

Surveying the seafloor with multibeam echosounders



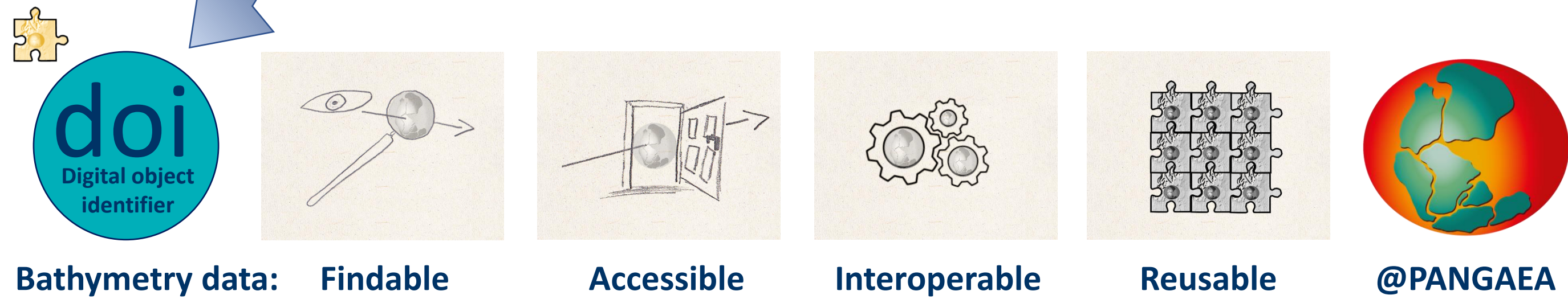
Data acquisition of bathymetry puzzle pieces

Prospective FAIR bathymetry data archiving in PANGAEA

- Data Publisher for Earth & Environmental Science

Data management of the "bathymetry data puzzles", an added value for the data life cycle

Abstract:

