



ENVRI  
FAIR

# ENVRI-FAIR WP4 Fourth Policy Workshop

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# Agenda

- 1335-1340 Introduction and purpose (Keith)
- 1340-1350 Review briefly workshops 1,2,3 (Keith)
- 1350-1420 Target state of RIs and ENVRI-Hub (Keith)
  - List of policies required
  - 3 special policies
  - \*interactive session – discussion on list of policies – agreement\*
- 1420-1430 BREAK
- 1430-1510 State in RIs from landscape survey (Mairi)
  - Gaps and plans to fill them
  - \*interactive session – sub-domains/RIs report on plans\*
- 1510-1520 Roadmap and integrated plan across RIs and ENVRI-Hub (Keith)
- 1520-1530 Conclusions (Keith)

# Workshop 1

## A Framework for Policy

- 1. Why policies needed?
  - Legal (with implications of liability)
  - Governance (ensure activities are done correctly)
- Constraints and drivers for policies in ENVRI and ENVRI RIs
  - EOSC: has its own policies, guidelines and conditions
  - FAIR: the FORCE11 FAIR principles
  - ENVRI-Hub: the requirements of the architecture
- Framework for policy/governance
  - Policies : the organisational intent
  - Guidelines (best practice): the way this intent is achieved
  - IT Implementations (technology): how the governance is supported by IT
- ENVRI Policy Model

# Missing from Workshop 1

- 🌀 The need for Policy in ENVRI RIs and ENVRI-Hub
  - 🌀 for interoperability, FAIR and EOSC
- 🌀 There is no point having technical interoperability
  - 🌀 Conversion to common canonical rich metadata format describing digital assets;
  - 🌀 Mechanisms for discovery, contextualization
  - 🌀 Mechanisms for download
  - 🌀 Mechanisms for workflow composition / orchestration / deployment
- 🌀 If the technical infrastructure cannot be activated due to
  - 🌀 Legal obstructions (e.g. GDPR)
  - 🌀 Terms and Conditions of use of digital assets and access to them
  - 🌀 Licensing (dealing with rights and obligations of provider and user)

# Workshop 2

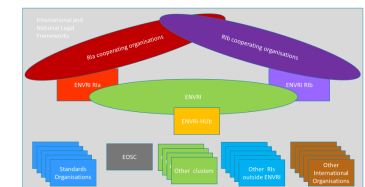
## Requirements, Policy Statements

- 1. Framework agreed
- 2. Group discussions on policy statements
- 3. Relationship of policies/guidelines/IT implementation agreed
- 4. Relationship to IT: EPOS example discussed



# What is Missing from the Framework?

- (1) There is no mention of cookies;
  - (2) Liability is mentioned (under sustainability) but its relationship to Terms and Conditions (T&C) generally is unclear, although mentioned with respect to the T&C for conditions of use of EOSC, namely SROP7, SROP28;
  - (3) More generally, T&C is not mentioned in the context of policies;
  - (4) The General Data Protection Regulation (GDPR) is also only mentioned in the context of EOSC conditions namely SROP23 yet has much wider application (and legal consequences) throughout ENVRI related to a policy on personal privacy;
  - (5) The e-Privacy Directive of the European Commission is not mentioned;
  - (6) There is no mention of Responsible Research and Innovation (RRI);
  - (7) There is no mention of physical security, disaster recovery and related policies
- 🌐 These deficiencies are serious, pervasive and also have potential consequences if not addressed. Thus, the policy environment for ENVRI has been re-drawn to take account of the wider context



# Missing after Workshop 2

- 🌐 Despite the landscape survey (D4.2)
  - 🌐 A clear picture for each RI of
    - 🌐 Where we are now
    - 🌐 The roadmap for the future
- 🌐 Agreement on and understanding of the list of missing items in the previous slide
- 🌐 A method to get from a hypothetical framework
  - 🌐 To usable policy documents
    - 🌐 For each RI
    - 🌐 For ENVRI-Hub
  - 🌐 That are congruent so that technical interoperability is supported by policy interoperability
- 🌐 A method to get from policies to guidelines to IT implementation
  - 🌐 Throughout ENVRI and interfacing to external systems such as EOOSC

