



How to survive from a website upgrade

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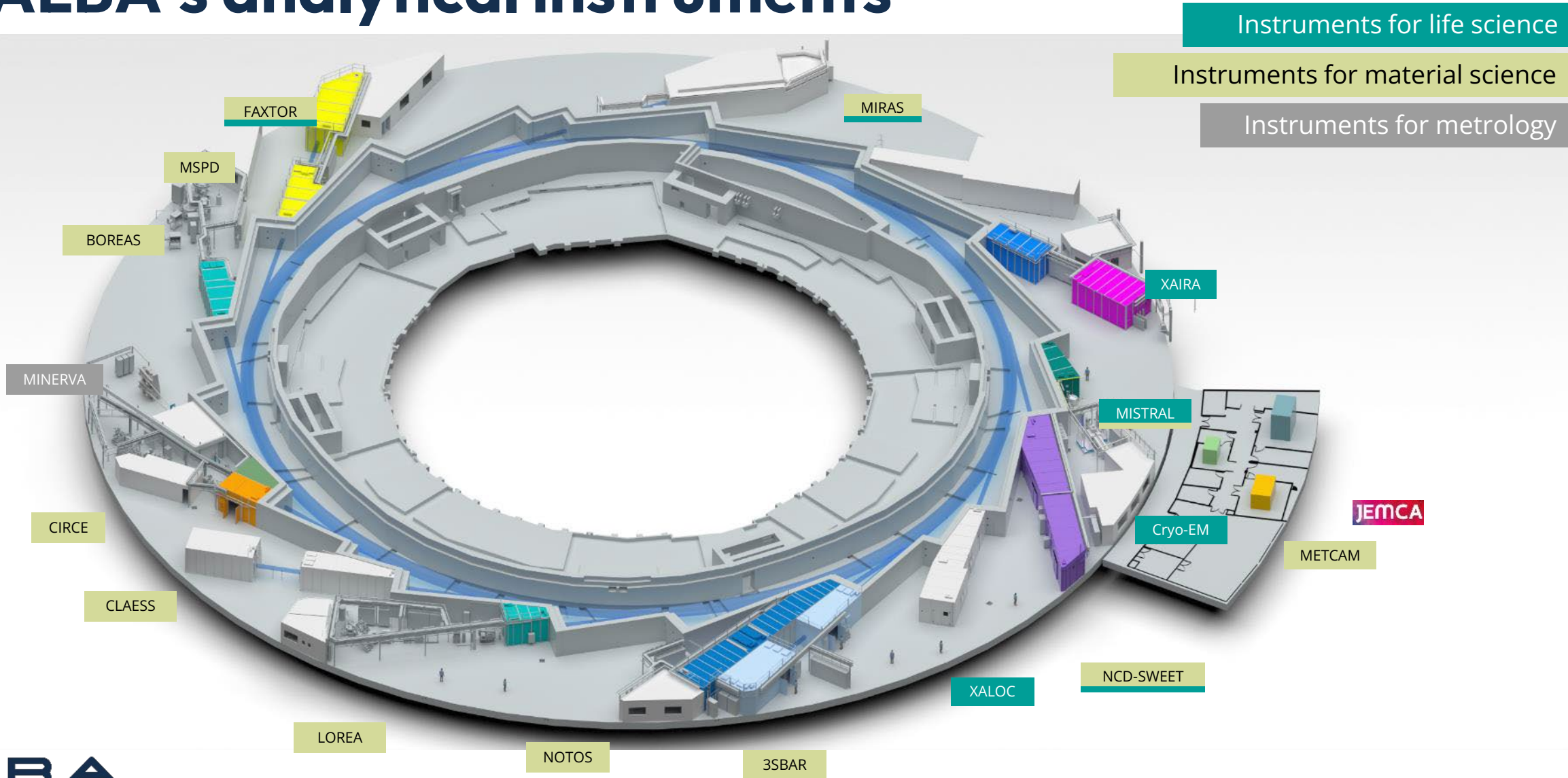


The ALBA Synchrotron

- A large research infrastructure in Spain, aimed at generating synchrotron light.
- 2,500 users come to our facility every year to analyse the inner details of matter in a wide variety of fields.
- A complex of electron accelerators 3GeV
- 11 operational beamlines and 3 under construction / in commissioning. Joint-electron microscopy center with 3 microscopes
- A public consortium funded in equal parts by the Spanish and Catalan governments.



