

# Libero Publisher: Freedom and flexibility for scholarly publishers



# Why eLife is building open source technology for publishing

# What is eLife?

hhmi | Howard Hughes  
Medical Institute



*Knut and Alice  
Wallenberg  
Foundation*

- A non-profit backed by **research funders** to drive reform in research communication
- We invest heavily in open-source technology development and innovation **on behalf of the community**

Helping scientists **accelerate discovery by**  
operating a platform for research **communication**  
that encourages and recognises **the most**  
responsible **behaviours in science.**

e L I

# eLife's motivations

- Leverage the **power of web technology** to accelerate research and discovery
- **Support open-access** publishing
- Build a **community-owned infrastructure** for all kinds of scholarly content providers

# What are the main infrastructure options?

A photograph of railroad tracks curving through a lush green forest. Overhead power lines and support structures are visible. The scene is bright and sunny. Two text boxes are overlaid on the image: a blue one on the left and a red one on the right.

Buy  
an  
infrastructure

Build  
your own  
infrastructure

# Buy a proprietary solution

- You risk a **strong dependence** on a single provider
- There is reduced competition for **feature customisations**
- There can be a lack of **transparency**



# If you build your own solution

- Requires a **big upfront investment**
- **Maintenance** and keeping up with the standard can be difficult
- Need to keep up with **fast moving technology**

A scenic landscape featuring a dirt road that curves through a vineyard on the left and tall grass on the right. In the background, there are rolling hills and mountains under a bright, hazy sky, suggesting a sunset or sunrise. The sun is low on the horizon, creating a warm, golden glow. The text "Shared open-source infrastructure" is overlaid in the center in a white, sans-serif font on a dark purple rectangular background.

