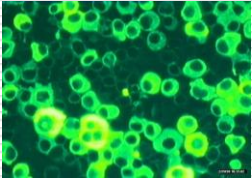


Content Curation:

A tool for Teaching and Learning

In high education and corporate settings



GC Faure MD, PhD
Immunologie et CREM
Université Lorraine, Nancy



F Arnal, CPGE Lycée C Fauriel, St Etienne

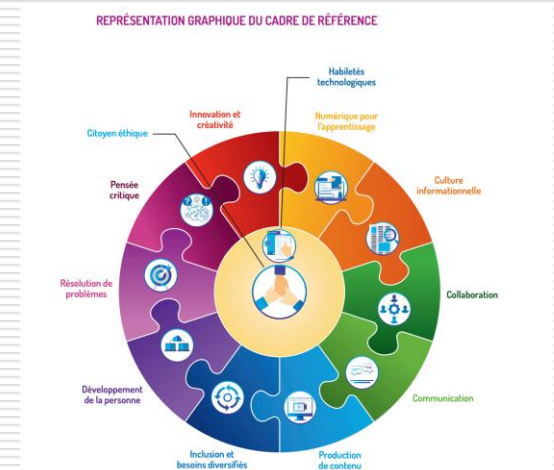


EDULEARN20



Objectives and Challenges

High Education : Populations
Competencies, Employability and skills
Health literacy



Corporate settings: Workforce
Competencies, Efficiencies
Innovation

Overview

Context:

Collective knowledge

Infobesity

Information Literacy

Curation: Tools... **Scoop.it**

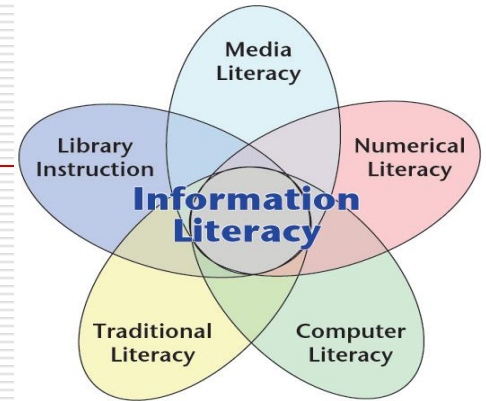
Medical Immunology

Geography

Lighting Industry

**Connected learning,
Blended learning and more**

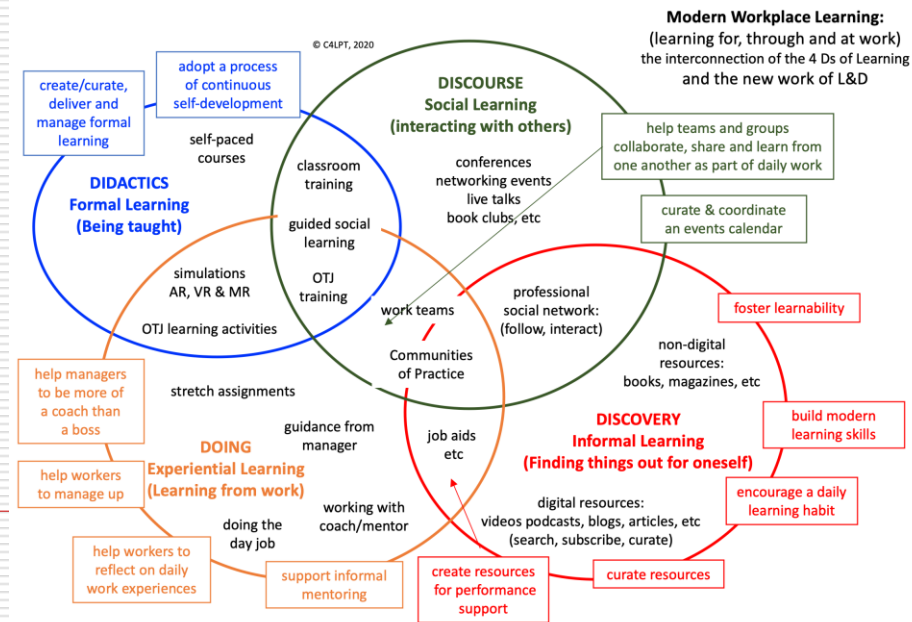
Advantages and challenges



Collective knowledge and Investigative intelligence

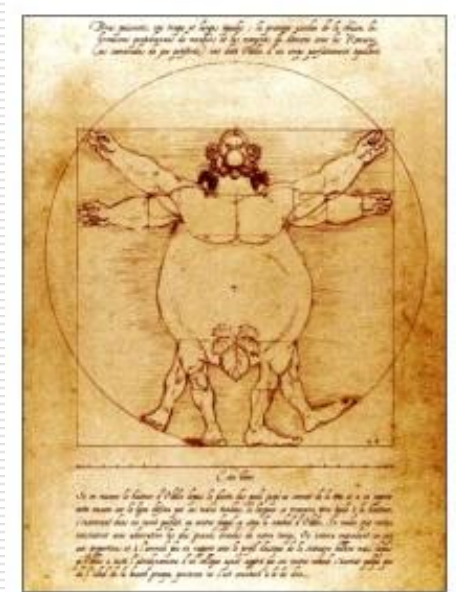
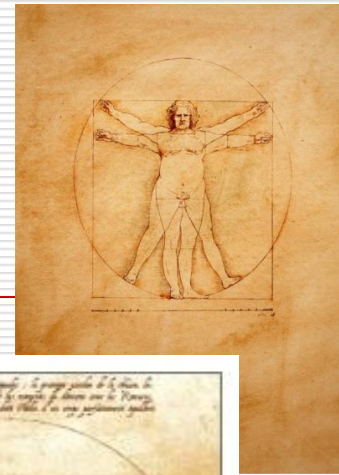
Before: Libraries

Now:



INFOBESITY

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



Information Literacy (IL) in higher education:

- Society 2020

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



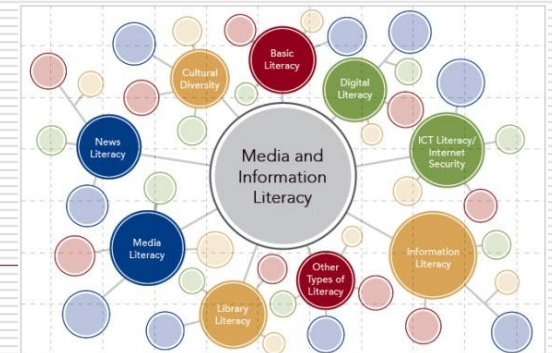
- OCDE and UNESCO: (MIL) Media and Information Literacy

Recognize needs of information!!

Localize information!

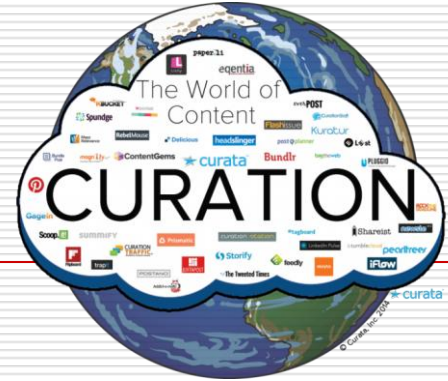
Select information

Organize information



Health Literacy

Content CURATION for Blended Learning



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)



