HERMES
Strengthening Digital Resource Sharing During COVID And Beyond

HERMES Training Activities (O1)

Introduction to Open Access

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Outline

- What is open access?
- A Brief History of Open Access
- Why use open access?
- Ways of open access publishing:
  - Green Open Access
  - Golden Open Access
  - Diamond Open Access
- Open Culture Ecosystem (Sample project review)
  - Open Hardware
  - Open Software
  - Open Access
  - Open Data
  - Open Education
  - Open Licenses
- Being a part of open culture

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What is Open Access?

Open access is a broad international movement that seeks to **grant free** and **open online access** to academic information, such as **publications** and **data.**

A publication is defined 'open access':

- when there are no financial, legal or technical barriers to accessing it
- that is to say when anyone can **read**, **download, copy**, **distribute, print**,
- search for and search within the information,
- or use it **in education** or **in any other way** within the legal agreements.

https://www.openaccess.nl/en/what-is-open-access

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A Short Definition

Open access (OA) is a set of principles and a range of practices through which **research outputs** are distributed online, **free of access charges** or **other barriers.**

Peter Suber, "Open Access Overview".
http://legacy.earlham.edu/~peters/fos/overview.htm

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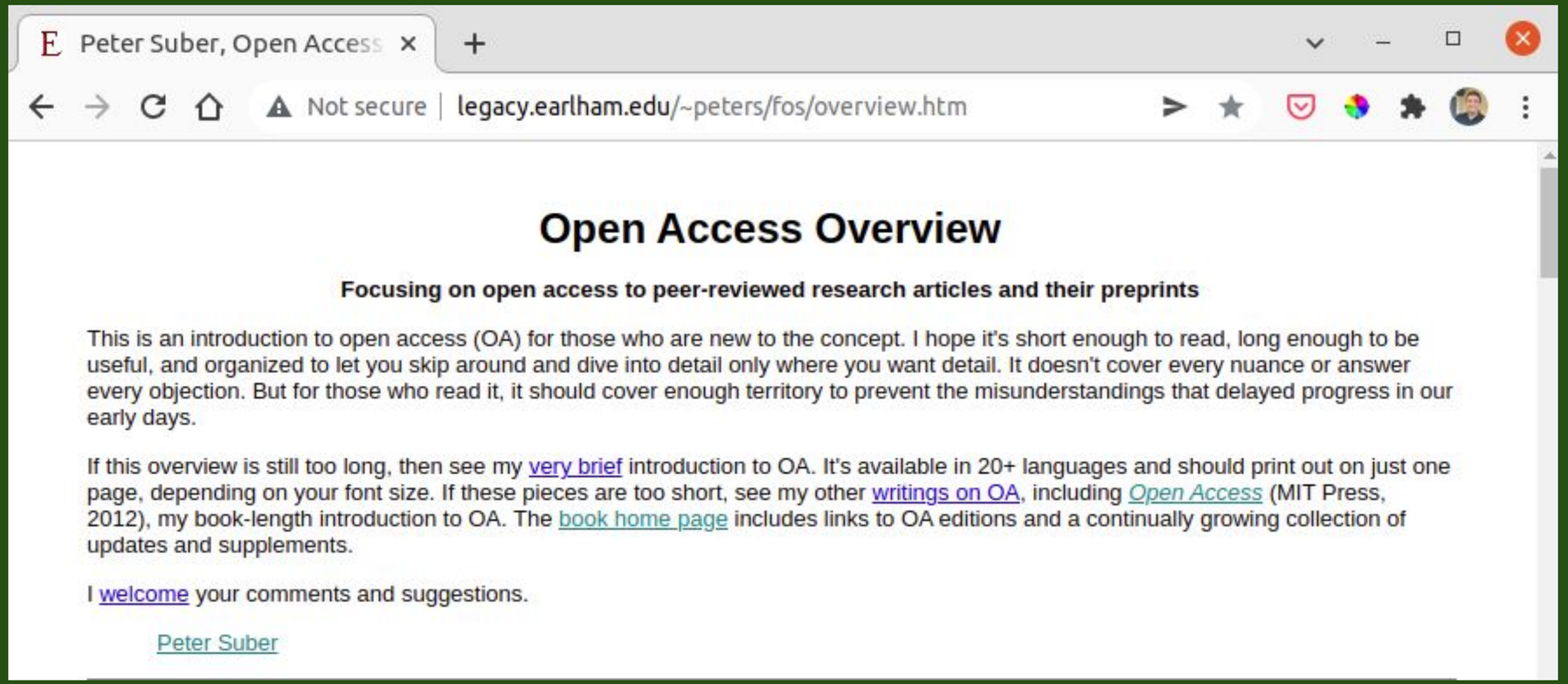
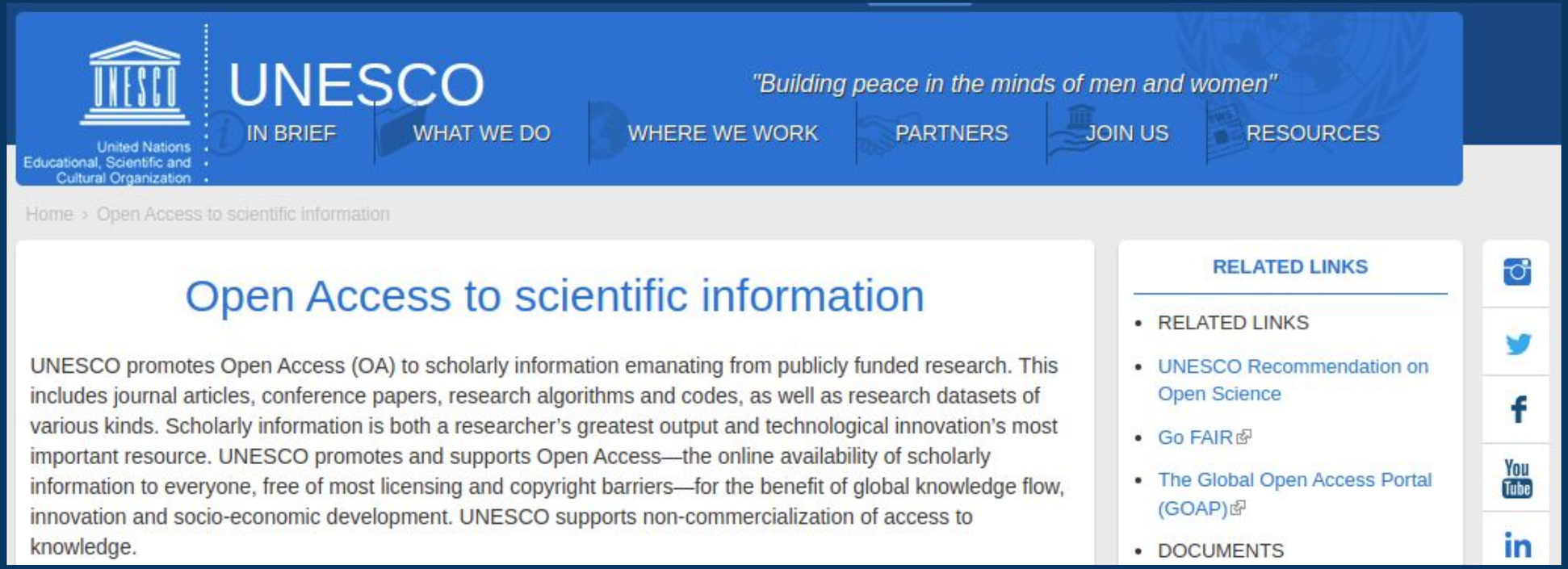
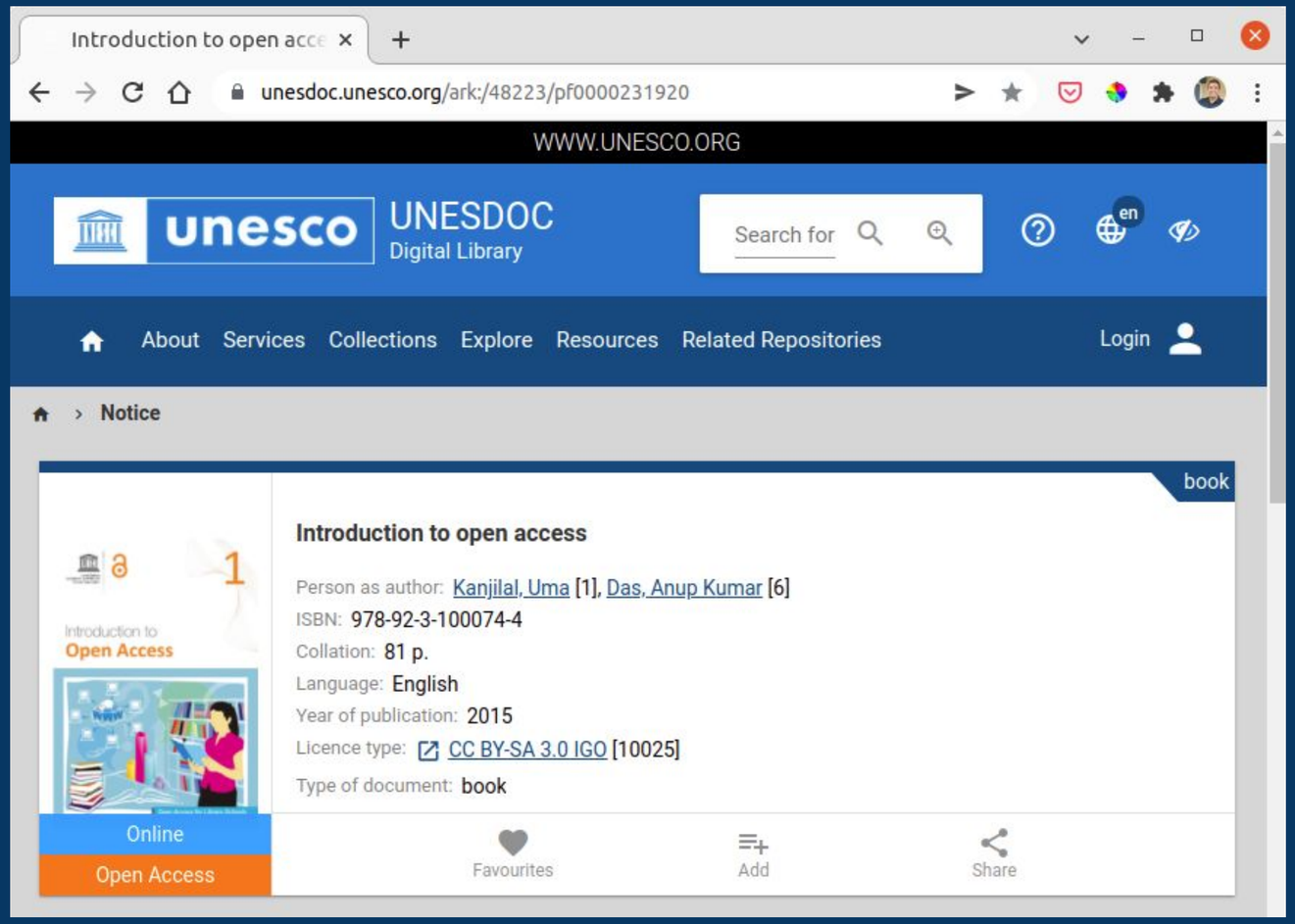
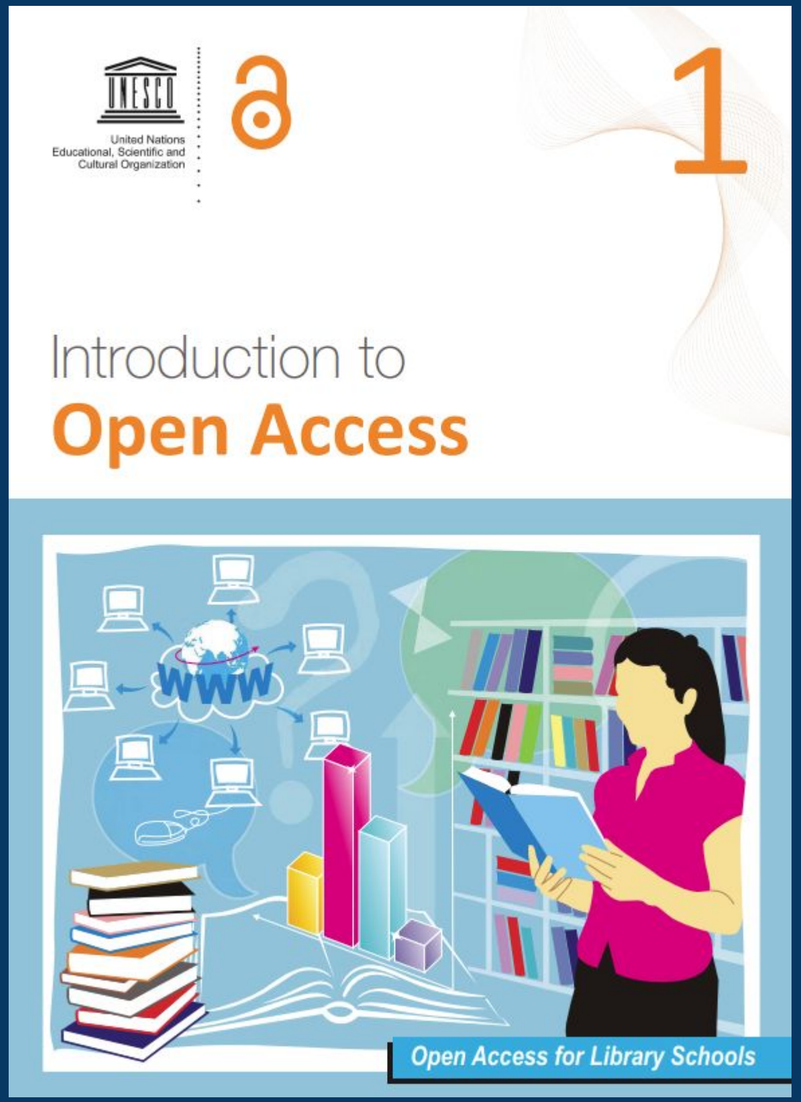


