A Catalogue of Groups involved in Earth, Space and Environmental Science Data and Research Infrastructures

No	Name	Web page/info	Reach (National, international)	Sector A(cademic) G(ovt) I (ndustry) P (ublisher)	Topics	Key Contact in RDA	Email	Further Comments
Dominantly Earth, Space and Environmental Sciences Data Infrastructure Building Activities								
1	AGU FAIR project	https://copdess.org/enabling-fair-data-project/ ; https://eos.org/agu-news	International	A, P	Earth and Space Science	Shelley Stall	SStall@agu.org	
2	ESIP	http://www.esipfed.org/	US mainly	G	Earth and Environmental	Susan Shingledecker	Susanshingledecker@esipfed.org	
3	EarthCube	https://earthcube.org/	US mainly	A	Geosciences	Christine Kirpatrick	christine@sdsc.edu	
4	USGS Community for Data Integration (CDI)	https://www.usgs.gov/cdi/	US mainly	G	Earth, Environment	Leslie Hsu	lhsu@usgs.gov	
5	OGC Geoscience Domain Working Group	http://external.opengis.org/twiki_public/GeoScienceDWG/WebHome	International	A,G,I	Geoscience	Mickael Beaufils	M.Beaufils@brgm.fr	
6	RDA Global Water Information Interest Group (GWIIG) / OGC Hydro Domain Working Group	http://external.opengis.org/twiki_public/HydrologyDWG/	International	A,G,I	Hydrology / WMO	Silvano Pecora; Zaslavsky, Ilya; Tony Boston; Fry, Matthew; Sylvain Grellet	specora@arpae.it zaslavsk@sdsc.edu tony.boston@anu.edu.au	
7	AuScope	http://www.auscope.org.au/	AU mainly	A,G	Earth and geospatial science	Tim Rawling	tim.rawling@unimelb.edu.au	
8	Terrestrial Ecosystem Research Network (TERN)	http://www.tern.org.au/	AU mainly	A,G,P	Terrestrial ecosystems	Siddeswara Guru	s.guru@uq.edu.au	
9	Integrated Marine Observing System (IMOS)	http://imos.org.au/	AU mainly	A,G	Marine	Sebastian Mancini	sebastien.mancini@utas.edu.au	
10	European Plate Observing System (EPOS)	https://www.epos-ip.org/	EU (ESFRI)	A, G, I	Geosciences	Massimo Cocco	massimo.cocco@ingv.it	
11	ENVRI	http://www.envri.eu/	EU	A,G,I	Environment, Earth	Ari Asmi, Helen Glaves	ari.asmi@helsinki.fi	
12	Environmental Data Initiative	https://environmentaldatainitiative.org/	US	A	Environment	Corinna Gries	cgries@wisc.edu	
13	Earth Systems Modelling	http://enes.org	EU	A	Earth System / Climate	Martina Stockhause	stockhause@dkrz.de	
14	Long Term Ecological Research (LTER) Network (Europe)	http://www.lter-europe.net/news/ilter-and-geo	International	A	Long term environmental research network	John Watkins	jww@ceh.ac.uk	
15	Group on Earth Observation (GEO)	http://www.earthobservations.org/	International	G	Earth Observation	Chris Schubert (GEO Coordinator for Austria)	chris.schubert@ccca.ac.at	
16	DataONE	www.dataone.org	International	A, G, P	Earth and Environ Sci	Matt Jones	jones@nceas.ucsb.edu	
17	Data Management Training Clearinghouse	http://dmtraining.esipfed.org	International	all	RDM Education	Nancy Hoebelheinrich	nhoebel@kmotifs.com	
18	IGSN e.V.	http://www.igsn.org	International	A, G	Earth, Environ., Space physical samples	Kerstin Lehnert	lehnert@ldeo.columbia.edu	
19	SeaDataCloud	https://www.seadatanet.org/About-us/SeaDataCloud	International, Europe	A, G	Marine domain			
20	Swim Drink Fish Canada	https://www.swimdrinkfish.ca/	Canada		enviro non-profit, standards, open data tools	Gabrielle Parent-Doliner	gabrielle@theswimguide.org	
21	Coalition for Publishing Data in the Earth and Space Sciences (COPDESS)	https://copdess.org/	International	A, G, P	Linking Earth and space science data to pubications	Kerstin Lehnert	lehnert@ldeo.columbia.edu	
22	ClimatePrediction.net	http://www.climateprediction.net	International	A	Climate Change & CC Impact	David Wallom	david.wallom@oerc.ox.ac.uk	
23	Data Tree	https://datatree.org.uk/	UK	A, I	Data management and curation training	Vicky Lucas	v.lucas@the-iea.org	
