



The 21st-Century Library: online & open



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CONTEXT

1) Changes for the whole university community

- **Students**

Lifelong learning concept: Learning as a continuous process

Content creators

- **Teachers**

Learner-focused teaching exercises

- **Researchers**

Key role in making their institutions more attractive

- **Libraries**

Support people in achieving their goals

Meeting point for the university community



CONTEXT

2) Digital world: Information everywhere, at anytime

- Information available where users are
- 24x7 access

3) Electronic publishing revolution

- New ways of disseminating

4) Mindset change

Information as a product that is both consumed and created



OPEN MOVEMENT

What is this?

A worldwide movement that defends free access to the scientific outcomes for anyone through the Internet

A great trend: open knowledge, open data, open source, etc

BBB basis

- [Budapest Open Access Initiative](#)
- [Berlin Declaration On Open Access to Knowledge in the Sciences and Humanities](#)
- [Bethesda Statement on Open Access Publishing](#)



OPEN MOVEMENT

Advantages for:

- ✓ Authors: more control over research outcomes
- ✓ Institutions: more visibility
- ✓ Users: more democratic access to knowledge
- ✓ Research: more wealth
- ✓ Learning: more opportunities

Main goal

- ✓ Improve knowledge by better access to information; greater impact



OPEN MOVEMENT

Why open access? Piled Higher and Deeper (PHD Comics) explain it to us with a [comic](#)

Some interesting initiatives

- ✓ [SPARC](#) Scholarly Publishing and Academic Resources Coalition
- ✓ [PLoS](#) Public Library of Science
- ✓ [Digital Commons Network](#)
- ✓ [SciELO](#) Scientific Electronic Library Online



CREATIVE COMMONS

- **Part of Copyleft movement:** Copyright *versus* Copyleft in [1 minute](#)
- **Licences** for open access
- **Creative commons**, how does it work?

David Hopkins explains it to us in his [Technology Enhanced Learning Blog](#)

- **Why** is important to know about these licences?
- ✓ Ethical use of other authors' work.
- ✓ Communicate how you want other authors to use your own work.
- ✓ [How get a creative commons licence](#)



REPOSITORIES and HARVESTING TOOLS

- ✓ Make your institution's research outcomes readily available
- ✓ Gain visibility through researchers' work
- ✓ Preserve your scientific production
- ✓ Decrease dependence on publishing companies in the disseminating process
- ✓ Public funding return to citizens
- ✓ ...but can I publish my work in a open access site? Make sure first at [SHERPA RoMEO](#)



REPOSITORIES and HARVESTING TOOLS

Some greatest harvesting tools:

- ✓ OpenAire
- ✓ OAlster
- ✓ OpenDOAR
- ✓ Scientific Commons



MOOCs and OER

Massive Open Online Courses and Open Educational Resources

- ✓ Part of open education movement
- ✓ New dissemination channels for libraries reference services
- ✓ Powerful tools for promoting and managing e-learning materials
- ✓ Free access to knowledge, regardless of where you are
- ✓ Institutions that offer MOOCs and OER gain visibility



MOOCs and OER

Massive Open Online Courses and Open Educational Resources

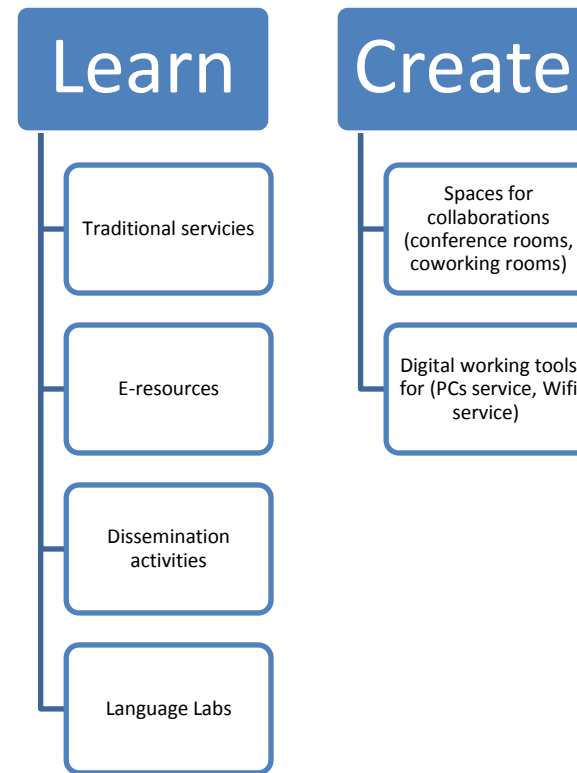
Some useful sites

- [EdX](#)
- [OpenCourser](#)
- [Udacity](#)
- [MOOC List](#)
- [Class Central](#)
- [OER Commons](#)



LEARNING RESOURCES CENTRES

Libraries as meeting points for learning and creating



LEARNING RESOURCES CENTRES

Some features

- Both physical and digital library dimension
- Focused on users' needs
- A new way of delivering reference services
- Meeting point for elearning initiatives
- Libraries makerspaces: powerful tool for promoting lifelong learning, digital competences and entrepreneurship competences ([Guide to makerspaces](#))



FINAL CONCLUSIONS

- ✓ Lifelong learning needs new spaces
- ✓ Libraries' role in supporting learning and creation initiatives
- ✓ Open movement as an alternative to large companies
- ✓ Take advantage of the digital world: share and collaborate
- ✓ Empower people through free access to knowledge



Thank you for your attention!

María del Rocío Moreno Quirós

mquiros@us.es



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