



# EMIF Deliverable 14.5: A data management solution for vertical projects, version 2

## Executive summary

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The data management solution for vertical projects, version 2 has continued on the work described in deliverable 14.2 (A data management solution for vertical projects, version 1). This deliverable will highlight the additional developments on tranSMART, but will not re-iterate the descriptions already provided in deliverable 14.2.

The work has continued largely along the same work streams described in deliverable 14.2. The main shift has been towards setting up tools and processes for an intensified collaboration and coordination with the EMIF AD vertical, to make sure we align our efforts with the needs of the users and provide support for their tasks and deliverables.

- Developing a taxonomy: the focus of the tranSMART taxonomy has shifted from “organizing information” to the development of a full ontology that allows data harmonization for trial pooling and cross trial queries. The main target was to shift responsibility for the content of the ontology from EMIF Platform to the subject matter experts in EMIF AD.
- tranSMART: Data loading for the cohorts mentioned in deliverable 14.2 has continued. Data loading efforts were concentrated on priority variables selected by EMIF AD. In the back office, the server environment at Custodix was maintained at the tranSMART 1.1 release for the production server. A new tranSMART release (1.2) became available in September 2014 and was installed on a test server for regression testing prior to production release. User support processes were also set up (help-desk).
- Security: an account request procedure was set up to make sure data owners maintain control over access to their data at all times.
- Data de-identification: methods for data de-identification were described extensively in deliverable 14.2. Data loading procedures in tranSMART required that datasets, for which data owners were unsure of de-identification requirements, be de-identified by Custodix before they could be made available to the tranSMART team for data upload.
- Additional requirements: extensions to tranSMART functionality were prioritized based on feedback from key users in EMIF AD. However, apart from a clear demand for more data and more cohorts, there was no agreement on priorities for other possible extensions.

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