Europe PMC Roadmap - April to June 2022

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	- Upgrade of virtual machine infrastructure - Migrate production jobs to a new high performance computing farm (phase 2) - Investigate improvements to search functionality based on user research findings - Improve design of feedback form and process	- Optimise the performance of the grants ingest process	- Define requirements for analytics tools and investigate tools for evaluation
Development of emerging open publication workflows	- Improvements to matching of citations in preprint reference lists - Index protocols from Protocols.io	- Investigate availability of open peer review status and materials via Crossref metadata and other open peer review platforms	- Improve display of peer review status for preprints and articles
Integrate publications with data, software, people, grants, institutions		- Investigation into introducing ROR IDs into grant data using machine learning algorithm	
Open community platform for machine learning & text mining	- Introduce a Machine learning component in core text mining pipeline to remove false positive - Development of a text mining API to mine supplementary files for bioentities	- Implement a new modularised technical architecture for text mining pipelines	
Support open science: reuse of content, links, semantic enrichment	- Provide bulk download of PDF files in the Open Access subset		
Meet the needs of users and key stakeholder groups	- Implement strategy for outreach to researchers - Webinar on "Selecting and evaluating preprints for a Journal Club" - Webinar on "SciELO preprints in Europe PMC"		

Completed work - Quarter 1 (January to March 2022)

Europe PMC Objectives (2016-2021)	Released/completed Q1 January to March 2022
High performance service, continuous improvements	• Upgraded Solr search to version 8 • Annual update of MEDLINE data • Migrated production jobs to a new high performance computing farm (phase 1)
Development of emerging open publication workflows	• Started indexing full text preprints supported by the Europe PMC funders • Started indexing preprint abstracts from SciELO
Integrate publications with data, software, people, grants, institutions	• Released Article Status Monitor tool to retrieve publication status updates (e.g. preprint being published in a peer reviewed journal) for batches of articles IDs
Open community platform for machine learning & text mining	
Support open science: reuse of content, links, semantic enrichment	• Conducted user research to inform advanced search redesign • Added external links from VEuPathDB and Sciety
Meet the needs of users and key stakeholder groups	• Updated strategy for outreach to researchers