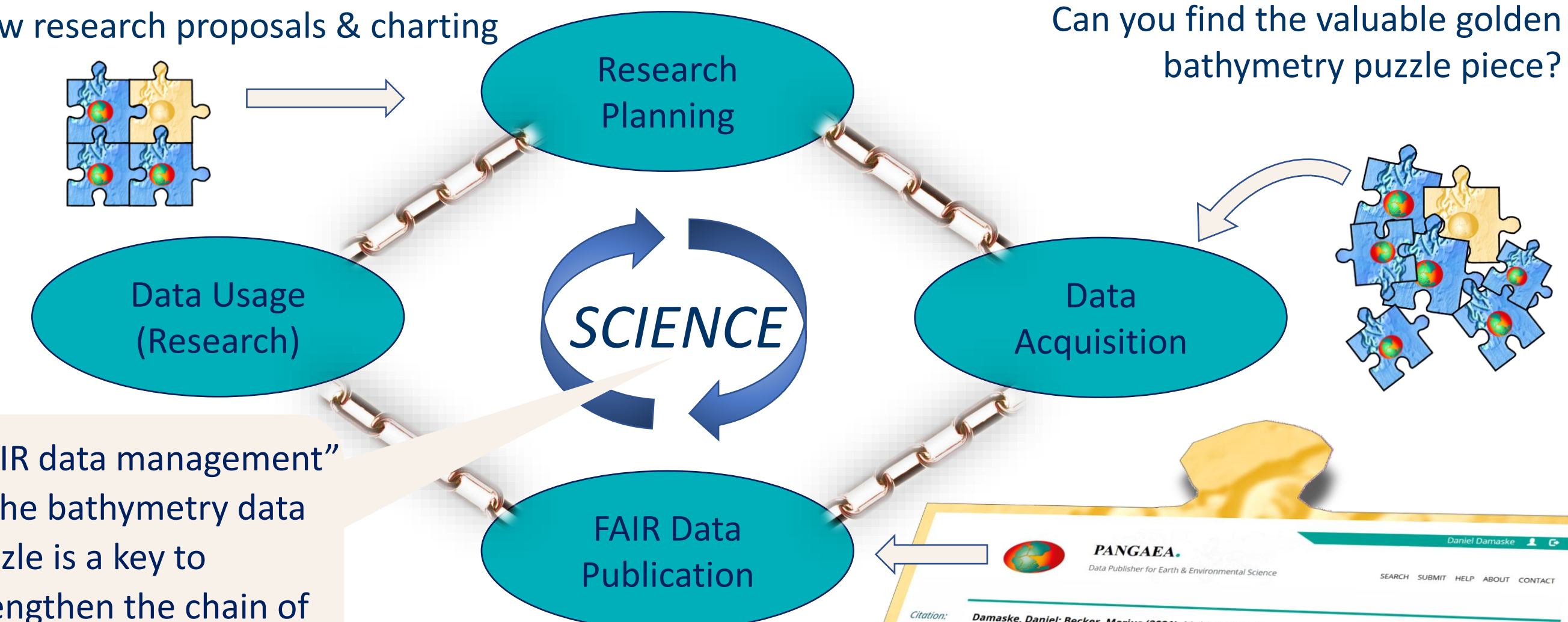


Compliant with the FAIR data principles, long-term archiving of bathymetry data from multibeam echosounders – a highly added value for the data life cycle - is the challenging task in the data information system PANGAEA. To cope with the increasing amount of data ("bathymetry puzzle pieces") acquired from research vessels and the demand for easy "map-based" means to find valuable data, new semi-automated processes and standard operating procedures (SOPs) for bathymetry data publishing and simultaneous visualization are currently developed. This research is part of the "Underway Research Data" project, an initiative of the German Marine Research Alliance (*Deutsche Allianz Meeresforschung e.V., DAM*)

Data life cycle of bathymetry data:

... "sorted" & published bathymetry puzzle pieces well-organized for new research proposals & charting

... "unsorted" & unpublished data. Can you find the valuable golden bathymetry puzzle piece?

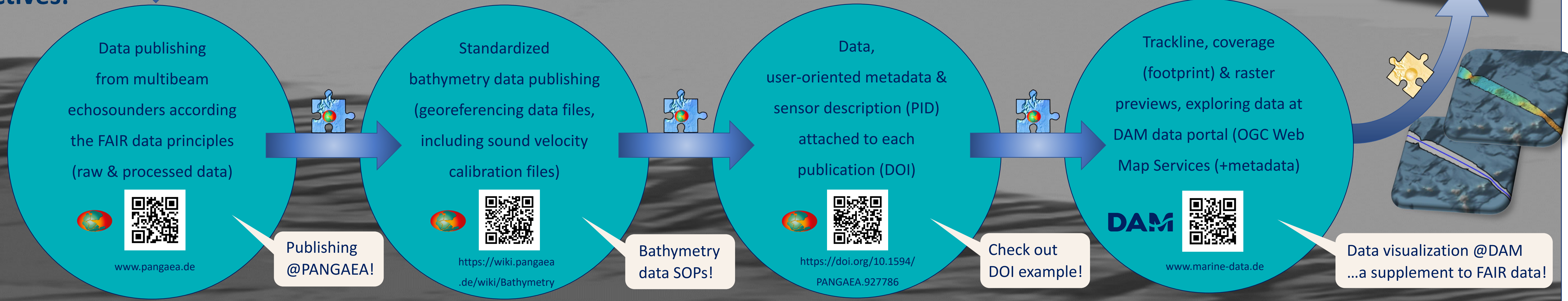


"FAIR data management" of the bathymetry data puzzle is a key to strengthen the chain of the data life cycle

Data publication @PANGAEA
Supplementary data visualization @DAM



Objectives:



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Project: Underway Research data (Core area: "Data Management and Digitization") German Marine Research Alliance (DAM) www.allianz-meeresforschung.de