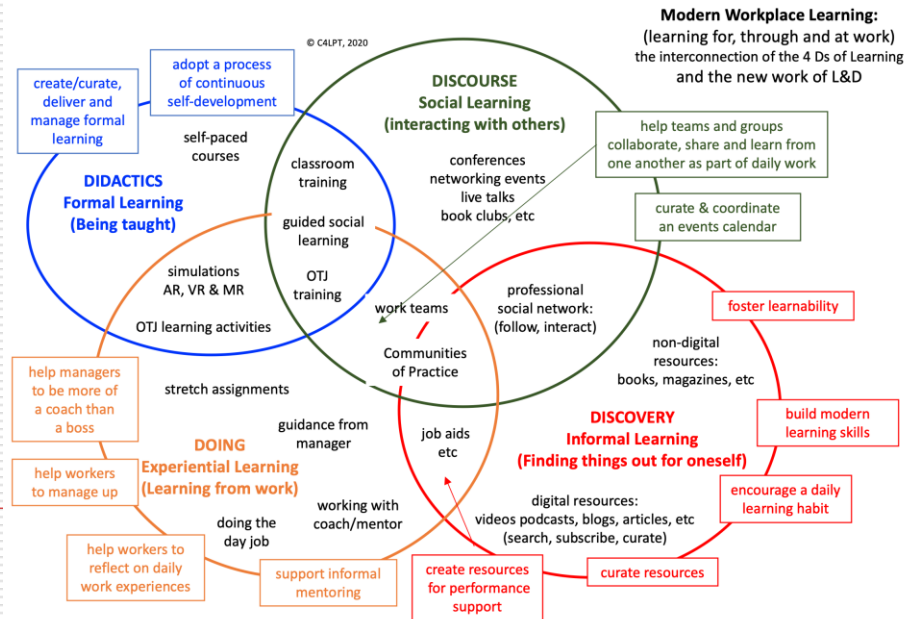


Collective knowledge and Investigative intelligence



Before: Libraries

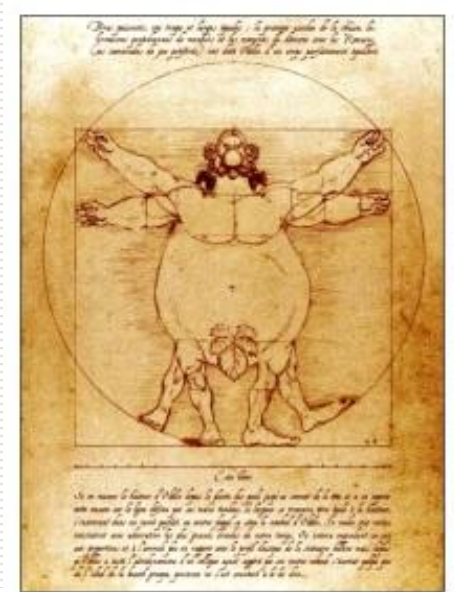
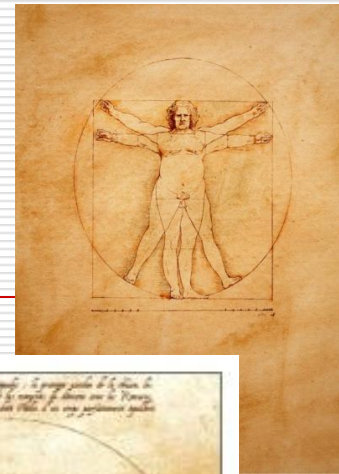
Now: Infobesity



Thanks Sempé, Jane Hart

INFOBESITY

- « Trop d'information tue l'information... »
- **And knowledge**
 - Surinformation, Pollution informationnelle,
 - Harcèlement textuel
- **Publications ... hyperprolifics**
- **Social networks**
 - « Fake » news...



Information Literacy (IL) in high education:

- **Society 2020**

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



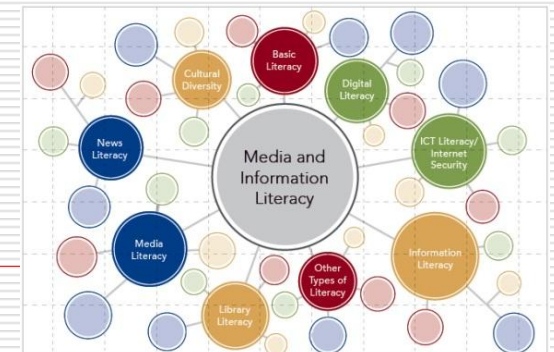
- **OCDE and UNESCO: (MIL) Media and Information Literacy**

Recognize needs of information!!