"I hope it's short enough to read,
long enough to be useful,
and organized to let you skip around and
dive into detail only where you want detail."



https://en.unesco.org/themes/open-access-scientific-information





https://unesdoc.unesco.org/ark:/48223/pf0000231920

Açık Erişim Türkiye

Açık Erişim Nedir?

Açık erişim genellikle yüksek abonelik ücretlerinden kaynaklanan bilimsel çıktılara sınırlı erişim sorununu irdeler. **Okuyucunun bilimsel bilgiye (makaleler, kitaplar, araştırma verileri) ücretsiz erişimini** ve bu bilgilerin lisanslanarak araştırmacılar, sanayi ve vatandaşlar tarafından daha çok kullanılmasını **sağlayan uygulama**dır.

Budapeşte Açık Erişim Girişimi'nin (BOAI) ve Açık Erişim Berlin Bildirgesi'nin (Ekim 2003) açık erişim tanımları önemlidir.

BOAI'nin tanımına göre açık erişim, "bilimsel literatürün İnternet aracılığıyla finansal, yasal ve teknik bariyerler olmaksızın, erişilebilir, okunabilir, kaydedilebilir, kopyalanabilir, yazdırılabilir, taranabilir, tam metne bağlantı verilebilir, dizinlenebilir, yazılıma veri olarak aktarılabilir ve her türlü yasal amaç için kullanılabilir olması"'dır.

Ara ...

Beğen Paylaş Sen ve 394 diğer kişi bunu beğendiniz.

https://acikerisim.org/acik-erisim-nedir/

A Brief History of Open Access

- At the end of the 20th century, university librarians around the world found themselves in the middle of a big problem now known as the “serials crisis”.
- The serials crisis was the result of subscription costs for publications rising much faster than inflation.
- Simply no longer had money for all of the publications they wanted and were forced to make difficult choices between journals.
- On the other hand, through the world wide web, anyone with an internet connection could publish information.
- The full potential of sharing knowledge freely on the web was exemplified by the Free Software Movement, and various groups began putting their studies for access free.

For whole story: https://blogs.harvard.edu/openaccess101/what-is-open-access/what-is-open-access/

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Why use open access?

I have few questions for you:

- Who conducts publicly funded research?
- Who reports these research outputs (studies)?
- Who reviews these studies (articles, conference papers, etc.)?
- Who have to read these studies?
- Who have to pay to read or access these studies?

Do you have any idea?

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SAME PEOPLE

(Academics, medical doctors, scientists…)

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Why use open access?

- In order not to waste extremely valuable public funds.
- In order for all parts of the society (or any community) to benefit from the studies carried out with public funds.
- To provide equal opportunity in the field of research.

  AND of course

  To avoid paying for access to our own studies :)

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How to publish research outputs as open access?

Main concepts (roads) of open access publishing:

- **Green**
- **Gold**
- **Diamond**

Which one is more close to you?

(just think about the meaning of the word)

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Green Open Access

The green route: The full text of academic publications is deposited in a trusted repository, a publicly accessible database managed by a research organisation.

We can also describe as a self-archiving.

Self-archiving is the act of (the author's) depositing a free copy of an electronic document online in order to provide open access to it.

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Golden Route

- **Full Open Access journals:** publication via publisher platforms, in full open access journals. This route may involve a charge. The publication costs, known as ‘article processing charges’ (APCs), are covered by authors or by their institutions. Most research funders support open access and are willing to cover the costs themselves.

- **Hybrid Journals:** publication via ‘hybrid’ journals. These journals are subscription journals that allow open access publication of individual articles on payment of an Article Processing Charge (APC).

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Diamond Open Access

The diamond route: publication via diamond journals/platforms that do not charge author-facing publication fees (APCs).

Diamond open access journals are usually funded via library subsidy models, institutions or societies.

