Europe PMC Roadmap - October to December 2021

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

Europe PMC Objectives (2021-2026)	In progress	Next / On hold	Considering
High performance open access full text database and related services	• Redesign of support pages based on usability testing feedback • Upgrade of virtual machine infrastructure • Consolidate full text databases and upgrade licenses • Migrate production jobs to a new high performance computing farm (LSF) • Optimise the performance of the grants ingest process	• Upgrade of Solr search version • Upgrade of MongoDB database version	
Development of emerging open publication workflows	• Improve labelling of preprint retractions and withdrawals on article pages	• Index SportRxiv preprint abstracts • Improve display of preprints from Open Research platforms • Ingest full text COVID-19 preprints from SciELO and Protocols.io	• Develop a metadata standard for peer review status in collaboration with partners
Integrate publications with data, software, people, grants, institutions	• Email alerts for saved searches	• Tool to get alerts for publication status updates (e.g. preprint being published in a peer reviewed journal)	
Open community platform for machine learning & text mining	• Introduce a Machine learning component in core text mining pipeline to remove false positive	• Implement a new modularised technical architecture for text mining pipelines	• Text mine supplemental data from Biostudies
Support open science: reuse of content, links, semantic enrichment	• Add external links from VEuPathDB and Sciety	• User research to inform advanced search redesign	• Redesign of advanced search features
Meet the needs of users and key stakeholder groups	• Update strategy for outreach to researchers		

Last updated: 30/09/2021

Completed work - Quarter 3 (July to September 2021)

Europe PMC Objectives (2016-2021)	Released/completed Q3 July to September 2021
■ **High performance service, continuous improvements**	• Redesign of home and about pages based on usability testing feedback
■ **Development of emerging open publication workflows**	
■ **Integrate publications with data, software, people, grants, institutions**	• Ingested funding and license data from Crossref, linking an additional 3.2 million articles with 8.8 million grants
■ **Open community platform for machine learning & text mining**	
■ **Support open science: reuse of content, links, semantic enrichment**	• Added external links from Xenbase
■ **Meet the needs of users and key stakeholder groups**	• Hosted 'The future of preprint peer review' panel webinar during peer review week