Europe PMC Roadmap - January to March 2024

Mission: "To build open, full-text scientific literature resources and support innovation and discovery by engaging users, enabling contributors, and integrating related research outputs."

Europe PMC Objectives (2021-2026)	In progress	Next / On hold	Considering
High performance open access full text database and related services	• Search improvements: a visual timeline for date filter • Wrap up of the COVID-19 full text preprints project • Annual update of MEDLINE data	• Migrate automated jobs to an open source scheduler (Slurm) • New mechanism for data exchange with PubMed / PMC	
Development of emerging open publication workflows	• Ingest and display open peer review information from Crossref for journal articles	• Ingest protocols from Protocols.io	
Integrate publications with data, software, people, grants, institutions		• User research: discovering and accessing data and software underlying a publication	• Investigate addition of ROR IDs to the affiliation metadata of accepted manuscripts
Open community platform for machine learning & text mining	• Display accession numbers and bioentities from supplementary files on article pages • Integrate Open Targets literature evidence text mining pipeline with the core Europe PMC infrastructure	• Add SciCrunch (RRIDs) annotations	• Add metagenomics annotations to text mining pipeline • Add RNAcentral annotations • Add Expression Atlas as an external links provider
Support open science: reuse of content, links, semantic enrichment	• Discovery work to distinguish original and reused data • Replace dictionary-based tagging with machine learning-based tagging for text-mining annotations	• Improvements to increase the Europe PMC citation network (including preprint citations)	
Meet the needs of users and key stakeholder groups	• Principles of Open Scholarly Infrastructure self-evaluation update • User research: 2023 user survey • 'Enabling preprint discovery, evaluation, and analysis with Europe PMC' publication	• Add search filter for document types • Expose sort options • Investigate and test changes to Advanced search to improve usability.	• Indexing long form outputs on NCBI bookshelf for Europe PMC funders

Completed work - Quarter 4 October to December 2023

Europe PMC Objectives (2021-2026)	Released/completed Q4 October to December 2023
🟧 **High performance service, continuous improvements**	• Upgrade of virtual machine infrastructure • Open source Crossref preprint fetcher code • Migrate Europe PMC blog to a new platform • Matomo upgrade
🟦 **Development of emerging open publication workflows**	• Ingest preprints from AfricArXiv and ScienceOpen Preprints • Ingest and display preprint peer review information from Crossref
🟪 **Integrate publications with data, software, people, grants, institutions**	• Text mine Cellosaurus, Rhea, BioImage Archive, BRENDA and AlphaFold accession numbers
🟩 **Open community platform for machine learning & text mining**	• Develop minimum viable product for display of accession numbers and bioentities from supplementary files on article pages • Add machine learning component to the text mining pipeline to improve annotation recall and precision
🟥 **Support open science: reuse of content, links, semantic enrichment**	• Search filter for publications where free full text is available via Unpaywall but not Europe PMC
🟪 **Meet the needs of users and key stakeholder groups**	• 'Europe PMC in 2023' publication • 'How to make your research open with Europe PMC' webinar • 'Supporting interoperability of preprint peer review metadata' workshop