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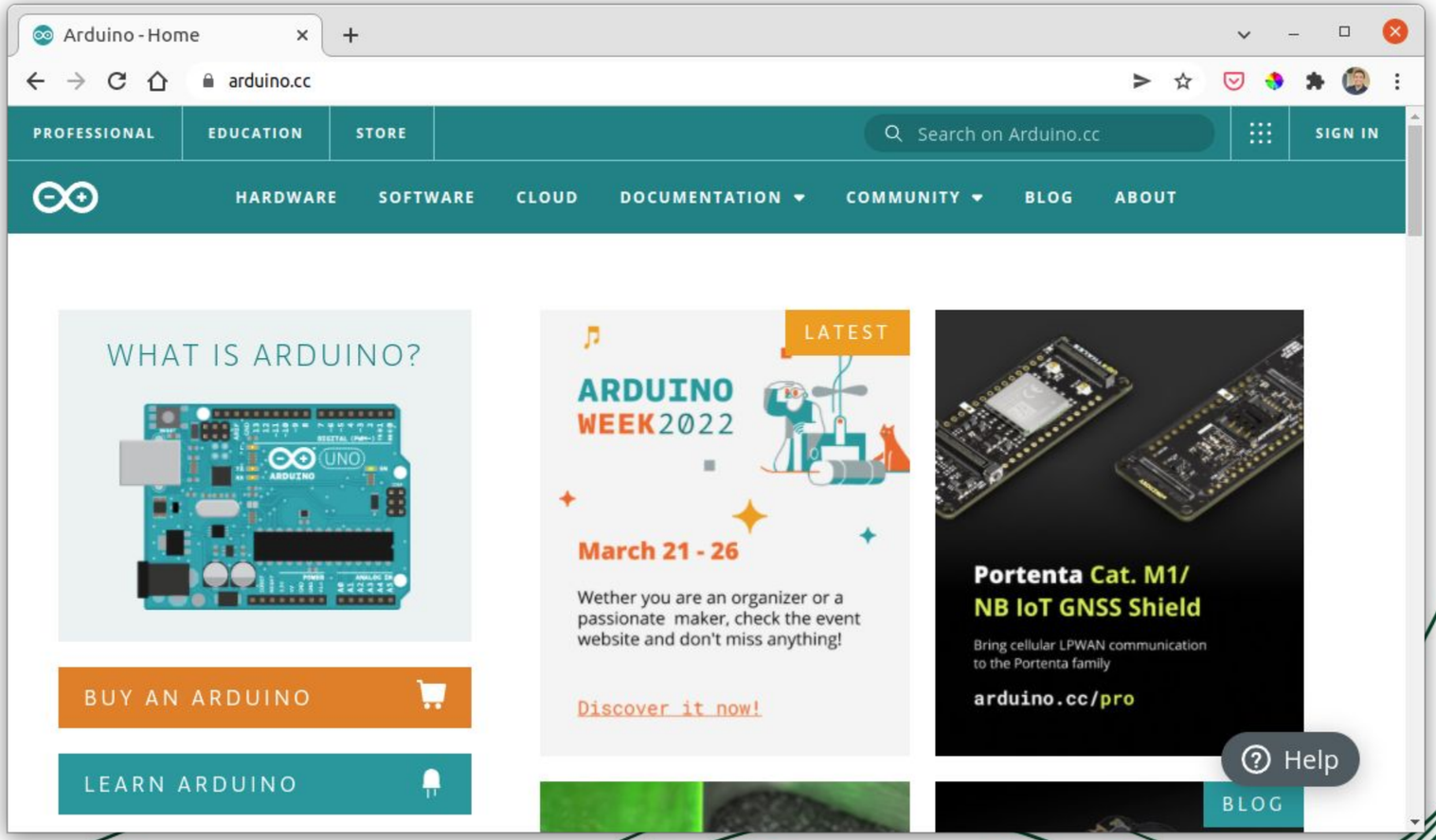
Open Culture Ecosystem

SAMPLE PROJECT



https://www.arduino.cc/

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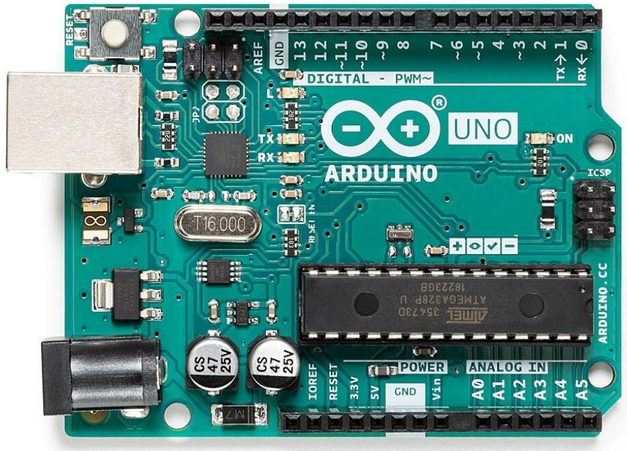
What is Arduino?

Arduino is an **open-source** electronics platform based on easy-to-use hardware and software. It's intended for anyone making interactive projects.



