		ENVRI-FAIR	EOSC-Life	ESCAPE	PaNOSC	SSHOC
Concepts for FAIR implementation (Pillar 1)	Rec. 1: define FAIR for implementation	Photolik Andreaux, Aarti, Arti, Varmaulan, Alain, Pargolandh, Galkannine, Baba, Damake, Schwap, Dock, M. Glawan, Hakim, Bundha, Lidor, Zhao, Zhening, EMIRFARIT – Intergenable animoremital FART data and anarkan far sociadi, moralized and anaraschi, Elizionatidatal 2019, http://doi.org/10.1116/j.com.2019.00208 2019.			Photon and Neutron Data policy update for FAIR D2.1 (Nay 2020) Common API for metadata catalogues D3.1 API definition D3.5 Nexus Metadata mapping schema and proposed new definitions.	The FAR Quiding Physicials for sourcefls data management and visueschipt" by Wohnon et al. is followed in terms of derivations and representation guidance. Seeging the international works (1934), specific (and) communities addressing heartafficient and legation Dutation. For a generative data policy statement, see SMO-C - Nanion page 2020 (1934). Biol. Common Statement (1937), 2718 Aryshiptic Lio.
	Rec. 2: Implement a model for FAIR digital objects				Common catalouge API implimentation report D3.4 Policy implimentation guidlines defiend D2.3 Deliverable 5.1: Prototype simulation data formats as openPMD domain specific extensions including example datasets.	In the context of the SSHOC Open Marketplace, D.1. (System Specification - SSH Open Marketplace) presents an implementation plan for FAR digital objects, Od 2019 https://doi.org/10.5281/zenodo.3547648
	Rec. 3: develop components of a FAIR ecosystem	WP4 Common FAIR Policies, D4.1 Organisation of PVG - Membership, procedures for operation, WP5 common requirements and testable of (msk)data services, community standards and cataloguing, D5.1 analysis of environmental research infrastructures, https://environmental.essarch.infrastructures.essarch.infrastructures.essarc			WP 3 Common API to definer Intercoperable search boltware facility mits data catalogues, WP4 Development of data analysis service Infrastrure, WP8 Training tools for EOSC & FAR data for PBN	D4. 14 Policy API Tool, D4. 14 Policy API Tool https://shopendoud.au/6414-policy-api-tool D4. 16 Specialization of the new features of the AVIA https://shopendoud.au/6410-epocification-rev- features-sht/C2/FAC-policy-patient D7.1 System Specification - SSG Open California Specification - SSG Open Experimental - SSG Open-mathetipulate Ref Enther examples: we took and services presented in the SSA Open anti-antipulate totage.revents of the SSA Open and set places
	Rec. 16: Apply FAIR broadly				All WP aim to develop caspbility that allows phonon and neutron facilities to apply that principles to their domain. Data policy work and update to metabat domain WP24. Way of endoys free that to facilitating the application of PAR principles	b.1.5.900 Community Engineeris Barlegy, https:/doi.org/16.218.emcob.3922.01 https:/doi.org/16.218.emcob.3922.01 https:/doi.org/16.218.emcob.3922.01 https://doi.org/16.218.emcob.3922.01 https://doi.org/16.218.emcob.3922.01 Hauseptional Analysis (Analysis) (Analysis) Faulting Data Management WG Research Data
	Nec. 17. Aligit and	WP3 Strategy for alignment with national and international stakeholders, community development and innovation activities. "ENVRI-FAR EOSC Position Paper"_https://doi.org/10.5281/zenodo.3868805			Data policy update as apart of WP2 D2.1	SSHOC - Position paper 2020
FAIR culture (Pillar 2)	Rec. 4: Develop interoperability frameworks			ESCAPE VP4 is connecting the ESFRI to the EOSC using the Virtual Observatory Interportability formerounds. An Inter distortables, ESCAPE US 2 the Control of the Virtual Control of the Control of INDA STANDARDOS FOR FAIRE ESFRI AND COMMUNITY DATA was produced there A2020. A final regort will be done near the end of the project COMMUNITY DATA was produced there A2020. A final regort will be done near the end of the project on use of IVDA standards for FAIR ESFRI and community data and best devertability practices for value-added data.	Cummon interceantable agt for meta data catalouges. Cummon remote services for data analysis	(HO) Interventially No scoregie: D3.1 (Report on EARLOC (rests.) 3 data interventiality problem time unique (10.24 (January 20.24 (Janu