# Workshop 3

- 🌊 Creating policies from policy statements
- 🌊 Creating guidelines (introduction)
- 🌊 IT implementation (introduction)
- 🌊 The three key documents related to policy
- 🌊 Policy related to ENVRI Catalog
- 🌊 Discussion and conclusion

🌊 This is based on examples from various RIs presented and compared, and the work done by the Policy Group within EPOS which is used as an example.

Taking into account the deficiencies discovered in analysis of the framework and its policy statements, and incorporating those aspects of policy



# Missing after Workshop 3

- 🌊 Up-to-date landscape survey (D4.5)
  - 🌊 A clear picture for each RI of
    - 🌊 Where we are now
    - 🌊 The roadmap for the future
- 🌊 Agreed Policies for ENVRI-Hub
- 🌊 Congruent policies across ENVRI RIs and ENVRI-Hub

# Workshop 4

## Today

- 🌊 Target state of policy in
  - 🌊 ENVRI RIs
  - 🌊 ENVRI-Hub
- 🌊 Current State of policy in
  - 🌊 ENVRI RIs
  - 🌊 ENVRI-Hub
- 🌊 Roadmap and Integrated plan for policy in ENVRI

1. policies in scope
2. 3 key policies

# Policy Target for ENVRI RIs and ENVRI-Hub

# Policies in scope (proposed)


- Physical Security
- Disaster Recovery
- **Privacy**
- Authentication
- Authorisation
- **Terms and Conditions**
- **Cookies**
- Metadata
- Identifiers
- Licensing
- Curation
- Provenance
- Quality Assurance
- Acknowledgement
- Responsible Research and Innovation (RRI)

Note: there is always some intersection between some of the policies. For example, RRI includes open science which in turn relates to policies on metadata and others. Similarly, licensing relates to authorisation. Terms and conditions relates to many other policies. **Those in red were needed urgently for legal reasons and do not follow the current EPOS template.**


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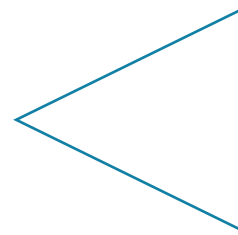
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Information we may collect about you

Your legal rights

Glossary



Policy  
Data Controller  
DPO contact details



Categories of personal data  
How is your personal data collected?  
How we use your personal data  
Communications  
Cookies  
International transfers  
Data security  
Data retention

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- 🌐 What are cookies?
- 🌐 Why we use cookies?
- 🌐 Are all cookies the same?
- 🌐 How to manage cookies using our website To give you the best experience on the cookie management side, we classify cookies





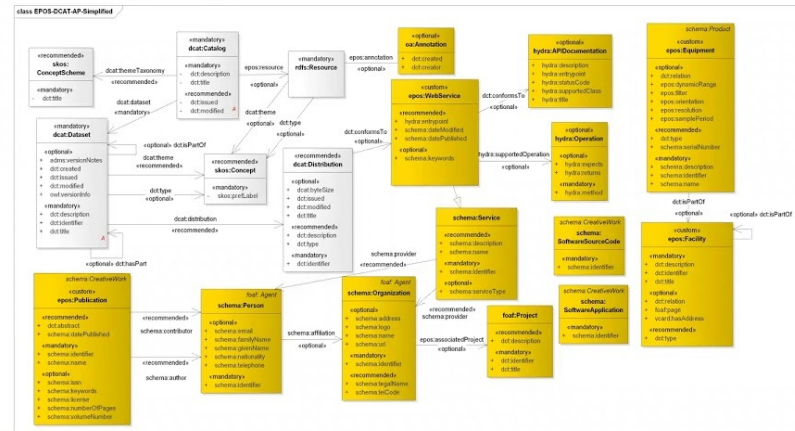
# Pause

- 🌀 Audience comments on the policies in scope
  - 🌀 Do you have these already implemented?
  - 🌀 If not do you have plans to implement them?
- 🌀 Audience comments on the three special ones
  - 🌀 Do you have these and the consent pop-up already implemented?
  - 🌀 If not do you have plans to implement them?