# Shared open-source infrastructure

# Building an end-to-end solution

Libero Reviewer

Libero Producer

Libero Publisher



# Building an end-to-end solution

Libero Reviewer

Libero Producer

Libero Publisher

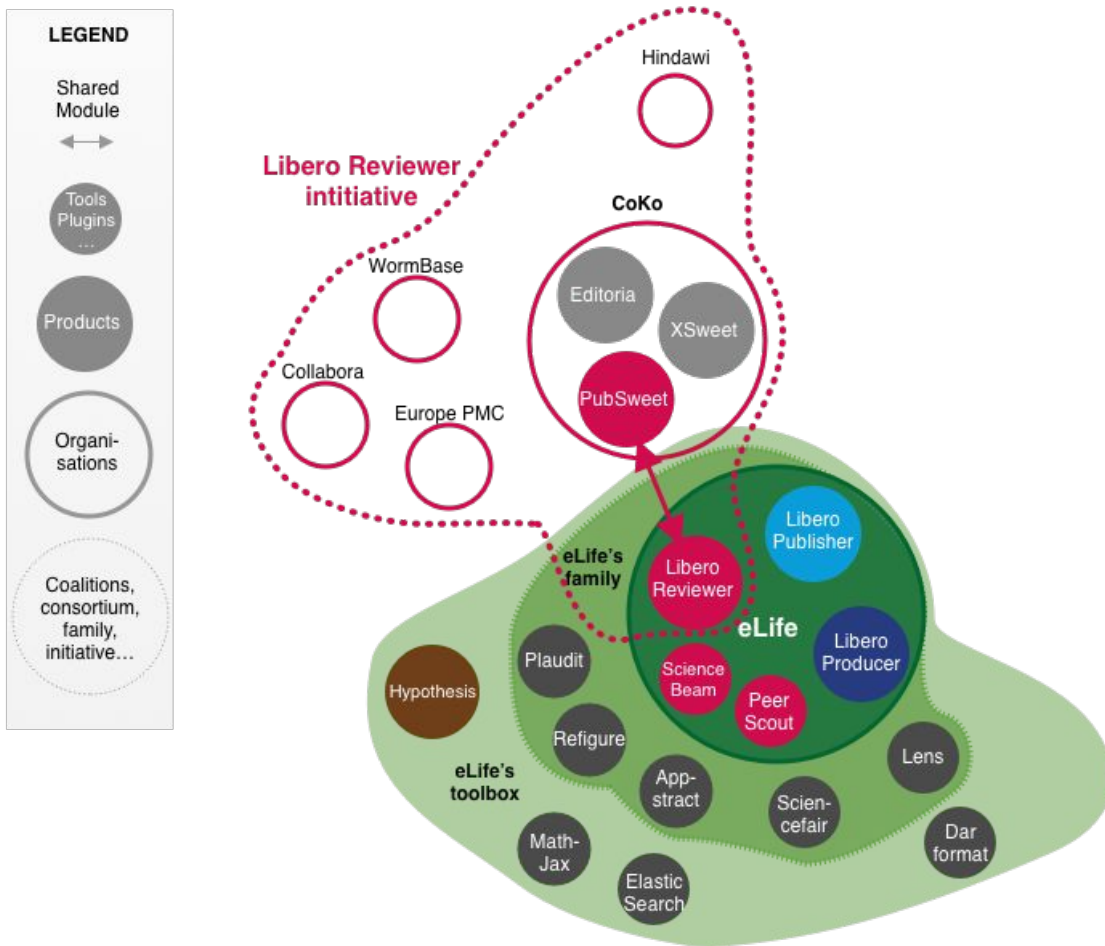


# Today I will talk about

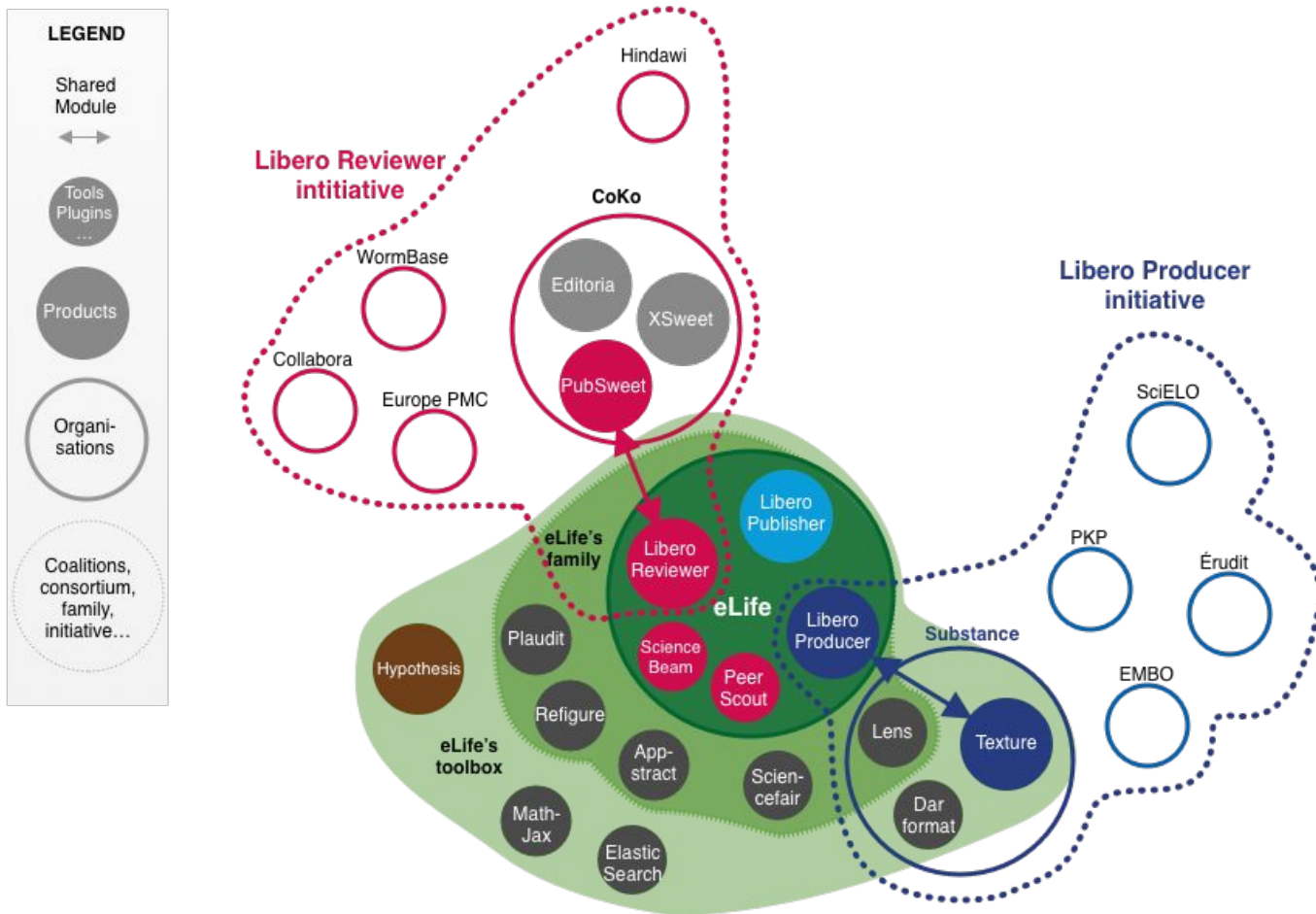
- A quick **demo of Libero Publisher's** prototype
- How do **we build open-source** products
- How you **join the conversation** and how **you will be able to use** what we are building