24	Deep Carbon Observatory	https://deepcarbon.net	international	A	Deep carbon data collection, management, and analysis	Mark Parsons, Peter Fox (decd)	parsom3@rpi.edu	
25	NERC Data Centres (NERC EDS)	https://nerc.ukri.org/research/sites/data/	UK	A	Thematic data centres for data from UKRI/NERC grant holders	Garry Baker		
26	UNESCO IOC IODE	https://iode.org	international	A,G	marine data from UN Member States	Cyndy Chandler, Peter Pissierssens	cchandler@whoi.edu, p.pissierssens@unesco.org	
27	Arctic Data Committee	https://arcticdc.org/	International	A, G		Peter Pulsifer	pulsifer@nsidc.org	
28	International Soil Reference and Information Centre (ISRIC)	www.isric.org	International		Soil	Fenny van Egmond	fenny.vanegmond@wur.nl	
29	Movebank	movebank.org, http://vocab.nerc.ac.uk/collection/MVB/current/	International	A	On-animal sensor data	Sarah Davidson	sdavidson@orn.mpg.de	
30	International Bio-logging Society Data Standardization Working Group	bio-logging.net	International	A, G, I	On-animal sensor data	Sarah Davidson	sdavidson@orn.mpg.de	
31	Environmental Systems Science Data Infrastructure for a Virtual Ecosystem (ESS-DIVE)	https://ess-dive.lbl.gov/	USA	A, G	Earth and Environmental Sciences, Biological	Joan Damerow	JoanDamerow@lbl.gov	
	PANGAEA	https://www.pangaea.de/	International (Germany based)	A, P	Earth, Environmental and Biodiversity sciences	Lars Möller, Janine Felden	lmoeller@marum.de, janine.felden@awi.de	
32	National Institute of Environmental Health Sciences	https://www.niehs.nih.gov	US	G	Environmental Health	Chris Duncan	duncancg@niehs.nih.gov	
33	ADC-IARPC-SCADM Vocabularies and Semantics Working Group	https://arcticdc.org/activities/core-projects/vocabularies-and-semantics-wg		A, G	Semantics and vocabularies for all things cryo/polar	Rebekah Ingram, Oystein Godoy	RebekahIngram@cmail.carleton.ca, o.godoy@met.no	
34	Food Systems Implementation Network	https://www.go-fair.org/implementation-networks/overview/food-systems/	International	A,G, I	Food Systems (Agriculture and Nutrition)	Ben Schaap	ben.schaap@wur.nl	
35	Code Ocean	https://codeocean.com/	International	A, P	Executable enviroments leveraging Docker (Code, Data, Enviroment)	Pierre Montagano	pierre@codeocean.com	
36	EOSC Life	https://elixir-europe.org/news/eosc-life-start	EU	A, G	Life sciences (inc. biology etc.) FAIR data			
37	Astromaterials Data System	http://www.astromat.org	USA	A, G	Planetary Sciences	Kerstin Lehnert	lehnert@ldeo.columbia.edu	
38	MERIDIAN - Marine Environmental Research Infrastructure for Data Integration and Application Network	https://meridian.cs.dal.ca/	Canada	A	Marine acoustic, open analysis and visualization tools	Ines Hessler	ines.hessler@dal.ca	
39	ChEESE - Centre of Excellence for Exascale in Solid Earth	https://cheese-coe.eu/	EU	A,	Geophysics, Hazards (earthquakes, landslides, tsunamis and volcanic eruptions)	Someone from Europe		
40	Irish Digital Ocean	http://digitalocean.ie/	National (Ireland)	G	Marine, some coastal terrestrial. Looking for biodiversity	Adam Leadbetter	adam.leadbetter@marine.ie	
41	Loop - Enabling Stochastic 3D Geological Modelling	http://www.loop3d.org (in construction)	International	A,G, I	Earth, Environment, Resources mangement	Laurent Ailleres	laurent.ailleres@monash.edu	
42	GEOMORE							
43	Geochemical Baselines							
44	OneGeology							
45	Integrated Carbon Observation System (ICOS)	https://icos-ri.eu/; https://icos-cp.eu	European	A(,G)	Greenhouse gas and environmental (atmosphere,	Maggie Hellström	margareta.hellstrom@nateko.lu.se	
46	"Aerosol and cloud life cycles in the Amazon"	https://bv.fapesp.br/en/auxilios/98922/aerosol-and-clouds-life-cycles-in-amazonia-biogenic-emissions-biomass-burning-and-	International	A	Aerossols measurements	Pedro Luiz Pizzigatti Corrêa	pedro.correa@usp.br	