Localize information!

Select information

Organize information



Health Literacy

Content CURATION for m-learning and metaliteracy

A recent concept?

– Many tools: >50

- Pearltrees, Paper.li, Pinterest, TumbIR, Storify, Sharezy, Flipboard... Cronycle

- **Scoop.it**

– A French/US Start-up

– Various plans (Individual, Education, Business)

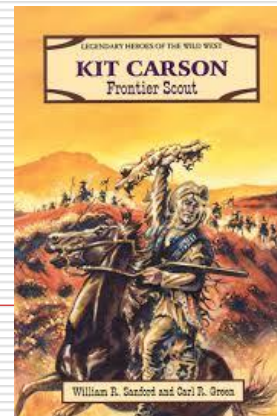


"A curator is an expert learner. Instead of dispensing knowledge, he creates spaces in which knowledge can be created, explored, and connected."

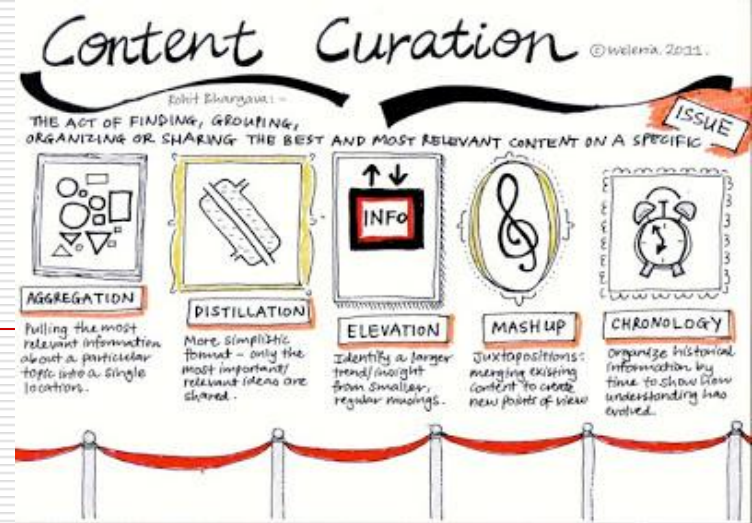
-George Siemens

Curator is:... gold-digger, DJ, Hunter-gatherer, Scout...

- Selection
 - Agregation, distillation,
- « Editorialisation », elevation
 - Commentaries
- Diffusion
 - Sharing



From Libfocus



Aggregation - compiling the most relevant information about a particular topic into a single location (this is the type of curation most people think of)

Distillation - simplifying information down to the key or essential ideas

Elevation - identifying a larger trend or 'the bigger picture' from individual posts, articles or details

Mash ups - merging and remixing existing content to create new ideas or perspectives

Chronology - organising information in a timeline to show the evolution of a subject, topic or idea

Curating information is

reading and writing

Title

Illustration

Summary

Comments

Tags: Keywords

Snippets or nuggets of information

THE ART of a CURATED POST

What should a piece of curated content look like?
Paint the perfect post by including these five elements . . .

- 1 New Title**
Always create a headline that is different than the article you are curating.
- 2 New Image**
To add originality and avoid copyright issues, create a new image for your post.
- 3 Body Text**
Include a link to the original article, attribution of the author and your own commentary.
- 4 Quote**
Draw in an interesting and useful quote from the original article.
- 5 Call-to-action**
Provide readers with an additional resource to expand their knowledge on the topic.

Download our eBook today!

★ curata

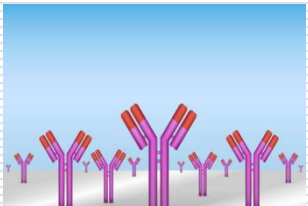
If you use this graphic or framework, please cite and link to www.curata.com.

Immunology:

Topics covered by teachers (GCF et al.)