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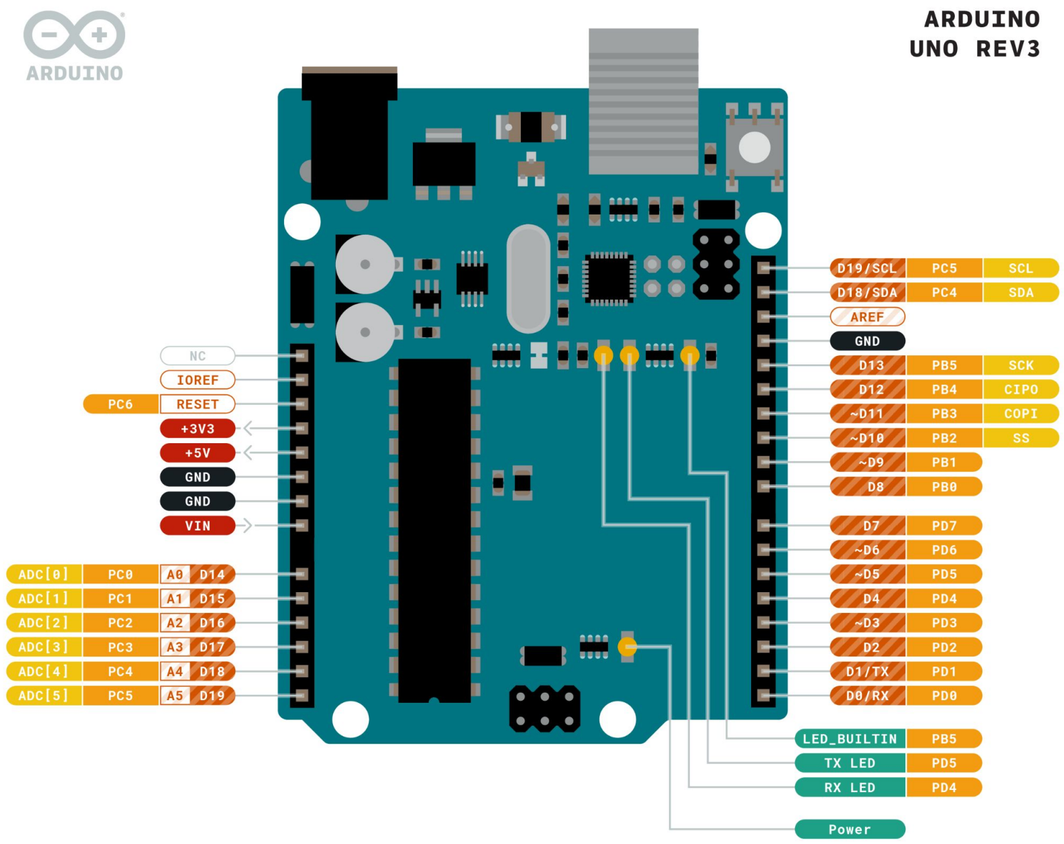
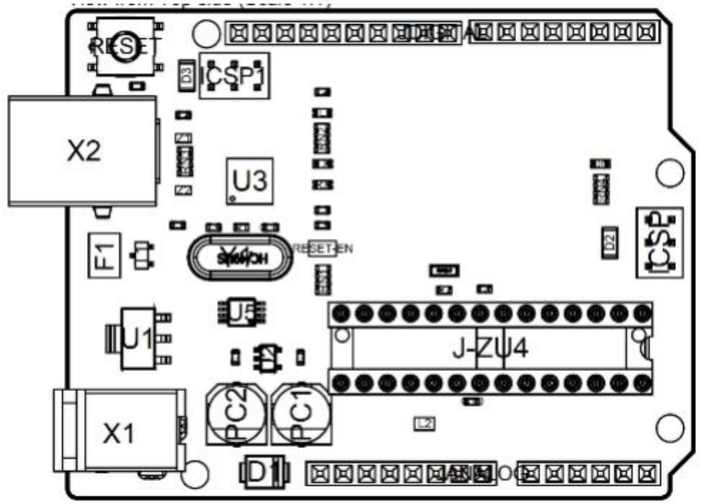
Open Hardware



3 Functional Overview

3.1 Board Topology

Top view



Board topology

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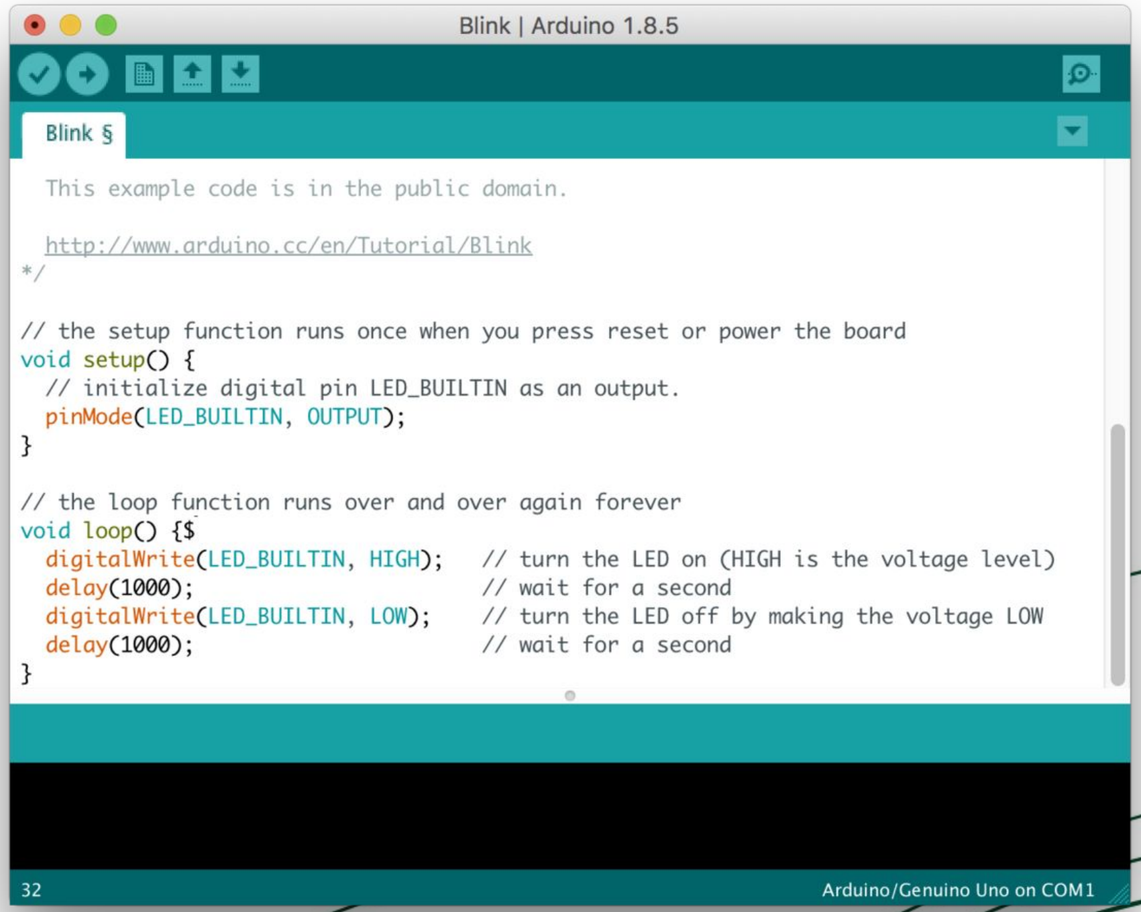
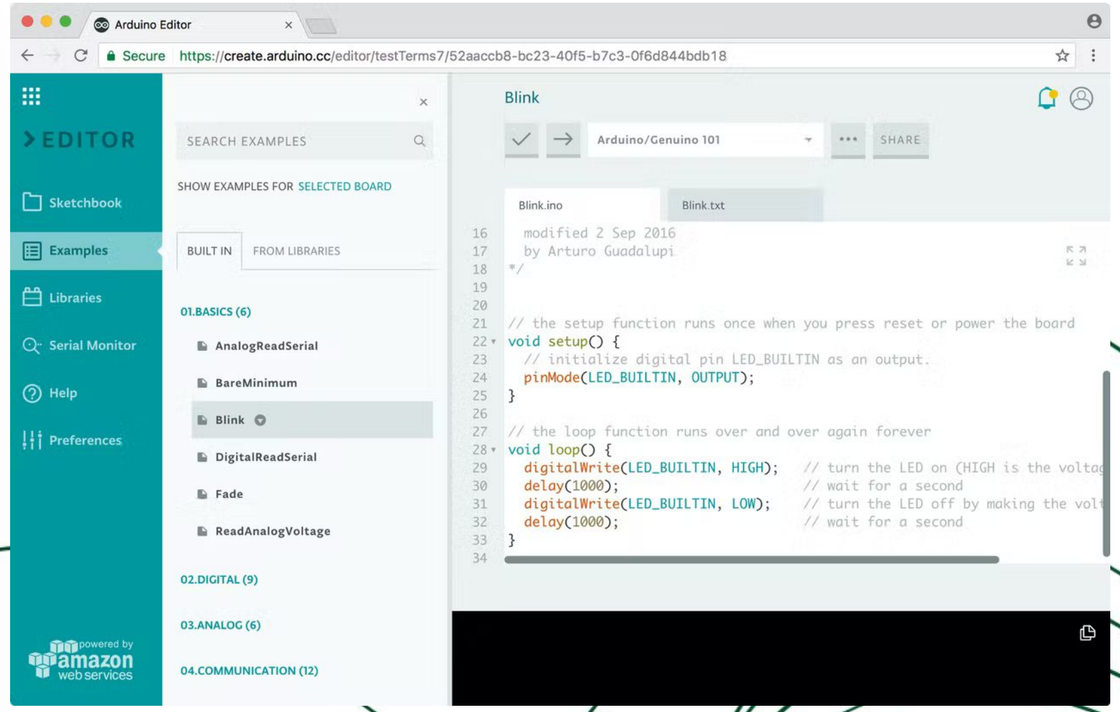
Open Software





