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OA repositories and research e-infrastructure

In nearest years many OA repositories (OARs) owners in Europe will be involved into connecting their isolated repositories with a universal research e-infrastructure (e.g. as a part of European Research Area activities). In the Socionet project (http://socionet.ru/, started 10 years ago as a RePEc mirror in Russia) we are integrating local institutional OARs (at metadata level) into common information space and designing research e-infrastructure as supplementary tools and services to produce an added value from integrated OARs' metadata.

Building the Socionet based research e-infrastructure we focused on following challenges:

(1) How should we construct, in form and function, a system for sharing research results from local OARs so as to provide maximal usage?

(2) How can a model of scientific citation be upgraded so that electronic deposit tools at OARs and analysis tools at e-infrastructure can generate maximally comprehensive and accurate data on the uptake, usage and impact of research results?

(3) How should the research e-infrastructure generate new online metrics sufficient for research assessment of higher quality, sensitivity, breadth, accuracy, reliability, and validity than current metrics?

Suggested poster will show current concept and first results in achieving listed challenges by the Socionet project.

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