



**climate extremes**

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ARC centre of excellence

# Data management



# Context

ARCCSS/CLEX

- Started 2011
- Centre of excellence ~ super-project
- 5 nodes

My team: CMS - technical support team

My role: anything to do with data!

# At the start

- no DMP services available
- RDA was the only place we could publish metadata
- Actual data publishing could only happen via specific projects  
(e.g. CMIP)
- No way to expose data or get a DOI

# DMPonline

Discovered at e-research workshop

Adapted it for use by ARCCSS/CLEX

Main goals

- “Pushing” researchers to use DMPs
- Interface accessible to researchers to fill in information for RDA publication
- Educating researchers on data management

# Later on ...

NCI starts publishing data and we create the ARCCSS collection

DMPonline was adapted to provide the necessary plans:

DMP → export as xml → converted to NCI-geonetwork record  
using xslt → uploaded to their server

Current version:

<https://clex.dmponline.cloud.edu.au>

# Today ...

## Adding Zenodo collections

- One place to find all our data independently of where it is published
- Ability to publish code
- Researchers prefer it ???
- Long term past CLEX life
- Focusing on legacy
- CLEVER reporting system



## Communities created and curated by Zenodo users

CLEX

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**CLEX Code Collection:** [View](#)  
collection of code produced by  
the Australian Centre of Excellence for  
Climate Extremes.

The aim of this community is to collect the code and code documentation produced by the Centre of Excellence for Climate Extremes (CLEX). CLEX is a major initiative funded by the Australian Research Council (ARC). This Centre of Excellence is an...

Curated by: CLEX

**CLEX Data Collection:** [View](#)  
collection of climate science  
data

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# Challenges

- Researchers are time poor
- DMP are still seen as bureaucratic exercise
- Too many different services the change often but not a dedicated one
- Climate science is interdisciplinary and not yet organised to have their own clear standards

Challenge is to have a climate community solution

ARDC and FAIR helped a lot!!!!

# AMOS Creating a collaborative approach to climate data

Working groups - RDA style

- Working with challenging datasets
- Climate dataset guidelines
- Creation of a single catalogue/access point for climate data
- Enabling data access across institutions

With BoM, CSIRO and independents