# Policies Related to ENVRI Catalog

## Catalog Ingestion

Extension (gold) DCAT → EPOS-DCAT-AP  
Still being extended towards CERIF completeness



# POLICY Interoperation

How do we achieve this in ENVRI: ENVRI-Hub / RI -RI / interface to EOSC

🌀 **Terms and Conditions**

T&C: Liability, respect terms

🌀 **Cookies**

Cookies: For certain functions (maintaining state) and collecting usage data

🌀 **Privacy**

Privacy: GDPR conformance

🌀 **Authentication**

Authentication: Valid user

🌀 **Authorisation**

Authorisation: Permission to access asset in appropriate modality

🌀 **Metadata (FAIR)**

🌀 Curation

🌀 Provenance

Metadata: discovery, contextualization, workflow orchestration including curation and provenance

🌀 **Licensing**

🌀 Acknowledgement

🌀 Citation

Licensing: usage conditions, attribution/citation/acknowledgement

All Require  
SUFFICIENT  
conformity for  
interoperation



# Pause

 Audience discussion on policy interoperation

 COMFORT BREAK

🌐 Updating Landscape

🌐 Gaps and Solutions

🌐 *Interactive session*

- 🌐 Sub-domains/RIs report on status/plans
- 🌐 Do the policies of your RI allow for ENVRI-Hub?
- 🌐 If not do you have plans to align them?