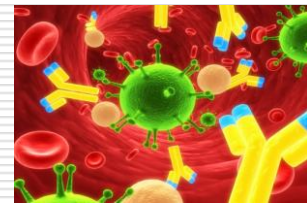
- Basic Science, Biotechnologies, BioTherapies
 - **Immunology (>7.7K scoops, >96K visitors, >126K views)**



From Flow Cytometry to Cytomics (>4.6K scoops, >15,3K visitors, >37,2K views)

Immunology and Biotherapies (>9,3K scoops, >14,8K visitors, >34,4K views)

- Mucosal Immunity (>4,9K scoops, >19,7 K views, >6,1 visitors)



- **Immuno-Pathology...**

- Auto-immunity, (>3,8K scoops, >15,3K views, >4,5K vis)
- Allergy and clinical immunology (>2,8K sc, >14,1K v, >4,3Kvis)
- Neuroimmunology (>2Ksc, >7,5Kv, >1,7K vis)
- History of Immunology (>1Ksc, >3,7Kv, >1,1Kvis)

Topics covered by colleagues and trainees



- **By researchers and colleagues**

- M. de Carvalho Nancy Immune monitoring
- R.Creusot, Columbia NY USA Diabetes
- Complement JD Lambris, Philadelphia, Pa, USA



- **By students**

- *PhD students XW China ENT,*
- Master students from Nancy-Wuhan Training program : *Methodologies of medical clinical and surgical research*
- 15 chinese + 20 french 2020
- 10 chinese +50 french 2021 students

Topics related to medicine and biology



Bonus points on activity (research, posts, comments, tags)

- Foreign language usage

Sino-french medical training program Nancy- Wuhan 2020: 危机

Covid-19: 23/1/2020




<https://www.scoop.it/topic/wuhan?page=6&tag=COVID-19>

Long Distance teaching and learning: classes 2015/6/7


Selected resources for homework

DIU: **Active learning** by students on
chosen topics building portfolio

**EPALE
COMMUNITY
STORIES**



“ The COVID-19 pandemic cancelled any scheduled face to face teaching sessions with the Nancy Faculty professors who were due to travel from France to China, as well as the scheduled local courses with a French professor teaching in Wuhan, who decided to stay in China while students were in lockdown with their families.
Gilbert Faure, France
Medical Doctor
and Professor of Immunology.”



And beyond...:

Fake news and vaccinations

A content Hub for « **vaccine literacy** »
of Health professionals and Medical
students

Social listening

> 1.5K selected posts

Since 1/2020 ...

<https://www.scoop.it/topic/assim-actualites>



Finding information

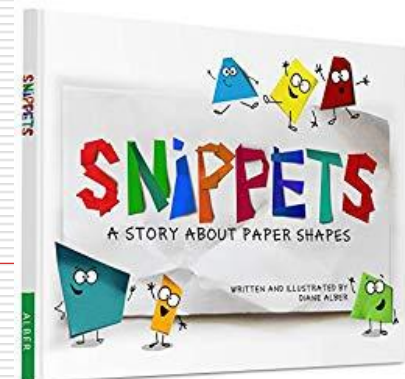
Either focused or serendipity



Building and enrichment of content hubs

with snippets of information

- **Classical info Research** (Pubmed, Google Scholar..)
- **Web « Crawling » of internet with Scoop.it** , personalized +++
- Sources: Published Journals, Websites, Blogs, Press releases, Social networks (Twitter, LinkedIn, Facebook..) Research social networks (Researchgate..)
- **Curating when browsing** (applet)
- **Shared scoops** (scoop.it network)
- **Creating scoops + publishing** (Slideshare)



Sharing and finding again!

OPEN Webmagazine

Tagged, commented, discussed

Attractive (images)

Shared on other networks (Twitter, LinkedIn
(25) Facebook, Google+

Via e-mails, newsletters

Content Hub searchable



The screenshot shows the 'Social Media Pearls' website. The main content area features a collection of pet-related logos and images, including 'PetStreet', 'Unitedcats', 'Uniteddogs', 'Yapet.com', 'catster', 'petinpop', 'PETZUME', 'cuteness.com', 'pawprints', 'you & pet', 'PawPals', and 'PETBRAGS'. To the right, there is an article titled 'Discover Where Your Competitors Are Getting Their Links: Link Detective'. The article includes a magnifying glass icon and text describing the tool's capabilities. The text states: 'Robin Good: Eppie Vojt, a Digital Marketing Consultant at JPL, has just published a great case study on making "pet blogs" rank in the SERPs, and at the end of it has discretely launched a new great online tool: Link Detective. Link Detective will x-ray and dissect any website to provide you with a detailed breakdown of all the links pointing to that URL. Not only, Link Detective allows you to slice and dice this data in a million different ways, giving you the capability for example to see only anchor text links coming from blogs, comments, or biogrolls and to see exactly where those have been obtained. Most link metrics tell a story you already know -- people are ranking with authoritative links and heavy use of anchor text. No matter how you slice that, it doesn't get more actionable. The challenge is figuring out where you can GET THOSE LINKS. Isn't it? That's where Link Detective comes in. Link Detective rifles through a backlink profile using semantic markup and URL naming conventions to group links by type. This tool is a STEEP (over 45,000) website, all content is available here'.