	Rec. 5: Ensure data management via DMPs			ESFRIs have high level data management plans that are integrated into their operations, and under their responsibility. As different level, projects and research proposality. Erquired to specify a DMP in research proposality. ESCAFE Werk is promoting certification of repositories (Core TrustSeal) to raise awareness.	DMP template for facilities will be developed in WP2 D2.2	Continuous support via trainings: SSHOC D6.9 SSHOC Trainer Toolkit (draft) D6.7 Inventory of existing learning materials
	Rec. 6: recognise & reward FAIR data & stewardship			A report will be done near the end of the project (May 2022) ESCAPE D4.8 the "Final analysis report on use of IVOA standards for FAIR ESPRI and community data and best stewardship practices for value-added data". It should include some consideration of recognition of data stewardship.		WP8 "Fostering Communities, Empowering Users, & Building Expertise" and esp. D6 S SHC train-the- value tookit author Training Tooliti, <u>Hitps://training: positi abnoeancloud aut</u> Contributions to community caration in the SSHCO Doen Marketpiace will be appropriately rewarded. <u>Hitps://trainingom.hytpotheess.org/834</u>
	Rec. 18: Cost data management					Cost estimations could be provided by the SSHOC affiliated repositories.
	Rec. 19: Select and prioritise FAIR digital objects					n/a
	Rec. 20: Deposit in Trusted Digital Repositories				Development of common meta data catalouge API and implimentation report from facilities. (Could include work towards trusetd certification)	Outputs of WPS, innovation in data access
	Rec. 21: Incentivise reuse of FAIR outputs					TBD at a later stage of the project lifecycle.

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FAIR ecosystem (Pillar 3)	Rec. 7: support semantic technologies			ESCAPE is supporting the use and development of IVOA Semantics standards as part of general support of IVOA standards for Astronomy/Astroparticle ESFRIs	Update to metadata mapping schema D3.5 (Tobias Richter Tobias Richter@ess.eu might be the PaNOSC contact for further details of the PaNOSC work in this area)	D9.7 Design of Knowledge Graph (election studies and semantic technologies) D3.7 SSHOCro beta version
	Rec. 8: Facilitate automated processing	Might be in WP7 (to be checked).		5	WP4 developmnet of data analysis services WP5 development of simulation services	T3.6 Making Data Re-usable and Actionable
	Rec. 9: Certify FAIR	WPS Common requirements and testbed for (meta)data services, community standards and cataloguing, WP7 Common implementation and support. Individual RI:s are verking on repository certification (CTS), for example ICOS.		Awareness of CoreTrustSeal certification is being supported by ESCAPE in WPA, and this topic will be included in the diversible LA 36 Final analysis report on use of IVOA standards for FARE ESFRI and community data and best stewardship practices for value-added data" (May 2022)	Self evaluation of data policy implimentation against RDA	18.2 supports SSH repositories in achieving Coar TrustSat certification, D8.2 certification plan for SSHOC repositories, <i>Intervieldo and</i> 10.581 farenoda 3725867. D8.3 Report on TDR status and certification solutions for SSHOC repositories (Feb2022)
	Rec. 22: Use information held in DMPs					
	components to meet	WPS Common requirements and testbed for (meta)data services, community standards and cataloguing			Wp3/4/5 dvelopment of reserach tools	D9.1 Report on challenges user communities face when attempting to contribute to SSHOC
	Rec. 24: Incentivise research infrastructures to support FAIR data					
Skills for FAIR (Pillar 4)	Rec. 10: Professionalise data science & stewardship roles	WPG Training and caeacity building, DS.1 Inventory A. gae analysis of FAR training materials. https://www.isevecontent/usedet/2018/10/EN/RF ARR, D.6.1.gg, EN/RF-R/R is also a patient of the LifeWatch ERIC Summer school, https://www.isevatch.eu/home		ESCAFE WF4 plans to run a community workshop for data providers on use of shandraft for publishing data, and shaning of best practices (Milestone expected May 2021). This will emphasise stewardshop roles, and results will be presented in the ESCAFE Deliverable D4.8 "Imal analysis report on use of IVOs standards for FAIR ESFRI and community data and best stewardship practices for value-added data" May 2022.	Deliverable 8.2 Report on lessons learned and future prospects for adopting the e-learning platform at the PaNOSC facilities	These new professional roles are supported via training, see Rec. 11.