ALBA's analytical instruments



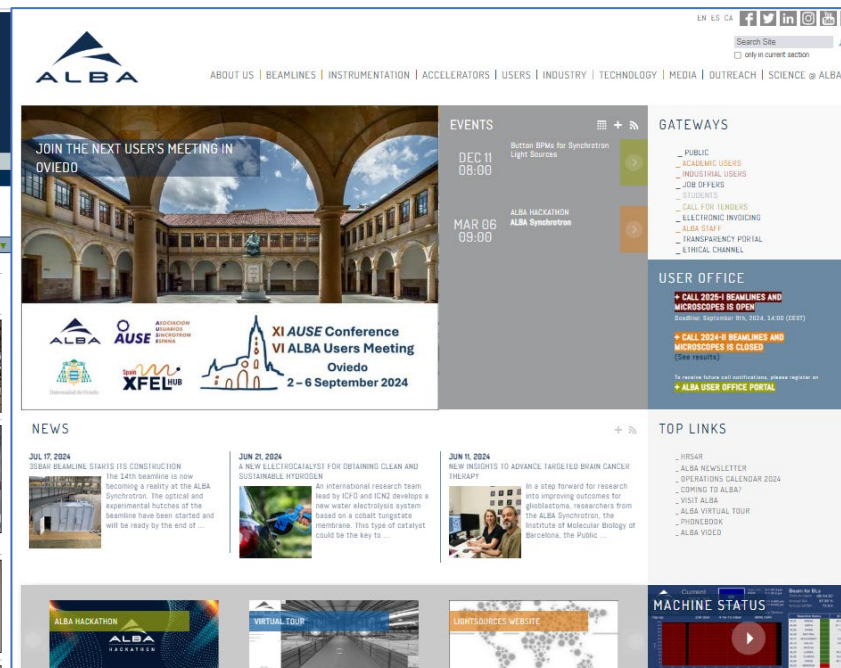
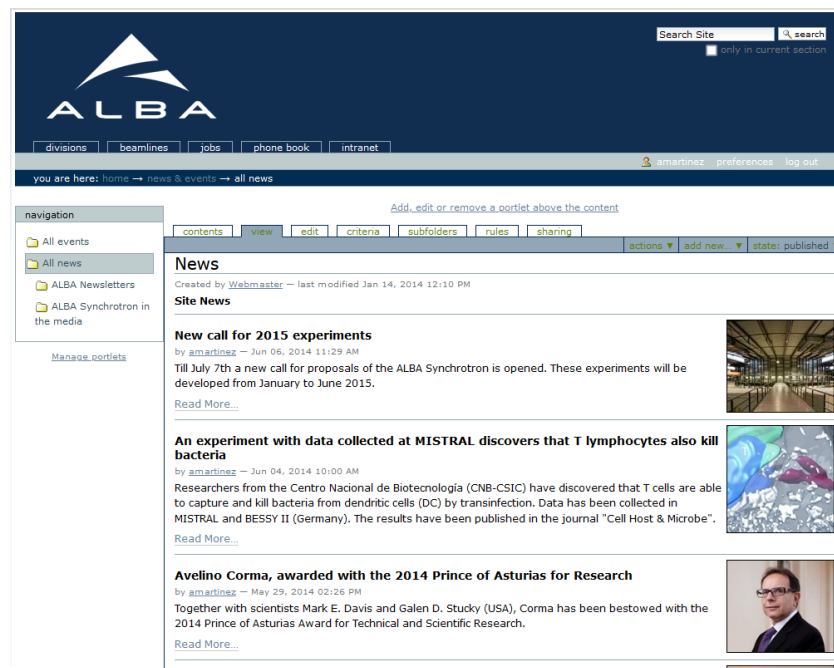
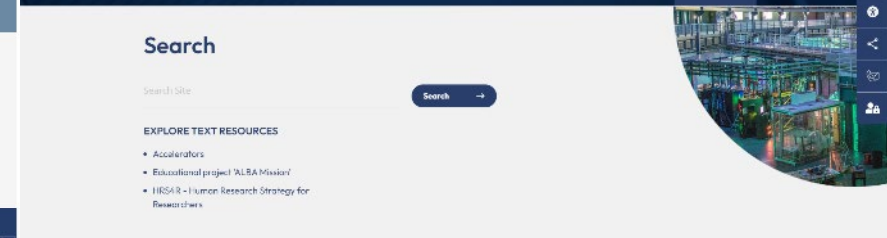
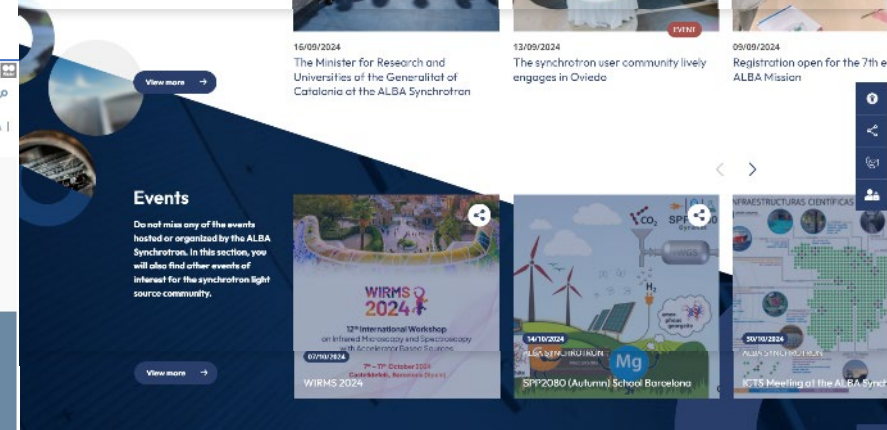
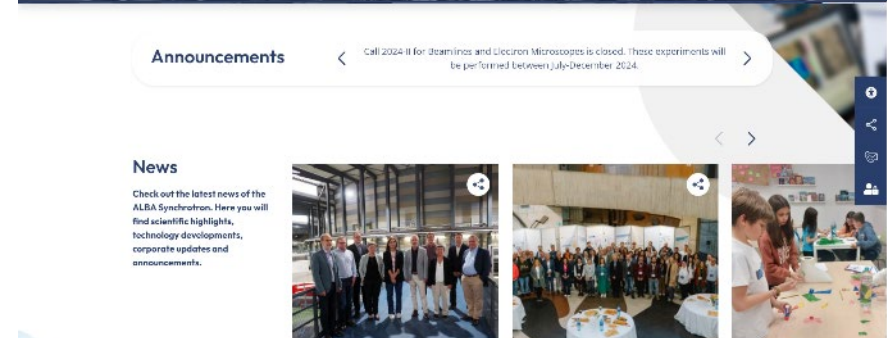
ALBA's website

