Tri-Agency Research Data Management Policy: Data Storage

The International context

Dr. Karen Payne Associate Director, International Technology International Science Council, World Data System



Third Tri-Agency Policy Pillar Webinar on Data

Deposit 26 October 2021



I acknowledge with respect the lakwanan peoples on whose traditional territory I live and work, and the Songhees, Esquimalt and WSÁNEĆ peoples whose historical relationships with the land continue to this day.





Tri-Agency Research Data Management Policy

Institutional strategies should address "providing, or supporting access to, repository services or other platforms that *securely preserve*, *curate* and provide appropriate *access* to research data;"

"Grant recipients are required to deposit into a digital repository all digital research *data*, *metadata* and *code* that directly support the research conclusions in journal publications and pre-prints that arise from agency-supported research."

Curation

Done in stages, can be distributed

World Data Center for Climate at DKRZ (Germany) >1.5 million datasets





							SEARCH DEPOSIT LINK CONTENT PROVIDERS			Curation
	Data Repository WDCC World Data Center for Climate at DKRZ Web page: http://cena.www.dkrz.de [] (ofebuARE Data punded, REFERENCED DATASETS]) (GERMANY)						<pre><meta/></pre>			
┍→							<u>کر</u> ۶			Done in sta
	SUMMARY	RELATED CONTENT PROVIDERS	PUBLICATIONS	RESEARCH DATA 4,751	SOFTWARE	STATISTICS 11		PID		can be
	Description Disciplinary long-term archive for climate and earth system science data Results with funding information: 21						OAI-PMH: http://dm-oai.dkrz.de/3080/oai/provider Detailed information @ re3data.org Organizations: I <u>CSU WDS, DK82</u>			distributed

e in stages, De buted

World Data Center for Climate at DKRZ (Germany) >1.5 million datasets

Ę







Preservation

Goal: low latency and high bandwidth





Preservation

Cold vs. Hot Storage New data == Hot by default Automatically

Automatically migrate to lower tier depending on access and search metrics globalbiodata.org



DME SCIENTIFIC ACTIVITIES GOVERNANCE AND SUPPORT RESOURCES CONTACT

GLOBAL BIODATA COALITION

The Global Biodata Coalition (GBC) is a forum for research funders to better coordinate and share approaches for the efficient management and growth of biodata resources worldwide. The GBC aims to stabilize and ensure sustainable financial support for the global biodata infrastructure and in particular to identify for prioritized long-term support a set of Global Core Biodata Resources that are crucial for sustaining the broader biodata infrastructure.



Preservation

Alternatively: Data samples=hot storage; full datasets=cold



Data, Metadata and Code





Data, Metadata and Code







Data, Metadata and Code







Thank you!

Karen Payne

ito-director@oceannetworks.ca

