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## **IZRK Metadata Portal: Cataloguing the multidisciplinary of karst (meta)data**

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Karstology is a multidisciplinary science that encompasses a wide range of earth and life sciences: hydrology, geology, biology, geomorphology, ecology, microbiology, speleology, and history of karst science. The Karst Research Institute ZRC SAZU reinforced its long tradition of excellent research by becoming the national coordinator and headquarters of three major environmental European RIs in Slovenia: LifeWatch ERIC, EPOS ERIC and eLTER RI. Karst Research Institute Data Centre recently established the IZRK metadata portal (<https://metadata.izrk.zrc-sazu.si>).

Built on the GeoNetwork platform, the portal adheres to FAIR data principles, collecting and mapping various datasets, databases, research sites, equipment, virtual labs, models, and codes. GeoNetwork core standards do not appear to be interoperable with DDI standards. Due to the open source nature and broader use of such platforms in various research domains, researchers are constantly confronted with these issues - which platform to use, which standards, so that they are able to satisfy multiple aggregation catalogues at European or global scale.

Here we present our practical approach to publishing metadata using different standards on one platform. We also propose theoretical and practical solutions to be platform independent and/or provide ad hoc conversion web services to transform and export metadata to other standards including DDI.

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