

Europe PMC Roadmap - January to March 2023

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
<ul style="list-style-type: none"> High performance open access full text database and related services 	<ul style="list-style-type: none"> Upgrade of virtual machine infrastructure Improve affiliation data using data from PubMed Central Annual update of MEDLINE data 	<ul style="list-style-type: none"> Search improvements: add a visual timeline to the date filter; create a combined title/abstract field; investigate biomedical tokenisers to improve search functionality for terms that include hyphens (e.g. gene/protein names); testing redesign of advanced search with users Upgrade Matomo web analytics tool 	<ul style="list-style-type: none"> Search improvements: include articles with free full text links via Unpaywall in search filter
<ul style="list-style-type: none"> Development of emerging open publication workflows 		<ul style="list-style-type: none"> Ingest and display preprint peer review information from Review Commons Ingest preprints from AJIR Preprints and SportRxiv Ingest protocols from Protocols.io 	<ul style="list-style-type: none"> Ingest and display preprint peer review information from other providers e.g. Society
<ul style="list-style-type: none"> Integrate publications with data, software, people, grants, institutions 	<ul style="list-style-type: none"> Investigate introducing ROR IDs into grant data using a machine learning algorithm 		
<ul style="list-style-type: none"> Open community platform for machine learning & text mining 	<ul style="list-style-type: none"> Development of a text mining API to mine supplementary files for bioentities Display accession numbers and bioentities from supplementary files on article pages Text mine RHEA and Cellosaurus accession numbers Add AlphaFold and BioImage Archive annotations 	<ul style="list-style-type: none"> Introduce machine learning component in text mining pipeline to remove false positives Improvements to the Europe PMC text and data mining pipeline Add RNACentral annotations Text mine BRENDA and SILVA accession numbers 	
<ul style="list-style-type: none"> Support open science: reuse of content, links, semantic enrichment 		<ul style="list-style-type: none"> Improvements to increase the Europe PMC citation network (including preprint citations) 	
<ul style="list-style-type: none"> Meet the needs of users and key stakeholder groups 	<ul style="list-style-type: none"> User survey analysis Preprint peer review feature in 'Against the Grain' Launch forum for Europe PMC funders 	<ul style="list-style-type: none"> Webinar for researchers Webinar for Europe PMC funders 	

Completed work - Quarter 4 (October to December 2022)

Europe PMC Objectives (2016-2021)

Released/completed Q4 October to December 2022

■ **High performance service, continuous improvements**

- Migrated production jobs to a new high performance computing farm (phase 2)
- Evaluated web analytics tools

■ **Development of emerging open publication workflows**

- Started ingesting preprint abstracts from ARPHA Preprints, agriRxiv and EcoEvoRxiv
- Investigated availability of open peer review status and materials via Crossref metadata, DocMaps schema, and other open peer review platforms
- Carried out user research to discover user needs for display of peer review information on preprint pages

■ **Integrate publications with data, software, people, grants, institutions**

■ **Open community platform for machine learning & text mining**

■ **Support open science: reuse of content, links, semantic enrichment**

■ **Meet the needs of users and key stakeholder groups**

- EIPOD Open Science course training
 - Webinar for grantees of Europe PMC funders: 'How to make your research open'
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