# Policy Landscape of ENVRI RIs (and ENVRI-Hub)

# "Legal" Policy Landscape

RI	IAGOS AISBL	ACTRIS	ICOS	EISCAT_3D	SIOS	eLTER	LifeWatch	DISSCo	AnaEE	EPOS	DANUBIUS	EURO-ARGO	EMSO	SeaDataNet
<b>Terms and Conditions</b>	<a href="https://www.ici-mon.com">https://www.ici-mon.com</a>	<a href="https://www.actris.eu/ppgm-">https://www.actris.eu/ppgm-</a>	<a href="https://www.icos-cp.eu/dat">https://www.icos-cp.eu/dat</a>	<a href="https://eiscat.scientist/data/">https://eiscat.scientist/data/</a>	<a href="https://www.sios-svalbard.">https://www.sios-svalbard.</a>		<a href="https://www.lifewatch.eu/terms-and-">https://www.lifewatch.eu/terms-and-</a>			<a href="https://www.epos-eu.org/sit">https://www.epos-eu.org/sit</a>			Coming soon	<a href="https://www.seadatanet.org/Data-">https://www.seadatanet.org/Data-</a>
<b>Liability</b>	<a href="https://www.iagos.org/imprint">https://www.iagos.org/imprint</a>	<a href="https://www.actris.eu/ppgm-">https://www.actris.eu/ppgm-</a>	<a href="https://www.icos-cp.eu/dat">https://www.icos-cp.eu/dat</a>		<a href="https://www.sios-svalbard.">https://www.sios-svalbard.</a>		<a href="https://www.lifewatch.eu/lw-">https://www.lifewatch.eu/lw-</a>			<a href="https://www.epos-eu.org/sit">https://www.epos-eu.org/sit</a>			<a href="https://data.emso.eu/home">https://data.emso.eu/home</a>	
<b>Cookies</b>	<a href="https://www.iagos.org/data-">https://www.iagos.org/data-</a>	<a href="https://www.actris.eu/ppgm-">https://www.actris.eu/ppgm-</a>	<a href="https://www.icos-cp.eu/priv">https://www.icos-cp.eu/priv</a>	<a href="https://eiscat.scientist/about/gdpr-general-data-">https://eiscat.scientist/about/gdpr-general-data-</a>	<a href="https://www.sios-svalbard.">https://www.sios-svalbard.</a>	<a href="https://elt-er-ri.eu/priv">https://elt-er-ri.eu/priv</a>	<a href="https://www.lifewatch.eu/privacy-">https://www.lifewatch.eu/privacy-</a>	<a href="https://www.dissco.eu/privacy-">https://www.dissco.eu/privacy-</a>		<a href="https://gnss-metadata">https://gnss-metadata</a>	Error: The domain does not exist	<a href="https://www.ifremer.fr/fr/credits-et-mentions-">https://www.ifremer.fr/fr/credits-et-mentions-</a>	<a href="http://emso.eu/privacy-policy/">http://emso.eu/privacy-policy/</a>	
<b>Privacy</b>	<a href="https://www.iagos.org/data-">https://www.iagos.org/data-</a>	<a href="https://www.actris.eu/ppgm-">https://www.actris.eu/ppgm-</a>	<a href="https://www.icos-cp.eu/priv">https://www.icos-cp.eu/priv</a>	<a href="https://eiscat.scientist/about/gdpr-general-data-">https://eiscat.scientist/about/gdpr-general-data-</a>	<a href="https://www.sios-svalbard.">https://www.sios-svalbard.</a>	<a href="https://elt-er-ri.eu/priv">https://elt-er-ri.eu/priv</a>	<a href="https://www.lifewatch.eu/privacy-">https://www.lifewatch.eu/privacy-</a>	<a href="https://www.dissco.eu/privacy-">https://www.dissco.eu/privacy-</a>	<a href="https://www.anaee.eu/legal-">https://www.anaee.eu/legal-</a>	<a href="https://www.icos-cp.eu/priv">https://www.icos-cp.eu/priv</a>	<a href="https://geoecomar.ro/politica-de-confidentialitate/">https://geoecomar.ro/politica-de-confidentialitate/</a>	<a href="https://www.ifremer.fr/fr/credits-et-mentions-">https://www.ifremer.fr/fr/credits-et-mentions-</a>	<a href="https://emso.eu/privacy-and-data-">https://emso.eu/privacy-and-data-</a>	<a href="https://www.seadatanet.org/Tools/Privacy-">https://www.seadatanet.org/Tools/Privacy-</a>