47	NEON		largely National		environmental observatory	Hank Loescher		
48	ORNL DAAC (Fluxnet)	https://daac.ornl.gov	International	Academic	gaseous fluxes (N, O, C, H and combination)	Bruce Wilson, Bob Cook		
49	NASA Science Data Archives	https://science.data.nasa.gov	international	G, A	Data friom all NASA Science Divisions (Earth Science, Heliophysics, Astrophysics, Biological and Physical science, Planetary Sciences)	Mark Parsons	map0046@uah.edu	
50	GFZ Data Services	https://dataservices.gfz-potsdam.de/	International	A	Earth sciences data including geodesy, geophysics, long-tail	Kirsten Elger	kelger@gfz-potsdam.de	
51	4TU.ResearchData	https://data.4tu.nl/info/	International	A	Data from applied and exact sciences, with dedicated focus	Marta Teperek	m.teperek@tudelft.nl	
52	Global Ocean Observing System	https://www.goosocean.org/	International		Ocean observing data			
53	Canadian Integrated Ocean Observing System	https://cioos.ca/	Canada		ocean data	Reyna Jenkyns	reyna@uvic.ca	
54	National ecological survey protocols and data standards for Australia	None yet	Australia	G, A, I	Ecological and biodiversity data	Siddeswara Guru	s.guru@uq.edu.au	
55	Space Ontology and Knowledge Modeling	https://purl.org/space-ontology https://ontospace.wordpress.com	International		Astro-related topics, space domain (broadly construed),	Robert J. Rovetto	rrovetto@terpalum.umd.edu ontologos@yahoo.com	
56	Global Open Data for Agriculture and Nutrition (GODAN)	https://www.godan.info/	International	G, A, I	to support global efforts to make agricultural and nutritionally	Martin Parr	m.parr@cabi.org	
57	German Climate Computing Center (DKRZ)	https://www.dkrz.de/en/	International, but mostly Germany	A	RDM of simulation-based ESS data (DMP, Publication, Dissemination, Provision, long-term archival, FDOs); hosts the World Data Center for Climate (WDCC)	Karsten Peters-von Gehlen, Ivonne Anders, ...	peters@dkrz.de, anders@dkrz.de, ...	
58	NASA Earth Science Data Systems	https://earthdata.nasa.gov	International	G	Earth science data in various disciplines (data products derived from satellite- airborne- and in situ observations)			
59	Global Lake Ecological Observatory Network	https://gleon.org/	International	A, I, G	innovative science by sharing and interpreting high-resolution sensor data to understand, predict and communicate the role and response of lakes in a changing global environment. Provides a data repository facility.			
60	Global Ecosystem Research Infrastructures	https://www.icos-cp.eu/event/1172 - note that this initiative is currently "on hold", and probably should not be included in this spreadsheet as it isn't really a "group"	international	A,G,I,	GERI is an integrated network of site-based research infrastructures dedicated to better understand the function and change of indicator ecosystems across global biomes. It aims to support excellent science that can also inform political and managerial decision-making addressing societal challenges.			
61	South African Environmental Observation Network	https://www.saeon.ac.za/	South Africa	A,G,I,	South African Environmental Observation Network (SAEON) is a long-term environmental observation and research facility of the National Research Foundation (NRF). SAEON's three focus areas are environmental observation, data management and education outreach. SAEON has a distributed network of seven nodes, two research infrastructures and a national office.			
62	Planet Research Data Commons (Planet RDC)	https://ardc.edu.au/program/planet-research-data-commons/	Australia	A, G, I	National-scale data infrastructure for earth and environmental research and decision making.	Kerry Levett	kerry.levett@ardc.edu.au	New initiative in 2023.
