

Innovative reader interfaces

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Challenges

1. Responsive design for OMP front-end
2. Interactive viewer for monographs and edited-volumes
3. MS-Word typesetting tool into XML (JATS)
4. Generate PDF files for reading and print-on-demand services

Responsive design - OMP Frontend

- free bootstrap theme
- Wrap OMP database using python web-framework (web2py)
- Present the data using web2py functionalities

<http://bootstraptaste.com/free-bootstrap-template-corporate-moderna/>
<http://www.web2py.com/>

Interactive viewer

- Integrate the lens-viewer into Web2py framework and extract metadata from OMP
- Extend lens viewer with omp metadata

<http://lens.elifesciences.org/>

Ms Word to XML

- Use metypeset to generate JATS XML
- Generate lens-viewer compatible JATS XML

<https://github.com/MartinPaulEve/meTypeset>

PDF Generation

- Currently using inDesign

Print-on-demand

- web2py onix plugin

Software

- will be released soon

Future

- XML to PDF generation
- XML Editor integration into
 - Web2py application
 - OMP Backend