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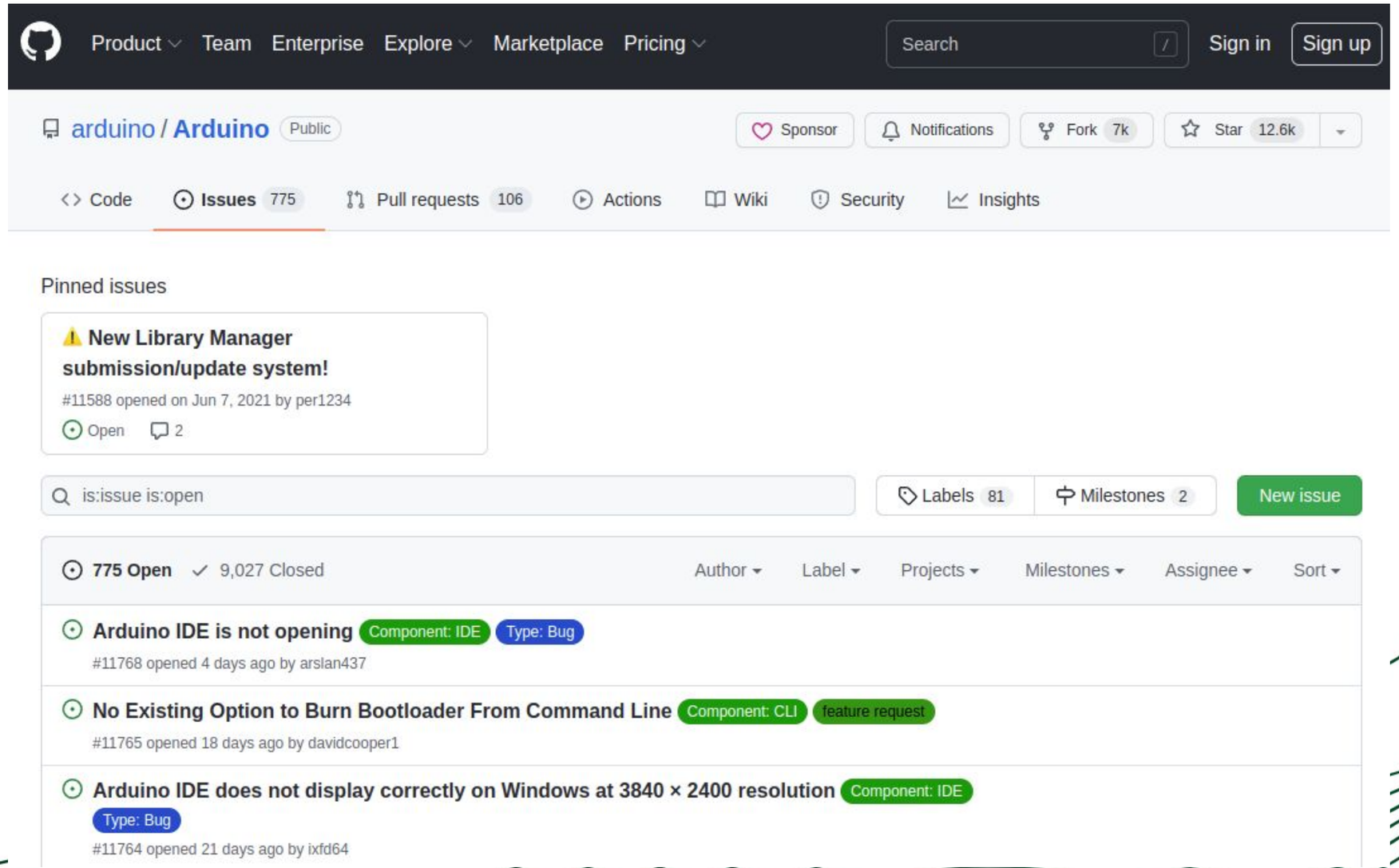
Open Community