- 3 websites in 20 years - All in Plone CMS
- High impact and use: 9,000 objects, 9 GB data, 100 editors
- Content management relies on Communications & Outreach office
- Software development and maintenance relies on Computing

2024

2004

2014

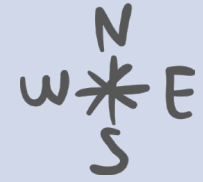


The importance of a website



The requirements for new website

1. Review the **hierarchy of contents** and orientate them to **website users**
2. **Update** contents and **renovate** the image and look & feel
3. **Save time** and offer more robustness for **editors**
4. **Integrate internal tools** like Single Sign-On (SSO) through CAS, User Office data (publications, users' visits, etc.), Jobs Portal, Call for Tenders
5. Improve the **adaptability** to different platforms
6. Increase **accessibility**



The new ALBA website

- Modern aspect, high-impact images
- Related content (instruments, news, events categorizations) for better search and information filters
- Fully responsive and prepared for being accessible (WCAG) 2.1
- Internal tools to improve editors' work: automatic translation plugin, users' satisfaction channel, massive upload of documents

The screenshot displays the ALBA website interface. At the top, a navigation menu includes 'USERS', 'INDUSTRY', 'INSTRUMENTS', 'PUBLIC', 'SCIENCE', and 'ABOUT'. Below this is a 3D architectural rendering of the synchrotron facility, with various beamlines and electron microscopes labeled. A list of these labels is provided on the left side of the image.