# "Interoperable" Policy Landscape

Priority Policies for Interoperability	Research Infrastructure	IAGOS AISBL	ACTRIS	ICOS ERIC (Carbonportal)	EISCAT_3D	SIOS	eLTER	LifeWatch ERIC	DISSCo	AnaEE	EPOS	DANUBIUS	EURO-ARGO	EMSO
<b>Licensing</b>	<b>1. Licence policy: Do you</b>	CC4.0 (subtype unknown) is	Not chosen yet. It has been	Yes, CC-BY 4.0. Official	"Rules of the road" are	Complex. SIOS documentation	NO there are several. Open	Not at moment. But will be	NO explicit choice yet.	Recommended licence CC-BY-	Yes/CC-BY/yes CC-BY-NC for	NO licence yet, NO	Open and free of data policy.	
	1.1. Is the	included in the	N/A, but will be	NO, working	NO	SIOS harvests	Only by	Once selected,	DISCCo service	Yes, CC-BY-	no	N/A	Yes (CC-BY	
	1.2. Is the	NO licence for	Has been	Most likely.	NO official, but	Not specifically.	Open in	NO (in the		Yes, official	yes/CC-BY/	N/A, same	Each netcdf	
	<b>2. Dataset definition: Do</b>	NO written definition. Data	Definition exists, included	Yes, Data objects and	Yes, definition exists:	NO strict definition, but it	Formal data set does not exist.	Not formally decided, but	Yes, primary digital asset	Dataset definition	We have datasets and	Heterogenous datasets, from	By platform, WMO number,	
	2.1. Do you	Versioning	Versioning	Levels exists.	Two levels of	Encourage data	Not centrallv.	As above.	Digital	Yes. two	ves. different	Data levels are	Monthlv	
	<b>3. Persistent identifiers: Do</b>	All have a PID. Data center	This is a strategy, and	Yes, official policy.	NO. No PID system is	Depends, every should have a	Preference to	Will be implemented by	Well understood in	DMP mentions each datasets	yes, but vairous PID schemes	Data policy (officially	Yes, At least at the level of a	
	3.1 Which	Usually DOIs	DOIs. policv	External	internal	See above	Heteroenous	Now used used	DataCite for	DOIs (provider	various: UUID.	DOI (externallv)	DOI (datacite).	
<b>Metadata (FAIR)</b>	<b>4. Metadata: Does your</b>	Yes, policy status unknown	Yes, all ACTRIS Data	Yes. LO	Metadata is included for all	Depends on the data.	Yes, there is a policy. At least	Yes, official policy. Task	Yes, official policy and key	Yes, part of DMP.	some communities	Yes this is required for new	NetCDF has included	
	4.1 Does your	ISO standards	Partly agreed.	W3C, own	Madrigal	Recommendati	Based on the	Yes. Best	Darwin Core	ISO metadata	there are >17	There is a	Yes, all	
	4.2. Does your	CF convention	CF is used,	Yes, own	Yes, Madrigal	Discovery	Yes.	Yes.	Yes. Multiple	AnaEE	yes, many	Not selected.	Yes, own	
	4.2.1. Are	CF. NO GCMD	CF not (of	Own one is.	EISCAT is a	Principle use	ENVTHES,	Developed	Most are	Yes	partially, some	NO selected.	The	
	4.3 Does your	NO for the	Quality control	Levels	Not really	Discovery	Main QC is	This metadata	Standards	Yes revision	yes - using	Yes, there is an	Yes, the	
	4.4 Do you	Yes, openly	Accessible (in	Handbook is	Have been part	Not from the	Yes, available	Yes, they will	Part of the	The metadata	yes via the	Proposed in the	Openly	
<b>Provenance</b>	4.5. Do you have a policy	Yes, metadata has Pls	Contributors select data	There is a policy on this.	"EISCAT" is the author. "PI" is	Comes from the data centres.	NO but the standard would	Lifewatch is not a exclusively	Authorship chain. political	Complicated. Revision	yes, we record persons with	Datasets must have identifiers,	Different levels, Authors are	
<b>Curation</b>	<b>5. Retention: Do you have a</b>	No. Perhaps part of the DMP	Not a policy, but general	NO sustainability is	Raw data is destroyed (but	Interoperability requires OAI-	NO policy on eLTER level	Not a policy. But nothing is	NO a policy, but community	Yes, all is kept part of the DMP	this varies among asset	Discussion on this, but	Everything is kept as much	
	5.1. Do you	See above.	Not in DMP,	NO nothing is	Yes, for raw	see above	NO policy on	Not in place.	NO but it	NO except if	this varies	NO policy on	NO the	
	5.2. Do you	Coretrustseal	NO.	Yes, there is	There is a	Data	Data is locally	Handled by the	Providers	External party	yes; each	NO.	Mentioned	
<b>Authentication/ Authorisation</b>	<b>6. Data Access: Do</b>	Written in the procedure	Yes, access policy exists,	Yes, data is certifiably FAIR.	"Rules of the road" -	Free and open, some services	For the LTER data products	AAI + accounting and	Everything is based on	Anyone can access.	yes	Authorisation is required	Everyone can access,	
	6.1. What are	a PI will	Depends,	End results are	Openly	Data No	Vary	Apply for	None	Most data no	login	NO review	No formalities	
	6.2. Is there a	n/a	Data centre(s)	Yes (informal),	Raw is	No restricted	Multiple ways.	NO, a	These should	No restricted	we are working	NO. There will	No restricted	
<b>Authorisation</b>	6.3. Do you	Not right now,	This is under	ORCID,	For the low	Not needed as	NO. But	NO, but under	Some services	Federated	external	Edugain is	NO	
<b>Citation/Acknowledgement</b>	6.4. Do you require users to	Registration requires	There is a need to cite. They	This is part of the data policy.	Acknowledgem ent is needed.	Recommended, but not really a	For some the products (which	Depends on the licence which	Work in progress.	Licences CC-BY require this.	yes/no - but working on this	Citation will be required, but	Yes. Required, but no way of	
	6.5. Is the	No	Will come with	CC4.0 BY	(not machine	NO not really.	NO	NO. (some	It is possible	Metadata	yes (document)	N/A	yes, see above	
<b>Licensing</b>	<b>7. Ownership and rights: Do</b>	Ownership and rights are	Owner is the data originator	Yes, official policy, by	EISCAT owns the data.	SIOS has no licence for the	No (when there is a	NO ownership is claimed for	DISSCo consortium will	Platform or PI owns the data.	yes - part of contract (and	Discussion on this. Ownership	Network requires the	
<b>Curation</b>	<b>8. Service availability:</b>	Right now NO but probably	NO, but planned.	Probably related to FAIR	No	NO formal agreement, but	For the DEIMS best effort	LW ERIC is defining those	Not developed, but	Based on large commercial	yes	24/7 is intended. So	two global data central	
	<b>9. Is there a policy for</b>	Should be, but NO decision	90% goal for data &	Yes, carbon portal, raw data	No	It is a practice, but not a	NO.	Not a policy on this yet.	Yes, at least in practice, being	If a platform as a long term	yes, replicated ICS-C protal	Is agreed on the overall level.	yes	
	<b>10. Policy availability.</b>	Yes, DOIs for products. The	(data policies in attachment,	In general this is the goal,	No	SIOS DMP and Data policy are	Deliverables are available in the	Publish every decision	Working on the DISSCo	Yes, but not approved.	yes - published on website /	Should be available on the	Each significant document has	