	Rec. 11: Implement curriculum frameworks and training	WP9 Training and appearly bolding, D8.1 Inventory & bits://invn.tai.vice.content/upleads/201910/DNR- Invn.tai.vice.content/upleads/201910/DNR- FAR_D_E_1.pdf_ENVRF-FAR enfering training to dimension training togother the continuously, passed bits://invn.tai.vice.content/upleads/2019/DRR-FAR also and ortologies, for more details, eae: https://invn.tai.vice.envi.far/f_EXRF8-FAR also the continuously and the continuously and resource of open educational resources, https://trainingcataliogue.envn.t.eu/		ESCME has having activities throughout its program in all workpackages, usually organized into specific training events.	Deliverable 8.1 Report on lessons learned and future prospects for adopting best practices on alla the PANOSC solities. Deliverable 4.3 Teaching material for users of PANOSC services. FAR accessible in the e-teaming platform at pan- learning ong	SIGNOC DL 9 SIGNOC Trainer Toolfa Idanti, titte Trainer Toolfa Idanti, Tota Trainer and Toolfa Idanti, Tota Idanti Idanti Idanti Idanti Habit Idanti Idanti Idanti Idanti Idanti Habit Idanti Idanti Idanti Idanti Habit Idanti Idanti Idanti Idanti Habit Idanti Idanti Idanti Idanti Habit Idanti Idanti Habit Idanti Idanti Habit Idanti Idanti Habit Idanti Idanti Habit Idanti Habit Idanti Idanti Habit Idanti Ha
Incertives and metrics for FAIR data and services (Pillar 5)	Rec. 12: Develop metrics for FAIR digital output	ENRI-FAIR has performed a FAIR assesment exercise within WPS with help of methodolgies in GO- FAIR. The result of the assessment is currently being the second second second second second second and gap analysis of environmental research ministructures at <u>Inter function environmental</u> (M-1+4 the link to DS.1 seems to require a togritpasseort)		(added by F. Genova) ESCAPE WP4 participated in the tests of the RDA FAR Data Malarity Model criteria. Advoncemy has been developing well exabilitien FAR particulation and it was a useful test. The main aims for astronomy are interoperability and R. Finding is mostly a dynamic process.		
		WPS "Common requirements and testbed for (meta)data services, community standards and cataloguing" is working on this together with the subdomains in ENVRI-FAIR				D8.3 Report on TDR status and certification solutions for SSHOC repositories (Feb2022), T8.2 work will include feedback to CoreTrustSeal Board on the CTS requirements.
	Rec. 25: Implement and monitor metrics					
	Rec. 26: Support data citation and next generation metrics					D3.2 Inventory of SSH citation practices, and choice for SSHOC citation formats and implementation planning, https://doi.org/10.238/izendo.3389644 D3.5 Report on integration and exploitation of citation and semantic annotation in SSH catalogues (August 2021)
Investment in FAIR (Pillar 6)	Rec. 14: Provide strategic and coordinated funding			ESCAPE has a connection to the disciplinary networks of Astronomy and particle physics via their participation on the external advisory board. (ASTRONET_APPCC_NAPPEC_CEAPCE_CEAPCA_NASTRONET for example is a consortium of the largest funding agencies for astronomy in Europe.		D3.2 Inventory of SSH citation practices, and choice for SSHOC citation formats and implementation planning, https://doi.org/10.5281/cemodo.398964 D3.5 Report on integration and explanation of citation and semantic annotation in SSH catalogues (August 2021)
	Rec. 15: provide sustainable funding					T8.1 Governance & Sustainability (of the SSH part of the EOSC): D81. Governance and Sustainability Roadmap (Dec 2021)
	Rec. 27: Open EOSC to all providers but ensure services are FAIR					WP3 Lifting Technologies and Services into the SSH Cloud