**Shared open-source  
infrastructure is all about  
collaboration**

# eLife's Libero Reviewer collaboration

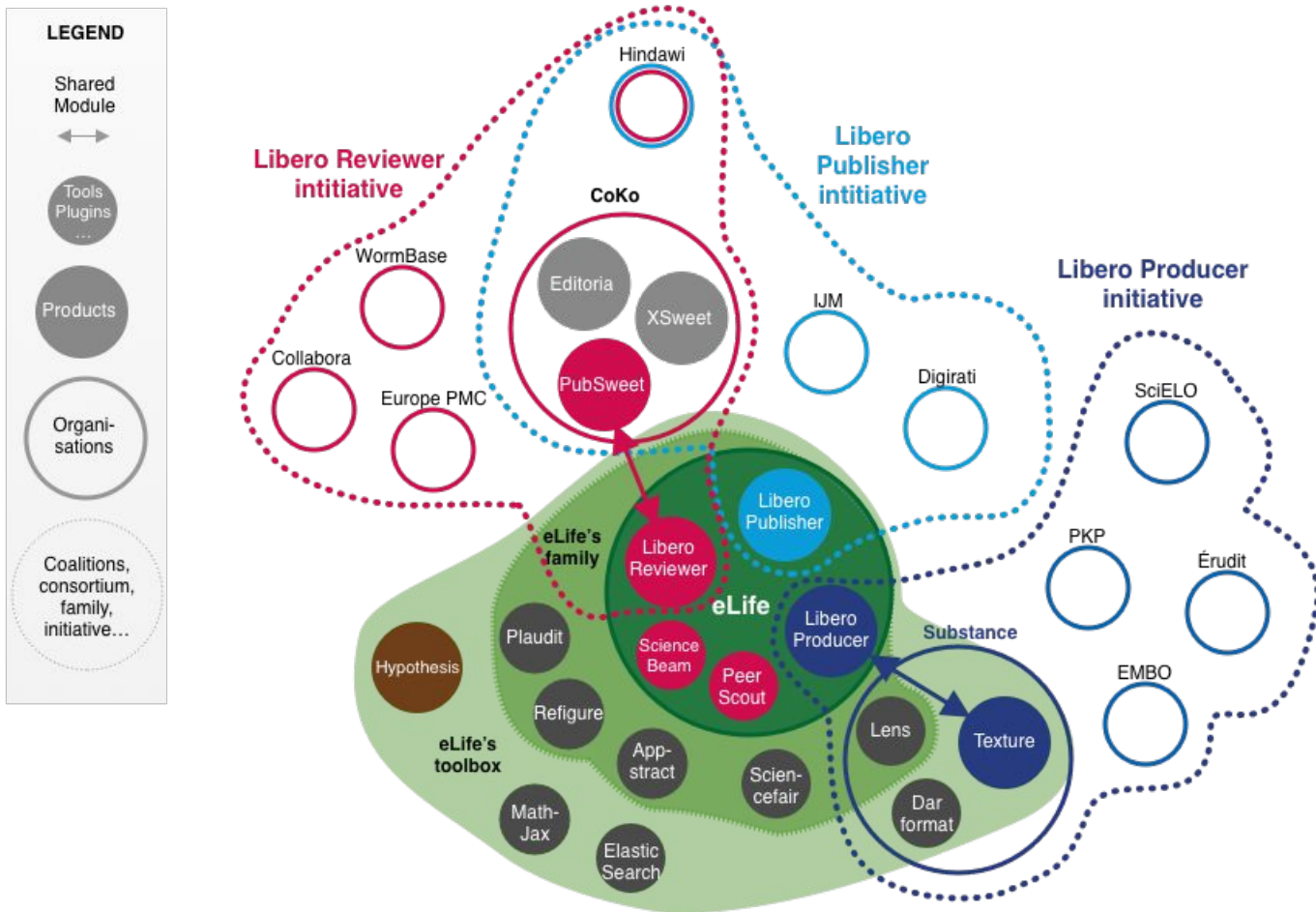


# eLife's Libero Producer collaboration





# eLife's Libero Publisher collaboration



# The International Journal of Publishing Innovation



The International Journal of Publishing Innovation is the fictional online peer-reviewed journal created to demonstrate the [Libero platform](#)