63	Destination Earth		Europe					
63	Geo-INQUIRE	https://www.epos-eu.org/geo-inquire,	Europe					
65	Digital Twin for GEOphysical extremes (DT Geo)	https://dtgeo.eu/project/	Europe					
67	OpenMindat	https://www.mindat.org/mesg-567769.html	US					
68	IPCC Data Distribution Centre (DDC)	https://ipcc-data.org	int.	A, G	jointly managed by int. partners and supporting the IPCC Assessment and long-term preservation of data and software underpinning assessment reports incl. documentation and interlinking	Martina Stockhause	stockhause@dkrz.de	
69	Atmospheric Radiation Measurement (ARM)	https://www.arm.gov/data/	International	A/G	ARM data include routine data products, value-added products (VAPs), field campaign data, complementary external data products from collaborating programs, and data contributed by ARM principal investigators for use by the scientific community. Data quality reports, graphical displays of data availability/quality, and data plots are also available from the ARM Data Center.	Giri Prakash	palanisamyg@ornl.gov	
70	Center of Studies of Sustainability of the Amazon Rainforest - CEAS - University of São Paulo - Brazil	https://datamap.pcs.usp.br/	International (regional)	A	Repository to better understand the functioning of Amazonia, aimed at integrating and supporting the synthesis of aerossol data the enormous amount of data generated in this region of Latim America.	Pedro Luiz Pizzigatti Corrêa		
1	World Data System (WDS)	www.world-data-system.org/	International	A	Data Stewardship	AS to recollect the person!!! Suzie Allard is the supervisor of the Tennessee office	~~rdowns@ciesin.columbia.edu~~ ~~rorie.edmunds@worlddatasystem.org~~	
2	ICSU/ISSU/CODATA Data Integration Commission	http://www.codata.org/strategic-initiatives/commission-on-standards	International	A		Simon Hodson		
3	Arctic Data Center	https://arcticdata.io	International	A	Data Preservation	Amber Budden	aebudden@nceas.ucsb.edu	
4	EISCAT Scientific Association	www.eiscat.se	International	A,G	Geospace environment	Ingemar Häggström	ingemar.haggstrom@eiscat.se	
5	Belmont Forum e-Infrastructure and Data Management	http://www.bfe-inf.org/	International, Funders	A, G	Environmental Sciences			
6	GEANT (he pan-European data network for the research and education community)	www.geant.org	International, Europe	A, G	Regional Research and education computer network.	Chris Atherton	chris.atherton@geant.org	
7	INSPIRE	https://inspire.ec.europa.eu/	International, EU	G	Environmental data	Chris Schubert (Control Body for INSPIRE Registry & EC expert for data models)	chris.schubert@ccca.ac.at	
8	CHORUS	http://www.chorusaccess.org	International	A G P	All data from funded research	Howard Ratner	hratner@chorusaccess.org	
9	National Center for Supercomputing Applications (NCSA)	http://ncsa.illinois.edu	National	A	Data from partner projects, data systems, software systems, computing systems	Daniel S. Katz	d.katz@ieee.org	
10	Cyber Infrastructure Center of Excellence Pilot	https://cicoe-pilot.org/	National	A G	Cyberinfrastructure for Large Facilities	Jane Wyngaard, Charles Vardeman	jwyngaar@nd.edu, cvardema@nd.edu	
11	Australian Research Data Commons							
12	FAIRsharing	https://fairsharing.org	International	A	Cross-domain	Peter McQuilton, Susanna-Assunta Sansone	peter.mcquilton@oerc.ox.ac.uk	
13	CoreTrustSeal	https://www.coretrustseal.org	International		Repository certification	Rorie Edmunds (no longer there: June 2021)	info@coretrustseal.org	
14	GO FAIR	https://www.go-fair.org/	International	A	FAIR principles	Erik Schultes	Erik Schultes <erik.schultes@go-fair.org>;	
15	Polar Data Enhancement Research group (POLDER)	https://polder.info	International	A G	Transdisciplinary discovery			
16	re3data (Registry of Research Data Repositories)	https://www.re3data.org/	International	A	Cross-domain	Robert Ulrich Kirsten Elger Nina Weisweiler Michael Witt	robert.ulrich@kit.edu kelger@gfz-potsdam.de nina.weisweiler@os.helmholtz.de mwitt@purdue.edu	
17	European Data Spaces	http://dataspaces.info/common-european-data-spaces/#page-content	Europe					