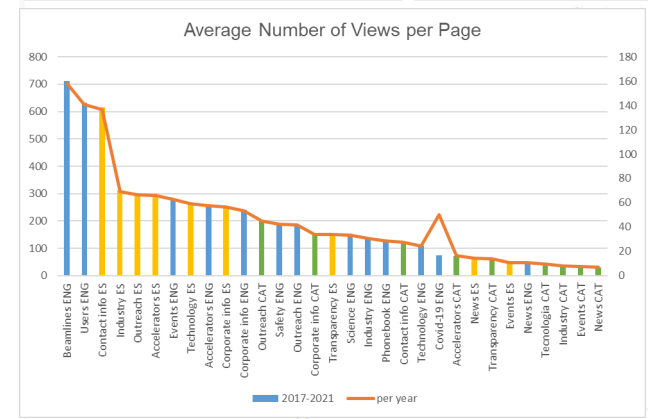
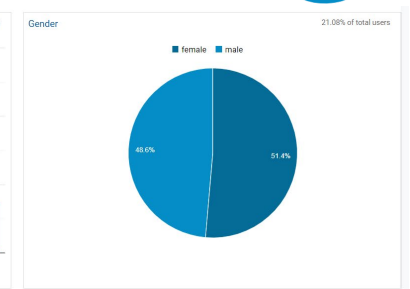
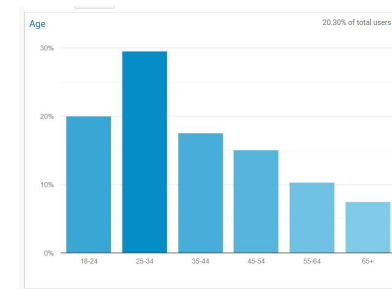
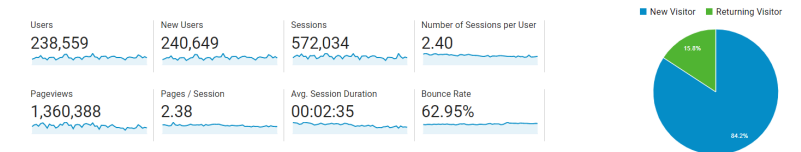
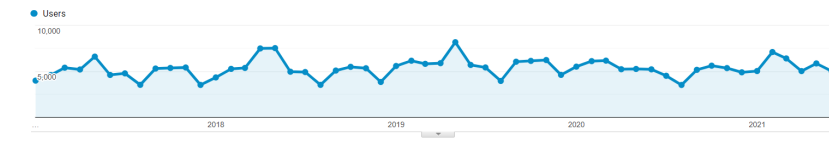
Below the 3D model is a 'Highlights' section with a search bar and filters for 'Instrument' and 'Access'. Below this are several image thumbnails representing different areas of the facility.

At the bottom, a 'Customer satisfaction' section is visible, featuring a table of feedback data. The table has columns for 'PAGE', 'POSITIVE V...', 'NEGATIVE ...', 'LAST VOTE', and 'COMMENTS'. The data is as follows:

PAGE	POSITIVE V...	NEGATIVE ...	LAST VOTE	COMMENTS
.. Estructura de la visita escolar	1	0	19/09/2024 13:06:36	
.. Bienvenidos a ALBA	1	0	17/09/2024 23:40:09	
.. Sample set-ups	1	0	17/09/2024 10:37:28	
.. Te avisamos	3	0	14/09/2024 17:24:17	
.. Page not found	3	7	13/09/2024 22:03:25	2
.. Welcome	1	0	04/09/2024 10:23:02	1

