Europe PMC Roadmap - October to December 2022

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**	• Investigate biomedical tokenisers to improve search functionality for terms that include hyphens (e.g. gene/protein names) • Implement analytics tools and evaluate • Upgrade of virtual machine infrastructure • Migrate production jobs to a new high performance computing farm (phase 2) • Improve affiliation data using data from PubMed Central	• Redesign of advanced search • Include articles with free full text links via Unpaywall in 'free to read' search filter	
■ **Development of emerging open publication workflows**	• Investigate availability of open peer review status and materials via Crossref metadata, DocMaps schema, and other open peer review platforms • User research to discover user needs for display of peer review information on preprint pages	• Index protocols from Protocols.io	• Improve display of peer review status for preprints and articles
■ **Integrate publications with data, software, people, grants, institutions**	• Investigate introducing ROR IDs into grant data using a machine learning algorithm		
■ **Open community platform for machine learning & text mining**	• Development of a text mining API to mine supplementary files for bioentities • Adding Alphafold and BioImage Archive annotations	• Introduce a machine learning component in core text mining pipeline to remove false positives	• Implement a new modularised technical architecture for text mining pipelines
■ **Support open science: reuse of content, links, semantic enrichment**			
■ **Meet the needs of users and key stakeholder groups**	• User survey	• Webinar on "Credit for preprint peer review - recognizing ECR contributions"	

Last updated: 30 September 2022

Completed work - Quarter 3 (July to September 2022)

Europe PMC Objectives (2016-2021)	Released/completed Q3 July to September 2022
🟧 **High performance service, continuous improvements**	• Fixed issue with bulk claiming of articles to ORCID
🟦 **Development of emerging open publication workflows**	• Added reference list matching and linking for preprints
🟪 **Integrate publications with data, software, people, grants, institutions**	• Added GlyGen external links
🟩 **Open community platform for machine learning & text mining**	
🟥 **Support open science: reuse of content, links, semantic enrichment**	• Provided bulk download of PDF files in the Open Access subset
🟪 **Meet the needs of users and key stakeholder groups**	