Europe PMC Roadmap - April to June 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 home, about and support pages based on usability testing feedback **70%** • Improve resilience of manuscript submission system technical architecture **50%** • Improvements to full text ingest processes **70%** • Upgrade of virtual machine hosting infrastructure **50%** • Upgrade of Solr search version **70%** • Upgrade of MongoDB database version **90%**	• Migration of production jobs to a new high performance computing farm (LSF) **5%** • Consolidate full text databases and upgrade licenses **20%**	
■ **Development of emerging open publication workflows**	• Ingest full text COVID-19 preprints from SciELO, PsyArXiv and Protocols.io **Ongoing**	• Develop a metadata standard for peer review status in collaboration with partners	
■ **Integrate publications with data, software, people, grants, institutions**	• User research for email alerts **5%** • Ingest of license and funding data from Crossref **5%**	• Email alerts for researchers and curators	
■ **Open community platform for machine learning & text mining**	• Introduce a Machine learning component in core text mining pipeline to remove false positive **80%**	• Implement a new modularised technical architecture for text mining pipelines **40%**	• Text mine supplemental data from Biostudies
■ **Support open science: reuse of content, links, semantic enrichment**			• Redesign of advanced search features
■ **Meet the needs of users and key stakeholder groups**	• Training for Health Data Research UK (HDR UK) **100%** • Training for EMBL Interdisciplinary Postdocs (EIPOD)	• Strategy for outreach to researchers	

Last updated: 23/04/2021

Completed work - Quarter 1 (January to March 2021)

Europe PMC Objectives (2016-2021)	Released/completed Q1 January to March 2021
🟧 **High performance service, continuous improvements**	• Annual Medline data update • Improved accessibility of web pages to enable keyboard access and screenreader use
🟦 **Full text search/view mechanisms**	• Ingest full text COVID-19 preprints from arXiv • Implemented mechanisms to handle preprint retractions and withdrawals
🟪 **Tools and approaches to support literature-based workflows**	• Delivered a preprint webinar: "Preprints discovery 101: Tips & tricks for authors"
🟩 **Platform for innovation**	
🟥 **Integrate manuscript submission and related services**	

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