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## **WEKO3: an Invenio 3 based Institutional Repository Software - current development status and future plan**

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“JAIRO Cloud” has been provided as the shared repository service in Japan since 2012 by National Institute of Informatics. In April 2019, the number of institutional repositories in Japanese universities based on JAIRO Cloud is exceeded 558, which covers 70% of the number of institutional repositories in Japan. Nowadays, it has become to be widely recognized as the institutional repository infrastructure in Japan.

JAIRO Cloud is built using a repository software “WEKO” developed from scratch by National Institute of Informatics. First version of WEKO is released in 2008. WEKO has been developed as a content management module and is characterized by its ease of use and ease of customization. It has been being developed while reflecting actual user voices of JAIRO Cloud.

On other hand, With the rise of the open science movement in recent years, the content handled by repository software is becoming more diverse and bigger than before. As a result, WEKO has been required scalability and extensibility for supporting diversity of research data. However, WEKO built on traditional WEB architectures, had difficulty supporting the requirement. We needed to develop a new generation of WEKO. Therefore, we compared major open source repository software such as DSpace, EPrints and Fedora and chose Invenio version 3 for our purpose and started development of new version of WEKO (hereinafter called WEKO3).

In this presentation, we will briefly introduce our background, and introduce the functions, features, problems, and future plans of WEKO3 under development.

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