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Open Access

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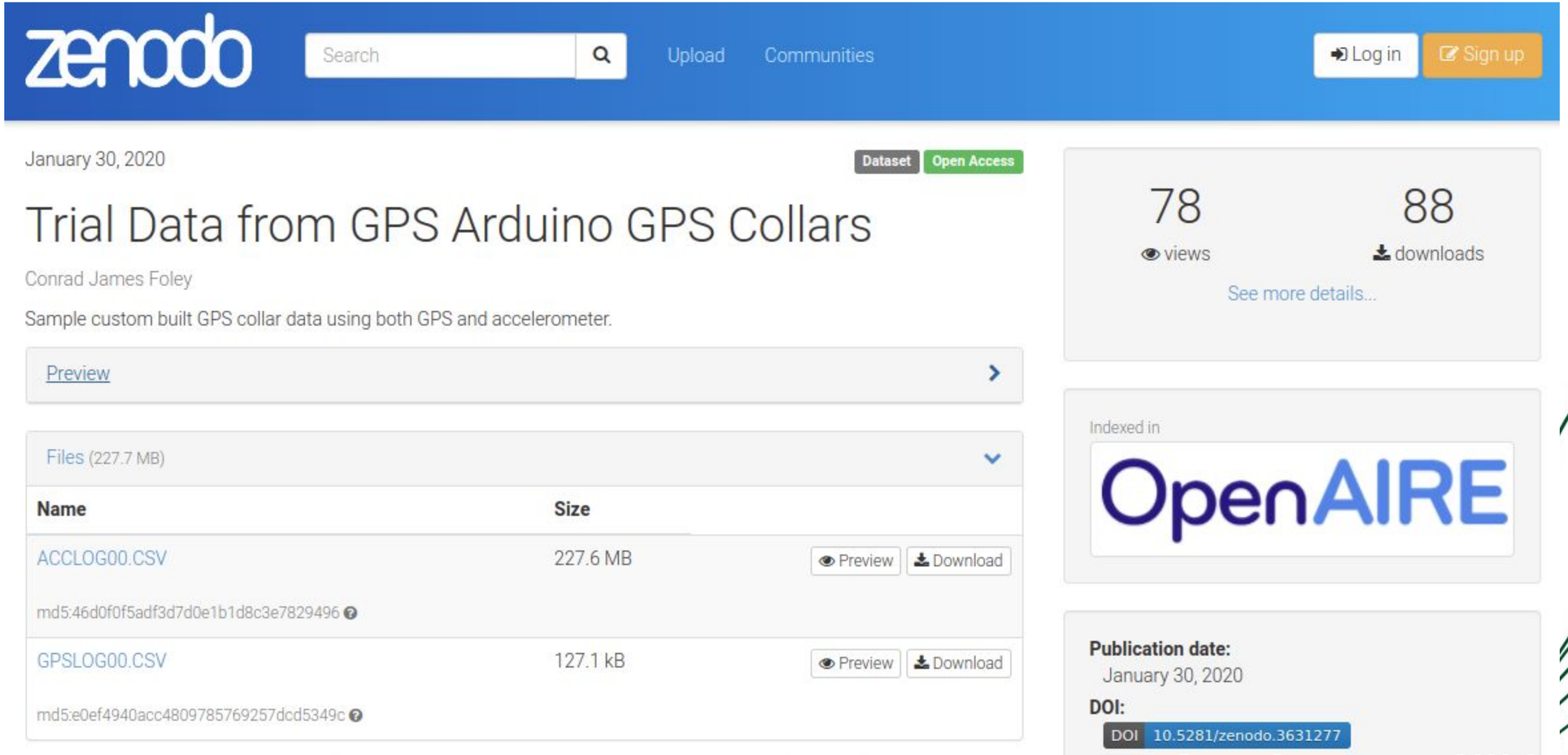
Open Data



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Open Education

MITOPENCOURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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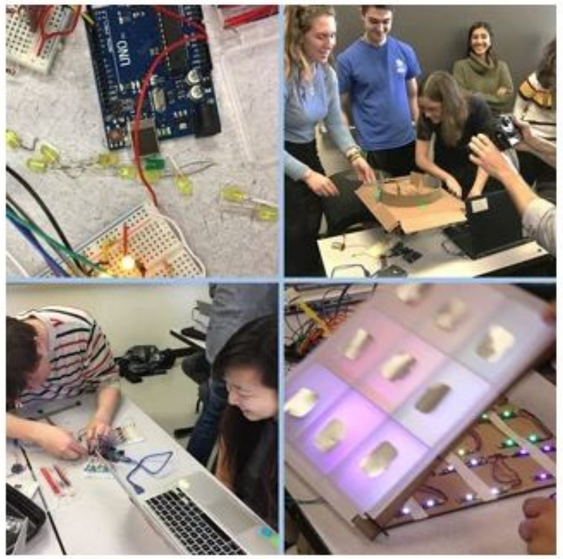
STUDENT PROJECTS

HOST YOUR OWN WORKSHOP



Students collaborated to design an Arduino prototype. (Image courtesy of Andrew Ringler.)

Author(s)
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Mark Vrablic
Abhinav Gandhi

CITE THIS RESOURCE

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It does not matter..!

Where you are

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It does not matter..!

