

Europe PMC Roadmap - January to March 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
<p>High performance open access full text database and related services</p>	<ul style="list-style-type: none"> Upgrade of Solr search version Upgrade of virtual machine infrastructure Migrate production jobs to a new high performance computing farm (LSF) Optimise the performance of the grants ingest process Annual update of MEDLINE data 	<ul style="list-style-type: none"> Redesign of support pages based on usability testing feedback Provide bulk download of PDF files in the Open Access subset 	
<p>Development of emerging open publication workflows</p>	<ul style="list-style-type: none"> Ingest full text preprints supported by the Europe PMC funders Improvements to matching of citations in preprint reference lists 	<ul style="list-style-type: none"> Index SportRxiv preprint abstracts Ingest full text COVID-19 preprints from SciELO and Protocols.io Improve display of preprints from Open Research platforms 	<ul style="list-style-type: none"> Develop a metadata standard for peer review status in collaboration with partners
<p>Integrate publications with data, software, people, grants, institutions</p>	<ul style="list-style-type: none"> Article status monitor tool to retrieve publication status updates (e.g. preprint being published in a peer reviewed journal) for batches of articles IDs 		
<p>Open community platform for machine learning & text mining</p>	<ul style="list-style-type: none"> Introduce a Machine learning component in core text mining pipeline to remove false positive 	<ul style="list-style-type: none"> Implement a new modularised technical architecture for text mining pipelines 	<ul style="list-style-type: none"> Text mine supplemental data from BioStudies
<p>Support open science: reuse of content, links, semantic enrichment</p>	<ul style="list-style-type: none"> User research to inform advanced search redesign Add external links from VEuPathDB and Society 	<ul style="list-style-type: none"> Redesign of advanced search features 	
<p>Meet the needs of users and key stakeholder groups</p>	<ul style="list-style-type: none"> Update strategy for outreach to researchers 		

Completed work - Quarter 4 (October to December 2021)

Europe PMC Objectives (2016-2021)

Released/completed Q4 October to December 2021

■ **High performance service, continuous improvements**

- Upgraded MongoDB database version
- Consolidated full text databases and upgrade licenses

■ **Development of emerging open publication workflows**

- Improved labelling of preprint retractions and withdrawals on article pages

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

- Email alerts for saved searches
- New API to get article status updates (preprints published in a journal, new preprint versions, withdrawn or removed preprints, retracted journal articles)
- Grant linking feature for authors added to the Europe PMC plus manuscript submission process

■ **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**

- Delivered a joint webinar "Analysing publications and funding with the Europe PMC REST API" with Wellcome.
 - Delivered a webinar for Open Access week "Open access: publications and preprints".
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