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

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



Curating information is

reading and writing

Title

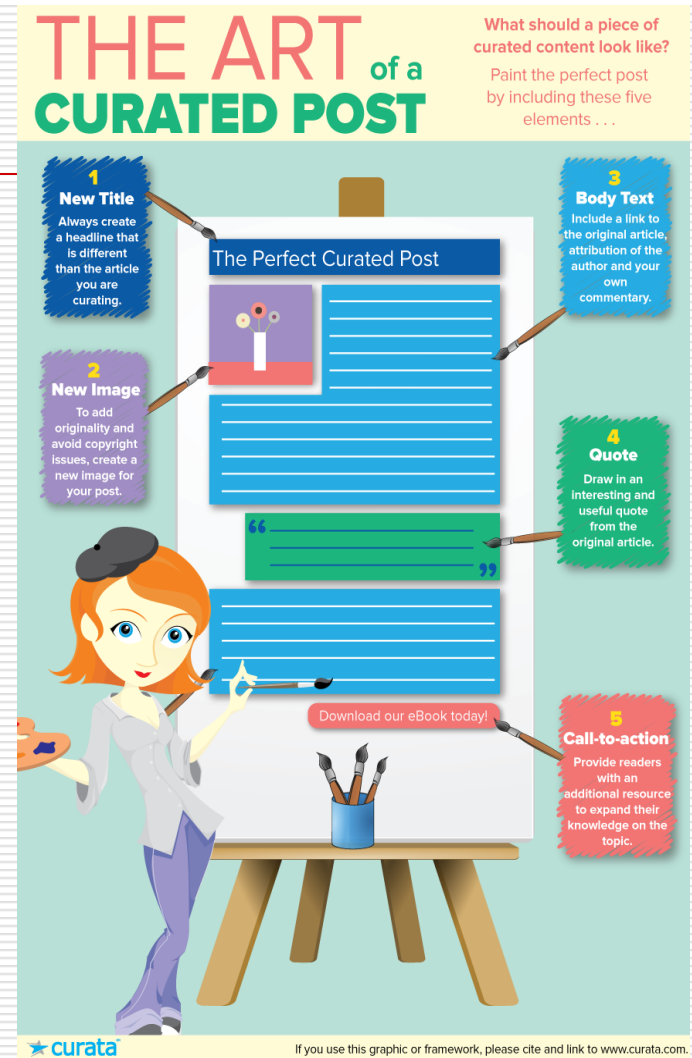
Illustration

Summary

Comments

Tags: Keywords

Snippets of information

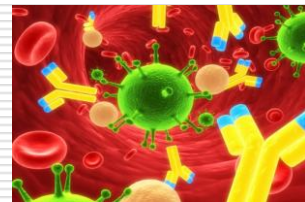
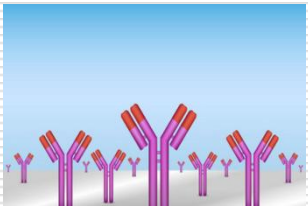


Immunology:

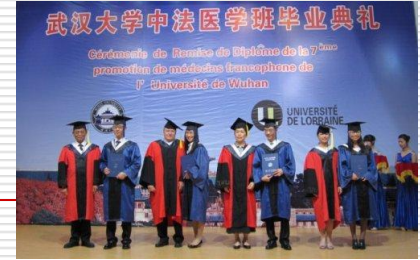
Topics covered by teachers (GCF et al.)



- Basic Science, Biotechnologies, BioTherapies
 - **Immunology (>7.3K scoops, >94.5K visitors, >120K views)**
 - From Flow Cytometry to Cytomics (>4.5K scoops, >14K visitors, >34K views)
 - Immunology and Biotherapies (>8.8K scoops, >13.4K visitors, >30.8K views)
 - Mucosal Immunity (>4.5K scoops, >17.5 K views, >5.5 visitors)
- **Immuno-Pathology**
 - Autoimmunity, (>4.1K scoops, >14K views)
 - Allergy and clinical immunology



Topics covered by 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*
- 10 chinese + 20 french students
- Topics related to medicine and biology



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

Foreign language usage

Geography by F.Arnal



- « Classes préparatoires littéraires »: (Hypo/Khâgne St Etienne) #50 + 40 students during >5 years
- Teacher Activities*: curation with Scoop.it, paper.li of a general topic (>1K posts, 33K vues) and focusing on annual topic China, Brasil...
- Students Activities*: curation with Scoop.it, Pearltrees, Pinterest
- Sharing on Twitter, Facebook