Who you are

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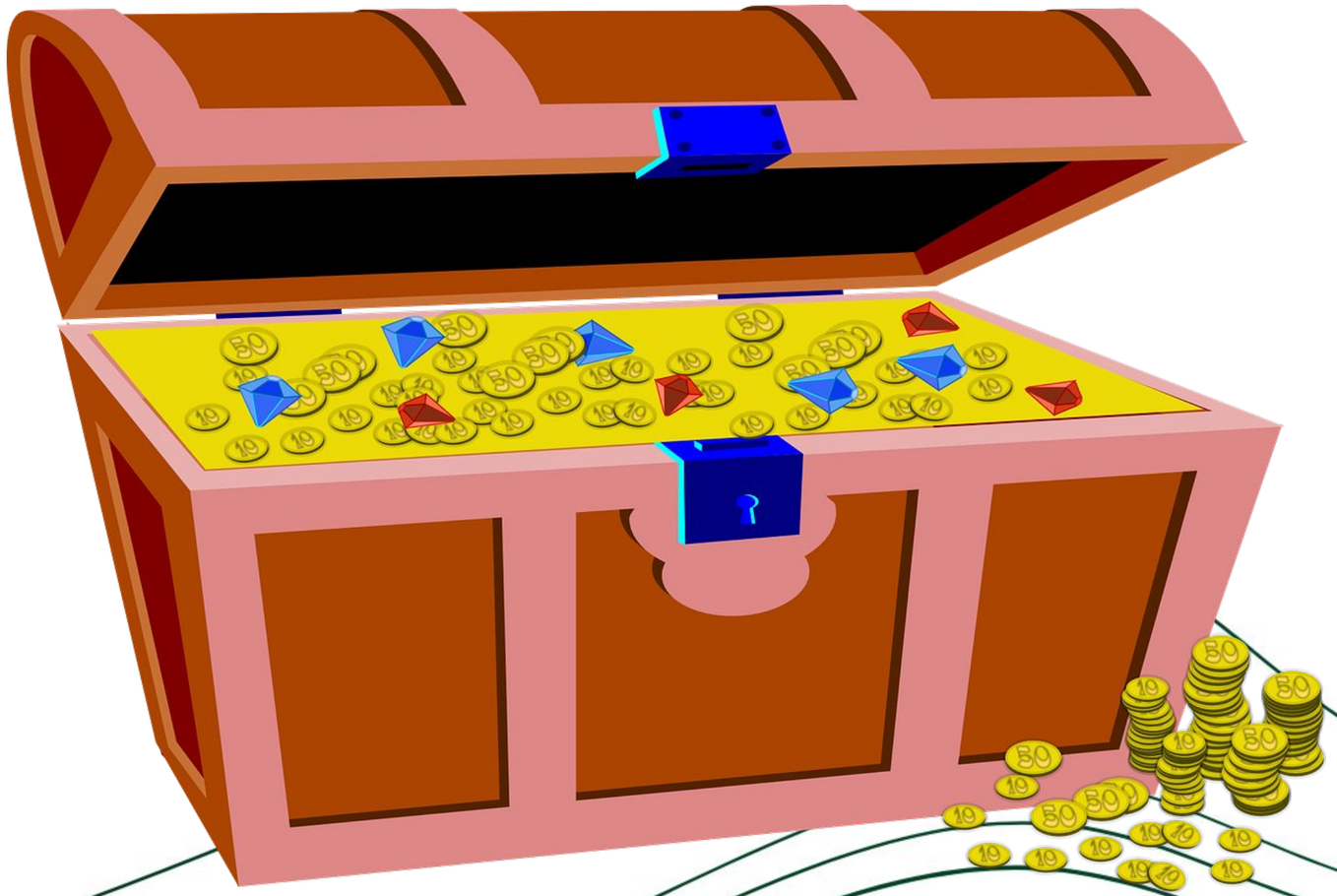
It does not matter..!

How much you earn



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Open Culture (Open Science)

Provides equal opportunity between

- students,
- scientist,
- countries,
- all the people!

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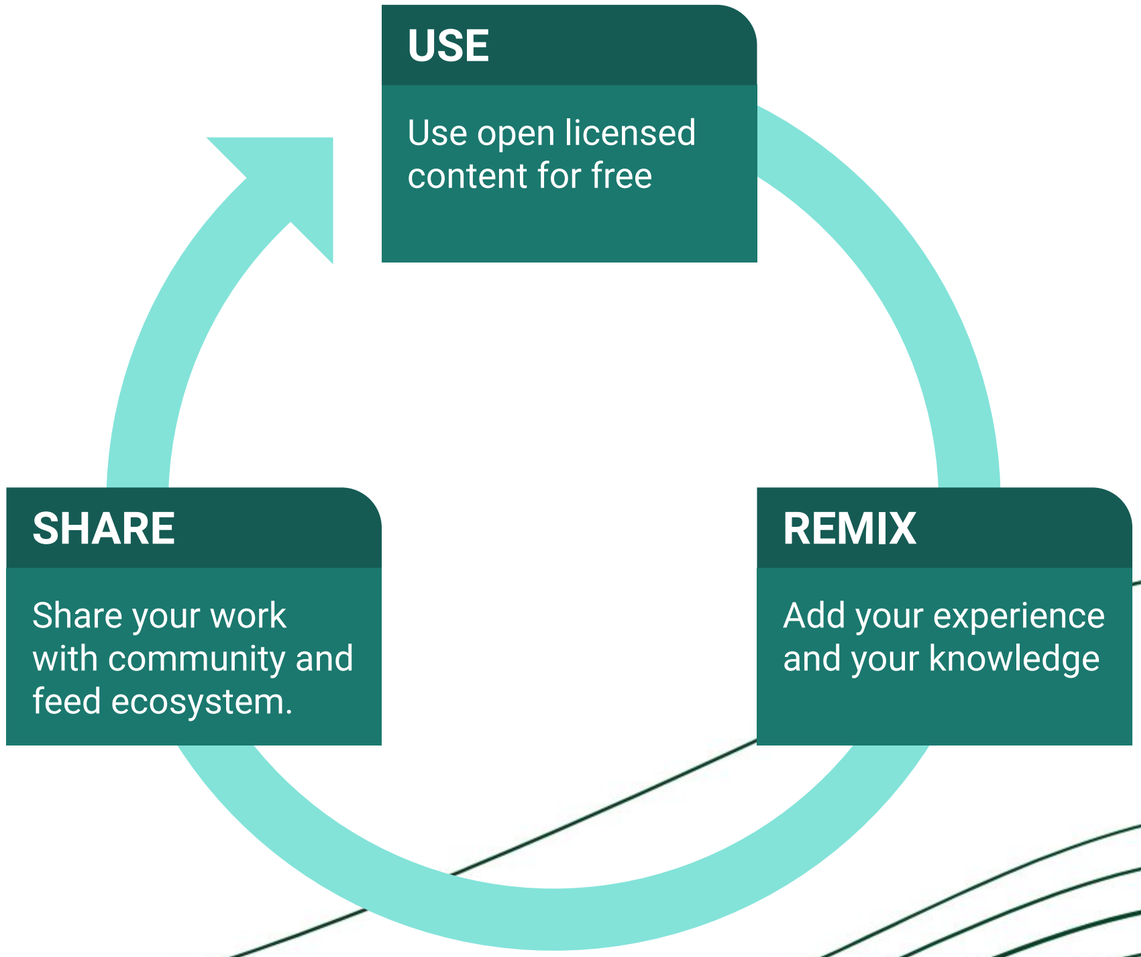
Being a part of open culture



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Questions & Answers

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Be a part of open culture :)

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