Biochemistry and Chemical Biology  
Cancer Biology  
Cell Biology  
Chromosomes and Gene Expression  
Computational and Systems Biology  
Developmental Biology

Ecology  
Epidemiology and Global Health  
Evolutionary Biology  
Genetics and Genomics  
Human Biology and Medicine  
Immunology and Inflammation

Microbiology and Infectious Disease  
Neuroscience  
Physics of Living Systems  
Plant Biology  
Stem Cells and Regenerative Medicine  
Structural Biology and Molecular Biophysics

## LATEST RESEARCH

### BIOCHEMISTRY AND CHEMICAL BIOLOGY

Insights into AMS/PCAT transporters from biochemical and structural

## LATEST ISSUES

Issue 11.2 Summer 2018

6 ARTICLES

Checking


Errors 2

**Ready to publish**

Published

Issues

## Ready to publish

 <b>Publishing</b> Today	10.0000/123456	1.1
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed vel varius enim, eu placerat metus. Sed sodales at lacus vel... Author name et al.	<input type="checkbox"/>	
<b>Ready to publish</b> Today	10.0000/123456	1.1
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed vel varius enim, eu placerat metus. Sed sodales at lacus vel... Author name et al.	<input type="checkbox"/>	
<b>Ready to publish</b> Fri 11 Jan 2019	10.0000/123456	1.1
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed vel varius enim, eu placerat metus. Sed sodales at lacus vel... Author name et al.	<input type="checkbox"/>	
<b>Ready to publish</b> Mon 14 Jan 2019	10.0000/123456	1.1
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# How do you build open-source software?

# We listen to content providers

- A strong need for **cost-effective solution**
- Desire for a **modern user experience** (UX/UI)
- A need for **more flexible**, modular options





## Help us get your work seen by the right people

Manuscript title

Beta-catenin signaling regulates barrier-specific gene expression in circumventricular organ and ocular vasculatures

Article type

Research article

Research Articles published by eLife are full-length studies that present important breakthroughs across the life sciences and biomedicine. There is no maximum length and no limits on the number of display items. [Learn more.](#)

Subject area(s)

...to build user interfaces  
that are intuitive and  
save time

## Choose Senior Editors

Neruoence



Richard Aldrich



Catherine Dulac



Richard Aldrich  
Utrecht University

Structural Biology and M...



Catherine Dulac  
Max Planck Institute

cellular and molecular n...



CANCEL

DONE

**How can you join the  
conversation?**



# Talk to the community

<https://libero.pub/join-slack/>



Or contact us by email: [hello@libero.pub](mailto:hello@libero.pub)

# See our product roadmap

<https://elifesci.org/roadmap>

The screenshot displays a Trello board for the 'Libero MVP roadmap (public)'. The board is organized into five columns representing different stages of the project:

- Future release:** Includes tasks like 'Multi-journal publishing', 'Multi-lingual journal', 'Production team notes on articles', 'Ownership of article in the Production team', 'Levels & permissions for the dashboard', 'Reporting from the dashboard', and 'Design human reading error messages in dashboard'.
- Next release:** Includes 'Multi-tenancy', 'CMS integration (Drupal, Wordpress)', 'UX of the log in process (was: One log in for the dashboard)', 'Editions / Collections support', 'Product / Brochure website', and 'Article metrics: page views'.
- MVP - First Iteration:** Includes 'Article page - download', 'Article page - author', 'Article page - publication date', 'Article page - IJM extension', and 'Dashboard UI built to wireframes'.
- Doing:** Includes 'Article page - metadata', 'Homepage with list of content', and 'Global navigation'.
- Done:** Includes 'Article page - content title' and 'Article page - text'.

Each task card is color-coded by category: Dashboard (green), Website (yellow), Article (purple), Technical (blue), Misc (red), and Design phase (dark blue). The board also shows user avatars, a search bar, and a 'Show Menu' option.

# Accessing the code now

- Libero Publisher code:

<https://github.com/libero>

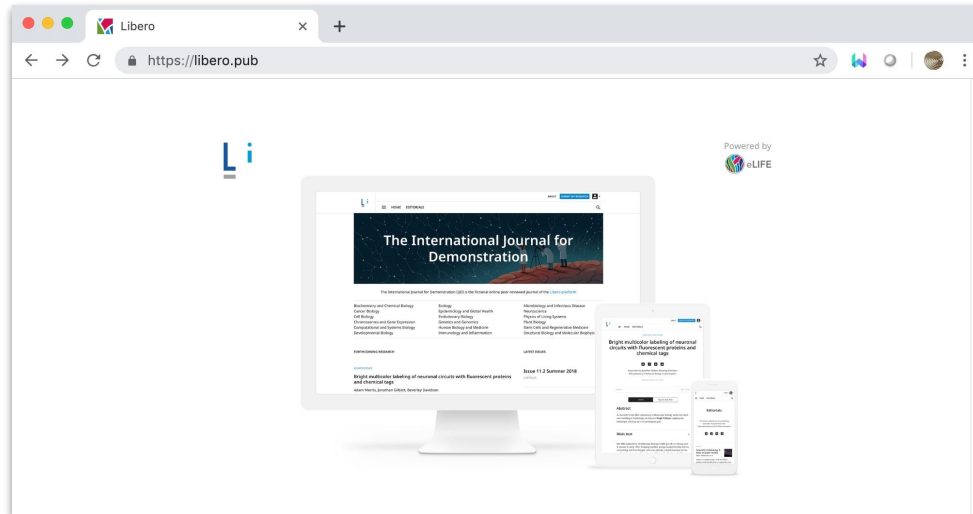
- Other products' code:

<https://github.com/elifesciences>



# Visit our product website

- We're constantly evolving <https://libero.pub> with new guides and links to the relevant repositories



# Join our events

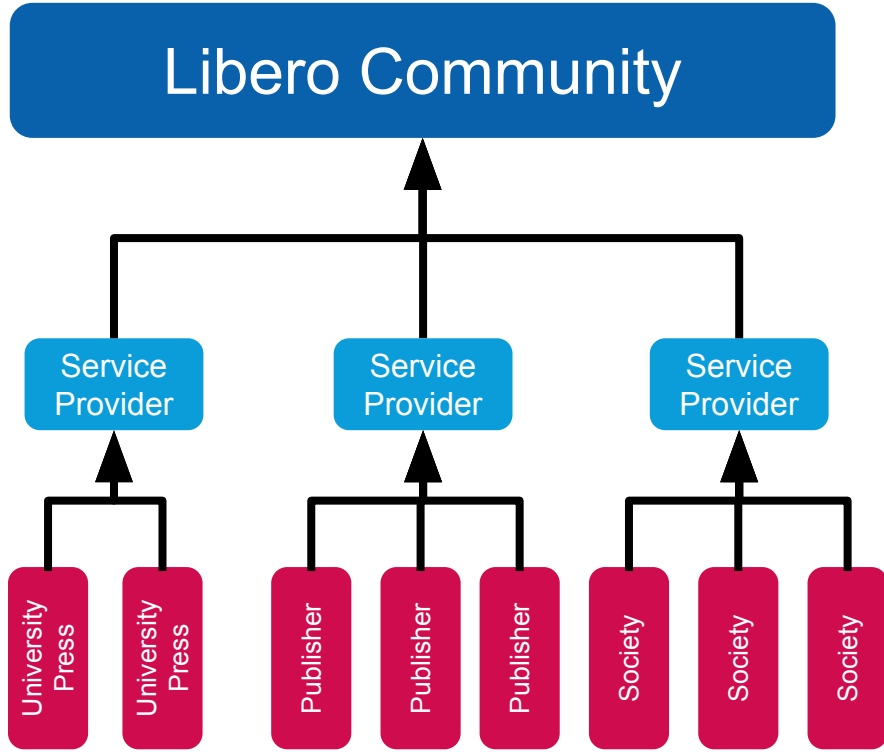
- Open-source technology in publishing **Community Call**
- Open-source **Community Sprints**
- Subscribe to our **technology and innovation newsletter** and follow us on Twitter: **@eLifeInnovation**

**I do not have a tech team, can  
I still use your product?**

# Options

- Libero Publisher is **developer-friendly** which means you can easily find software professionals to help get you set up
- Will be supported by an ecosystem of **open-source service providers** that can provide turnkey implementations of our platform

# Service provider model



Code base maintenance

Implementation, customisations & customer service

Libero Suite users



**Which community governance model was adopted?**

# Governance

- eLife are **Project Leads** supported by a **Steering Committee** and **Special Interest Groups**
- Provides **freedom** and **protection**
- A permissive **MIT free open-source software license**

# Benefits of using Libero Publisher

# Benefits of a using Libero Publisher

- **Future-proof:** No one is dependent on any one organisation
- **Customer-owned:** Your instance of the platform belongs to you; you can change it any time
- **Best of both worlds:** You can adapt the code, and have plenty of qualified support available

# Thank you

[hello@libero.pub](mailto:hello@libero.pub)

<https://libero.pub>

@eLifeInnovation

<https://elifesci.org/roadmap>