Evaluation: qualitative and quantitative

Openings for language learning



Topics / by students

J.Vignat

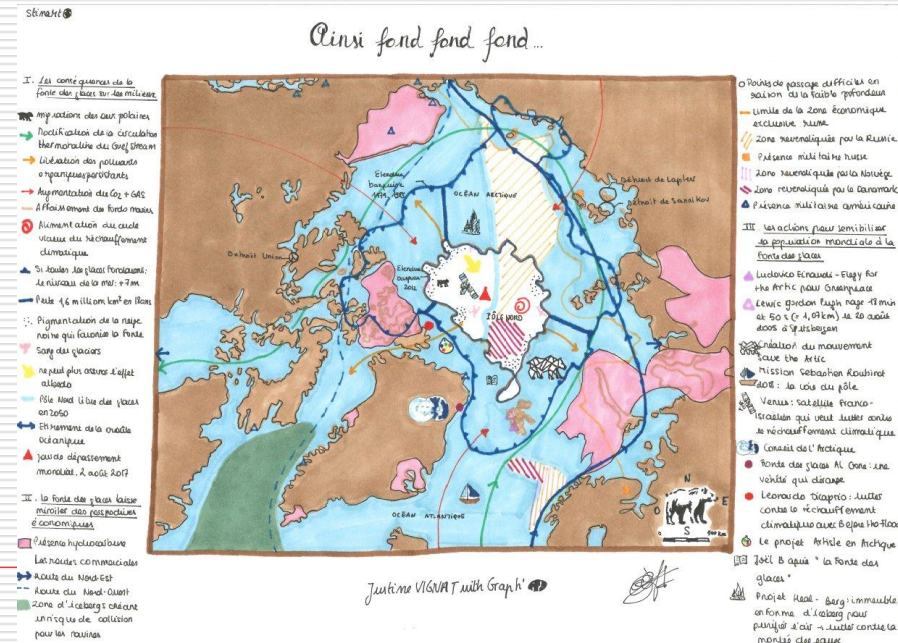
Ice melting 400 posts >15K views

Topics Gold: China, Russia.

Silver: Imagination, Art in cities

>1K views : Tourism and TV series, Rock music, Earthquakes

Activity pursued /future
journalist /map prof with
social networks



Street and Public LIGHTING by and for professionals

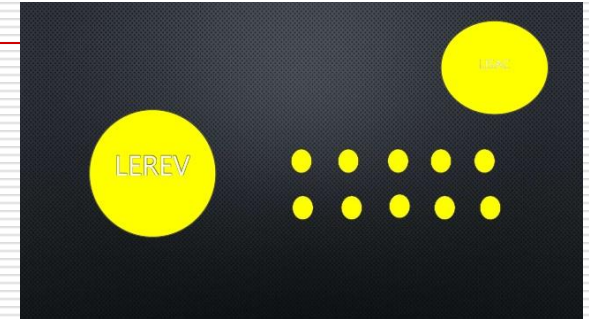
LEREV/LiSaC

Lighting Innovation Design

- Companies, technical developments (LEDs, solar, smart cities...), commercial achievements (local and abroad..)
- Societal concerns: light pollution, security costs...

Lighting in Art

Lighting in History



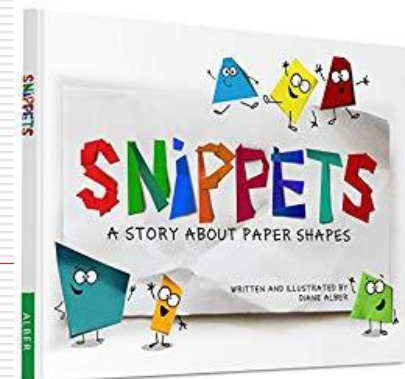
Finding information

Focus 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

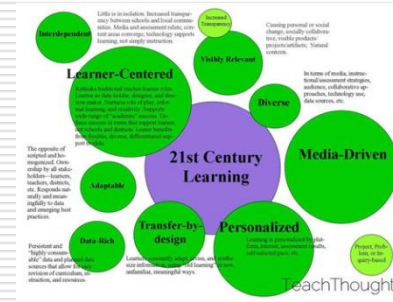
Tagged, commented, discussed
Attractive (images)

Shared on other networks (Twitter, LinkedIn
(25) Facebook, Google+
Via e-mails, newsletters

Content Hub searchable



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



Benefits for research trainees

- (1) Building of 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 »



