

Benefits of Open Science for Students

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<http://github.com/koalha/oaweek2016>

What is Openness in the context of research and higher education?

Open science is the movement to make scientific research, data and dissemination accessible to all levels of an inquiring society, amateur or professional.

Wikipedia article on Open Science

Why is Openness important for students?

Higher education often hampered by hassle with licences and copyright.

Lecture materials and articles are often distributed illegally or as useless versions stripped of copyrighted material.

Textbooks are in short-supply and/or contain outdated information.

University provides for its students, but what about after graduation?

What types of Open are there?

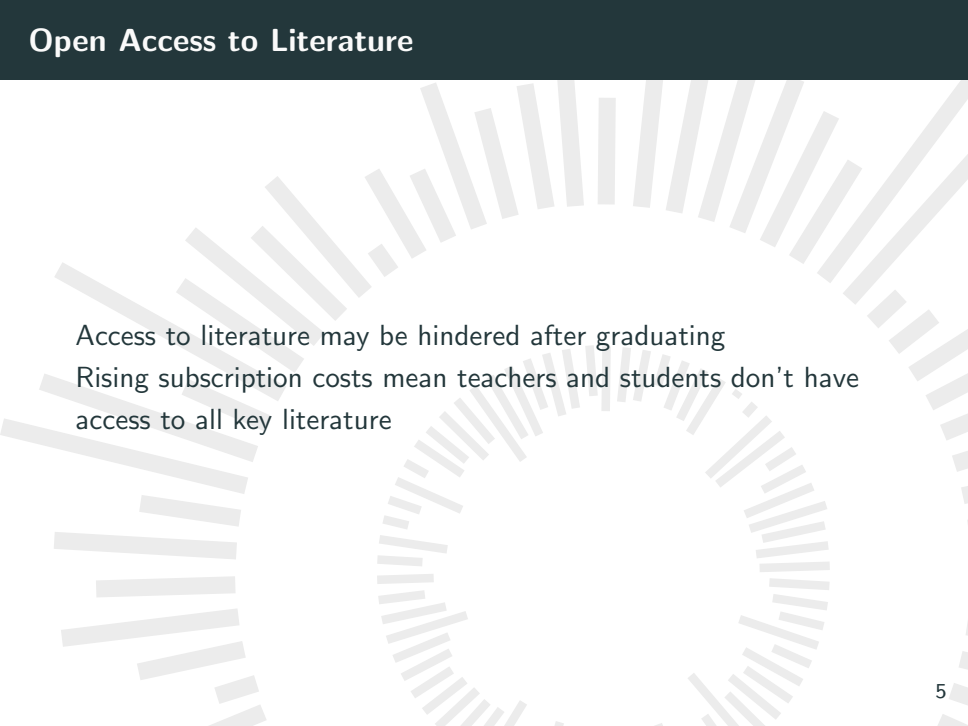
1. Open Educational Resources
2. Open Access to Literature
3. Free Software

Open Educational Resources

Textbooks cost money

Copyright laws make distributing educational materials (such as lecture slides) illegal

Open Access to Literature



Access to literature may be hindered after graduating
Rising subscription costs mean teachers and students don't have
access to all key literature

Free software

Use of proprietary software doesn't allow training at home

Many software providers offer affordable student licences, but graduating might mean being reliant on software whose licences cost hundreds or thousands of dollars.

Free software - example



	ESRI ArcGIS	QGIS
Student licence	free to use via VPN	Free
Licence for personal use	100 \$ / year	Free
Licence for commercial use	1500 \$ / year	Free

Interested in openness?

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