# Resources are available e.g. Policy Statement examples from 2<sup>nd</sup> Policy

Administration-related Policy Statements (G2) ☆ 🔄 ☁

File Edit View Insert Format Data Tools Extensions Help Accessibility

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A1 fx Policy statement title:

	A	B	C	D	E	F	G
1	<b>Policy statement title:</b>	<b>Policy statement identifier:</b>	<b>Example statement text:</b>	<b>Description:</b>	<b>Policy requirements:</b>	<b>Policy connections:</b>	<b>Application notes:</b>
2	Data deletion policy	ENVRI-SUST-2	RI develops and upkeeps a process for data deletion or reduction, including relevant changes to metadata if this is necessary.	This process should include issues such as prioritization, criteria for deletion/removal and what is done for the metadata records.	(Derived secondary)	Implied by ENVRI-SUST-1	This policy is not often considered in ENVRI RIs at the moment, but should be included. Reasons for deletion can be numerous, such as lack of resources, erroneous data, mistakes in data processing, intentional sabotage or manipulation of datasets, etc. In the minimum such processes could be just referred as "no datasets will be deleted", and changed if needed.
3	<b>Comments:</b>						
4	Public access to policies	ENVRI-SUST-3	Policy documents and publicly available and linkable from the metadata	This publicity is important for the users and EOSC to ensure that proper ethical, legal, and commonly accepted scientific processes are followed	RROP18	This is a "policy of policies" and more a general requirement for policy decisions.	Also required by the recommended policy format (Appendix 4)
5	<b>Comments:</b>						
6	Liability evaluation	ENVRI-SUST-5	Infrastructure service design must include considerations to limit liability for the RI	The service liability (inc. data quality issues, etc), should be considered by the RI, and, if needed, documented in the usage license.	RROP20	ENVRI-ACCESS-4 for the data licence	This policy decision can require further evaluation from the Policy legal support Task
7	<b>Comments:</b>						
8	Licensing rights	ENVRI-SUST-6	RI must have a right to license the production datasets for further use.	The data licenses assume that the RI has a right to license (and thus share) the production datasets. This must be ensured by written contracts or some other legal documentation.	RROP24	Implied by ENVRI-ACCESS-4 and ENVRI-ACCESS-5	In most cases, this should be a part of the contracts for being part of / asset supplier to the RI, but special care should be maintained for RIs which allow user-uploaded datasets.
9	<b>Comments:</b>						

