

Implementation of CIDOC CRM ontology in Ukraine for the development of the documentation systems and data exchange

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Recently the museum and cultural heritage accounting system have been radically changed in Ukraine.

Traditional approaches that have remained unchanged since the 1980s did not meet current challenges.

Firstly, in terms of data and collections security. All complete information about museum collections was stored on the analogue carriers in those museums only. That is why after the occupation of the part of Ukraine in 2014 we also lost access to the museum and information about their collections as well.

Secondly, there is a request for another level of accessibility of data for their better analysis and presentation.

Therefore, during 2014–2017 in Ukraine has updated the regulatory and methodological basis of museum accounting. CIDOC CRM approved as a basic formal ontology for electronic accounting and description of museum collections. A national metadata scheme was developed to ensure the unification of museum objects data and related inventory data, on the basis of CIDOC CRM. The scheme structure is event based and provides fixation of descriptive and accounting information in the context of events and processes.

The development of a national scheme of metadata for the accounting of immovable objects of cultural heritage has also begun in 2017 on the basis of similar principles.

In general, we seek to form an integral complex of interrelated resources for documentation, presentation and research of movable, immovable and intangible cultural heritage objects through the implementation of the formalized ontology of CIDOC CRM, compatible metadata schemes and thesauruses.