Benefits for teachers and researchers



- (1) **keeping abreast of information** scientific (and societal) for CPD and *e-learning*
- (2) Building **leadership** in specific areas
- (3) Joining specialists **networks and interest communities**



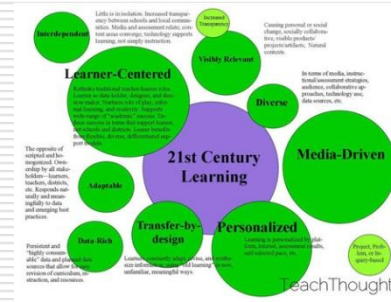
- (4) **Opening** new research fields (**serendipity**)
-

Benefits for research trainees

- (1) Building of research content hubs and **portfolios** (master and **PhD**)
- (2) Becoming **information literate, able** to surf the wave
 - (1) Resources, primary documents, databases, predatory journals, Open Access
 - (2) Foreign languages
- (3) for future **life- long learning** » in universities, research centres, industries...
 - (1) PLN « personal learning network »



Training Opportunities



New ways of learning: Flipped or **blended or hybrid**

Information and digital literacy : mastering information tools and techniques

Learning by reading and writing

Analysis (tags), summaries, comments

Stimulating **curiosity** in your research field and beyond



"Never lose a holy curiosity"
Albert Einstein



Online learning Connected Learning

Blended learning,

E-learning,

Self-learning

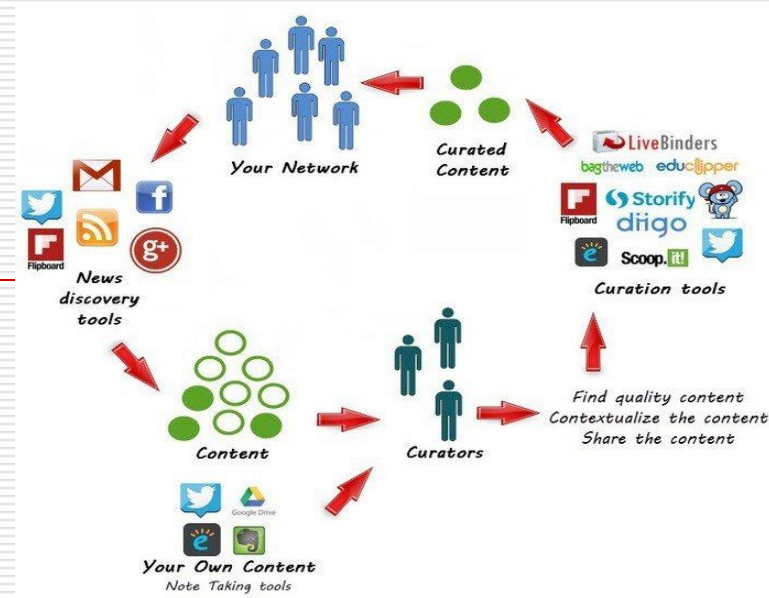
M-learning (micro-, mobile-)

Social learning

Invisible-, adaptative-

Reading and writing!

Digital Literacy, **Curiosity**



Challenges



Human factor of curation is added value
compared to algorithms: selection, editorialisation

But

Human dependency is the limit

Day to day duty of teachers, researchers like
« walking the dog »

**Individualism of teachers and
researchers: reluctance to share**



Permanence of tools



Summary



- In my experience, one of the best curation tools on the web for serious information
 - Crawling engine and enrichment capacities
- A virtual scientific news « journal » and database easy to browse with pictures
 - For information literacy and **curiosity**
 - Search engine inside is a major asset
- The **human factor of curation** is the **added value** compared to robots (SEO): selection, editorialism
- And *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>)

IUIS/ICSU with Michelle Letarte

Now: Emeritus, OKCC/C30

And Sino-French Medical Training programs (Wuhan
and Kunming)

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

<https://fr2.slideshare.net/gcfaure>

No conflict of interest to declare