## Revision of the IOC Oceanographic Data Exchange Policy



# Landscape Update Plans

- 🌊 Update Survey with RIs, including updated priority policy areas (end February)
- 🌊 Gaps - assist with templates, shared best practices
- 🌊 D4.5, feeding into further deliverables

# *Interactive session*

- 🌊 Sub-domains/RIs report on status/plans
- 🌊 Do the policies of your RI allow for ENVRI-Hub?
- 🌊 If not do you have plans to align them?

# Solid Earth State/Plans for Interoperation with ENVRI-Hub

## Checklist

Terms and Conditions

Cookies

Privacy

Authentication

Authorisation

Metadata (FAIR)

Curation

Provenance

Licensing

Acknowledgement

Citation



## State

Yes including consent checkbox

Yes including consent checkbox

Yes including consent checkbox

Partially – planned next few months

Yes

Yes

Yes

}  
}

Capability, not implemented fully



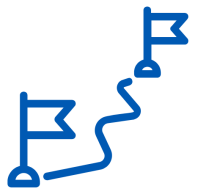
# Atmospheric sub-domain update/plans

- 🌐 RI's in process of onboarding to ENVRI-Hub
- 🌐 FAIRly complete data policies
- 🌐 All use CCBY4.0 for the quality assured, regular data and NRT data except for EISCAT-3d, they do not have any license associated to the data. ICOS and ACTRIS do also align for level 0 data if these are available, although various embargos apply. IAGOS and EISCAT do not provide level 0 data.
- 🌐 SIOS do not have their own data, but in most cases rely in other networks and RIS, and apply the license used there. They have a system for transfer the information etc.



# Biodiversity and Ecosystem sub-domain

M44 D 11.5



M24 D 11.2

		AnaEE	DANUB.	DiSSCo	eLTER	ICOS	LW	SIOS
Data Catalogue federation	Catalogue Online	No	No	No	Yes	Yes	Yes	UD
	Dataset harvesting support	Yes	TBD	TBD	Yes	Yes	Yes	Yes
	DCAT metadata coverage	None	TBA	TBA	None	None	Complete	None
	Programmatic data access with APIs	UD	Partial	UD	Complete	Complete	Complete	Complete
User federation	Identity Provider, Open Id connect, SAML 2.0, OAUTH tokens, multifactor authentication							
Tech.gies and Certifications	SparQL endpoint	Yes	No	No	No	Yes	No	No
	PID coverage	Agreem. pending	None	None	Partial	Complete	Partial	Partial
	Repository certification	Int	Not Int	Not Int	Not Int	Int	Not Int	Not Int
Policies and Licenses	DMP status	Draft	UD	Draft	UD	Final	UD	Final
	Suggested Data licenses	A set of licenses	A set of licenses	A set of licenses	Any license	Single license	A set of licenses	A set of licenses
	Machine readability of licenses	Partial	Partial	TBA	Partial	Complete	Partial	Partial
	Data as a service	No	No	To be planned	Yes	Yes	No	No

Table 5. Overview of current Data catalogue federa

	Catalogue Online	Dataset harvesting support	DCAT metadata coverage	Programmatic data access with APIs
AnaEE	Yes	Yes	Complete	Complete
DANUBIU S-RI	No	To Be Designed	To Be Assessed	Partial
DiSSCo	Yes	To Be Designed	To Be Assessed	Under Development
eLTER RI	Yes	Yes	Complete	Complete
ICOS ERIC	Yes	Yes	Partial	Complete
LifeWatch ERIC	Yes	Yes	Complete	Complete
SIOS	Under Development	Yes	None	Complete