1 Analyse your website 'What do your users want?'

- Detailed Google Analytics review
- Most popular contents in social media
- Talk to key users - Focus group
- How content is written in your website. SEO Site Checkup



access achieved advanced **alba** applications barcelona batteries
beamline beamlines boreas catalan catalyst circular clæss
collaboration coming companies contact covid csic dedicated
development economy edition educational electron electronic
european events experiments facility field future great have hercules
high imdea incaem industrial industry information infrastructures laboratory
laser **light** magnetic material **materials** mechanism methane
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2

Choose the right technology and the right partner



Content Management System (CMS) is **Plone**

- From Plone 4 to Plone 6.0.8 + Volto for Front End development
- Reasons to keep using Plone
 1. Experience of the technical team
 2. Robustness and security

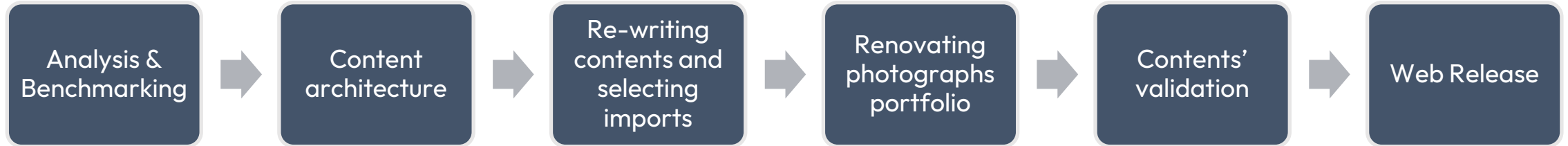


- Small company from Lleida (Catalonia), specialized in Plone CMS and with deep knowledge on public institutions websites and open data portals.
- Budget: 38k€ for design and CMS development

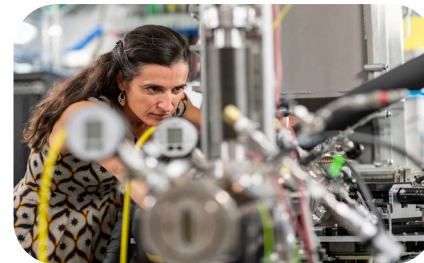
3 Involve the key members in your organisation

- Management Board should be enrolled in the project
- Listen to Users and Editors

Kick off meeting -
May 2023



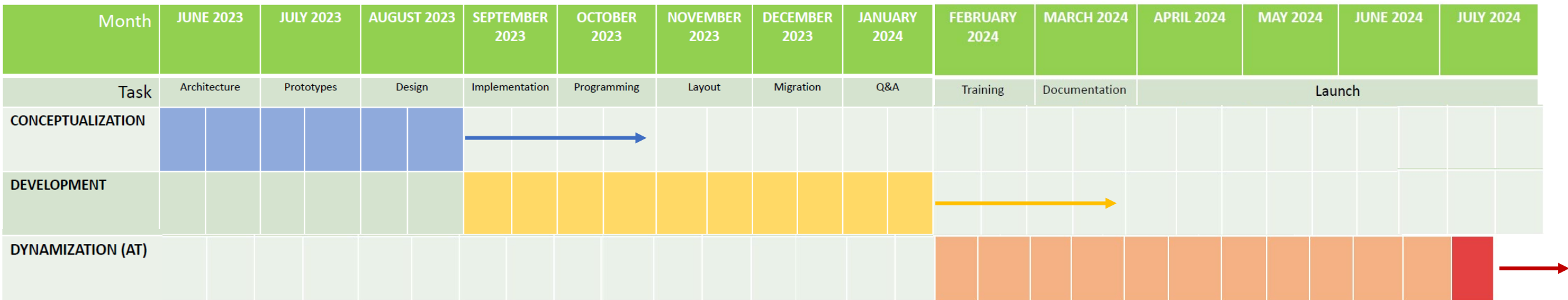
September 2024



4 Keep calendar tight

Dedicate a team and prioritise the website

- 15 months' project



5 Training is a must

- Multiple editors but only one validation channel (Comms & Outreach Office)
- Editors have limited permissions to add or modify content on specific pages.
- Training to editors done at the end of September. Guidelines available.





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