Europe PMC Roadmap - January to March 2017

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	In progress	Planned Jan - Mar 2017[1]	Considering for Apr - Jun 2017[2]
High performance service, continuous improvements	- Improve API documentation using Swagger.io **30%** - Investigation to improve speed of content retrieval from the database **100%** - Improve web analytics/event tracking **100%** - Improve author affiliations on abstracts **100%** - Annual MEDLINE content update **100%** - Improve processing of citation network **100%** - Investigate improvements for server monitoring **100%**	- Tidy up journal names list **100%** - Automated email list subscription for API developers, to receive API release notes **50%** - Upgrade to new ORCID API v2.0 - Improve server monitoring **100%** - Investigate and improve indexing workflow **40%** - Implementation of MongoDB to improve speed of content retrieval from the database **100%**	- Switch query expansion (synonyms) on/off from search bar - Display abstract rather than single search result for searches by PMID, PMCID or DOI **100%**
Full text search/view mechanisms	- User research to identify user needs for searching/viewing content **90%** - Investigation into displaying text snippets from abstract/full text, containing user's search term, in search results **50%**	- Design new layouts for key search/abstract/article pages and conduct usability testing - Investigate and design display of data links on abstract pages using links from BioStudies	Prototype text snippets in search results and conduct usability testing to get feedback
Tools to support literature-based workflows	Community engagement planning **ongoing**	Add small citation graphs to abstracts **100%**	Widget to embed author profile graphs within 3rd party institution pages
Platform for innovation	Add new annotations: gene disease relationships, gene mutations and protein-protein interactions **80%**	Create API module to access cross links between articles and data **20%**	- Mechanism for precision linking between data resources and the literature - Participation in BioCreative text mining challenges
Integrate manuscript submission and related services	Merge sign in and user accounts for PMC Plus (manuscript submissions) and Europe PMC (saved searches) **80%**		

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[1] Some work currently in progress may continue into the 1st quarter of 2017. Work started in the 1st quarter may extend into the 2nd quarter.
[2] The roadmap indicates what we plan to work on in the 2nd quarter of 2017, although this may change depending on other priorities, user research and changes to requirements.

Last updated: 13/03/2017

Completed - September to December 2016

Europe PMC Objectives	Released/completed Sep - Dec 2016
High performance service, continuous improvements	• Improved management of user sessions between load balanced servers using Apache Ignite • API release v4.5.3, including new pagination method using Solr cursor mark • Bug fix for pagination issue • CC-0 license search option added to Advanced Search • Switched to https:// for PPMC content loading (NCBI request) • Parsed grant data from full text articles, to increase coverage of grant data linked to articles • Investigated MongoDB to improve speed of content retrieval from the database
Full text search/view mechanisms	• Added reverse sort orders for date and times cited • Author affiliations added to abstracts
Tools to support literature-based workflows	• Added structured data, improved code and created Google site-maps to boost search engine ranking
Platform for innovation	• Published a paper on SciLite annotations: https://wellcomeopenresearch.org/articles/1-25/v1 • Displayed SciLite annotations on all abstracts
Integrate manuscript submission and related services	• Investigated merging sign in for PMC Plus and Europe PMC accounts

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