Benefits for teachers and researchers



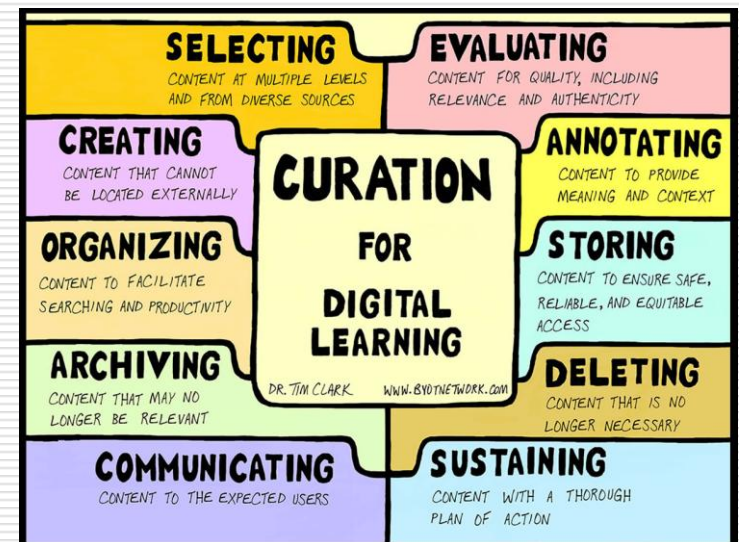
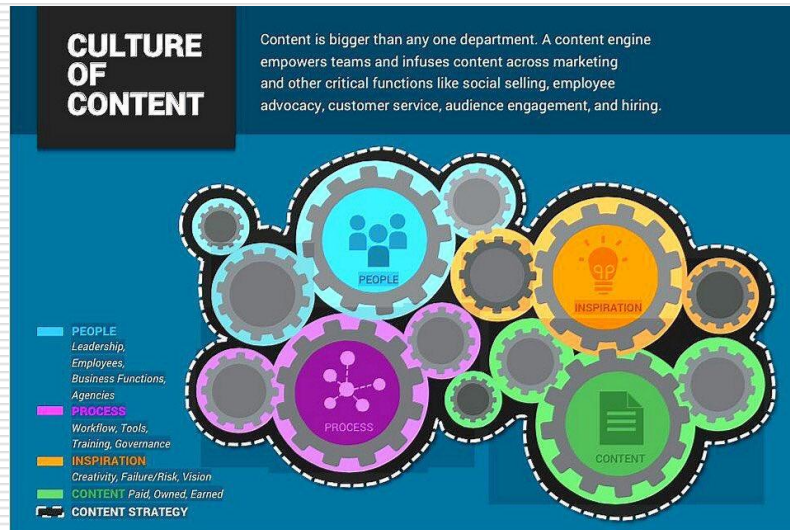
- (1) **To keep abreast of information** scientific (and societal) for CPD and *e-learning*
- (2) Building **leadership** in specific areas
- (3) Joining specialists networks and interest **communities**



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

Benefits for professionals

Collective intelligence
Learning while working
Microlearning
Life long learning



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

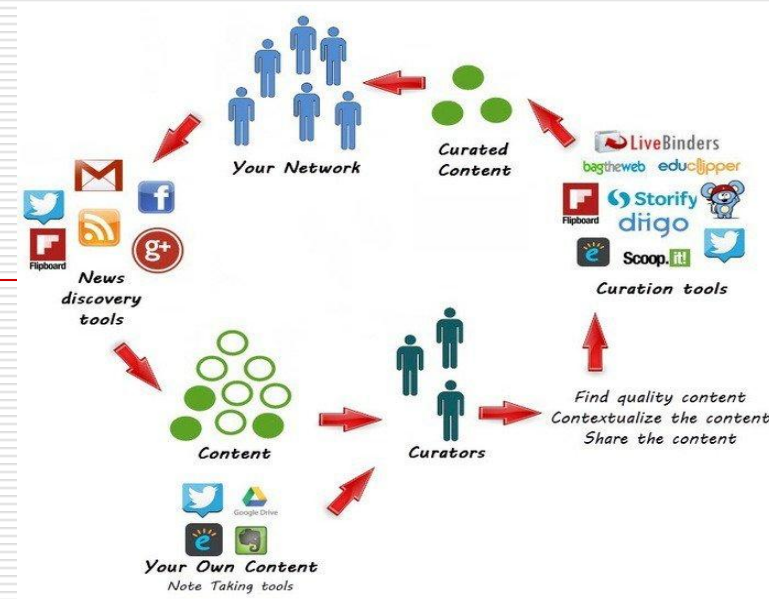


Permanence of tools



Online learning Connected Learning

Blended learning,
E-learning,
Self-learning
M-learning (micro-, mobile-)
Invisible-, adaptative-



Reading and writing!
Digital Literacy, **Curiosity**



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>)

Now

OKCC/C30

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

No conflict of interest to declare