M54 D 11.6

FAIRness Implementation Roadmap



# Marine coordination on catalogue – ENVRI-hub

- 🌀 The ENVRI-hub test site is online [https://hubtest.envri-fair.eu/cservicesmain\\_dev](https://hubtest.envri-fair.eu/cservicesmain_dev)
  - 🌀 Nine entries from Marine subdomain already there  
How to proceed to complete the Marine entries ?
  - 🌀 A series of issues to fix on the 9 entries
    - 🌀 Open tickets on detected anomalies <https://iagos-comm.fz-juelich.de/boards/66/topics/172>
  - 🌀 A request from Uli : adopt API health check best practice for Marine data services ?
    - 🌀 Example of health endpoint : <https://opensearch.ifremer.fr/health>
- 🌀 And more on
  - 🌀 Adopt the ENVRI-hub keywords vocabulary
  - 🌀 DCAT profile convergence between the sparql implementations
  - 🌀 RIs to add quality information in their dataset DCAT using DQV (Data Quality Vocabulary)
  - 🌀 Implementation of i-adopt for observable properties (**semantic repositories**)

**We plan a Marine workshop to coordinate and improve our contribution to the catalogue, now visible on ENVRI-hub**



# Data policy essential requirements

We understand that the data policy essential requirements are:

- On RI editorial web sites data policy should inform on:
  - Privacy
  - Terms and conditions
  - Cookies

Today's status for the 5 Marine RIs

- |   |                         |  |                         |
|---|-------------------------|--|-------------------------|
| • <a href="https://www.euro-argo.eu">https://www.euro-argo.eu</a>   | <a href="#">privacy</a> | <a href="#">terms &amp; conditions</a> | <a href="#">cookies</a> |
| • <a href="https://www.seadatanet.org">https://www.seadatanet.org</a>                                       | <a href="#">privacy</a> | <a href="#">terms &amp; conditions</a> | <b>cookies</b>          |
| • <a href="https://emso.eu">https://emso.eu</a>   | <a href="#">privacy</a> | <a href="#">terms &amp; conditions</a> | <a href="#">cookies</a> |
| • <a href="https://www.lifewatch.eu">https://www.lifewatch.eu</a>   | <a href="#">privacy</a> | <a href="#">terms &amp; conditions</a> | <a href="#">cookies</a> |
| • <a href="https://www.icos-cp.eu/observations/ocean/otc">https://www.icos-cp.eu/observations/ocean/otc</a> | <a href="#">privacy</a> | <a href="#">terms &amp; conditions</a> | <a href="#">cookies</a> |

# Roadmap and Integrated Plan for Policy Interoperation across ENVRI



# Roadmap / Integrated Plan

- 🌀 All ENVRI RIs and ENVRI-Hub to have at least the 3 major policies (with consent pop-up) in place
  - 🌀 **To protect RIs and ENVRI-Hub legally**
- 🌀 All ENVRI RIs and ENVRI-Hub to have a licence attached to each digital asset and recorded in the metadata (ingested from RI to ENVRI-Hub)
  - 🌀 **To provide the basis for AAI but also acknowledgement/citation**
- 🌀 All ENVRI RIs and ENVRI-Hub to have in place appropriate AAI (as recommended by WP5 TF2) and a plan to evolve to the recommended blueprint architecture of OIDC and OAuth2
  - 🌀 **To reach a comprehensive federation within ENVRI and outwards to EOSC and others**
- 🌀 All ENVRI RIs and ENVRI-Hub to have in place progressively the 'in scope' policies
  - 🌀 **To provide governance**

# Policy Interoperation / Conformance

- 🌊 We have agreed the target
- 🌊 We have considered the current state
- 🌊 We have identified the gaps
- 🌊 We need a plan to finalise evolutionary convergence of policies of ENVRI RIs, ENVRI-Hub and EOOSC

# General Discussion



ENVRI  
FAIR



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