P13 activity SSC IG	Findable	Accessible	Interoperable	Reusable	?	comments
FAIR Software Source Code Answers from group activity	**How to make software findable?**	**How to make Software accessible?**	**How to facilitate interoperability of Software?**	**How to facilitate Reuse?**	**What letter and property would you add?**	
Group 1	identifier- metadata	same as data but the difference is that data is "stable"			T- for Trust	
	software repositories need to think about long-term management	the possibility to access context (libraries, packages, etc)				
	institutional repository as backup					
	software repositoriesy integrator needed					
	need to better understand how sw is applied- what does it do					
	good documentation					
	uses of tags instead of schema					
Group 2	need to define which unit gets an identifier		need to figure out linked data	needs metadata that isn't available (authordhip, dependencies		
Group 3	algorithm	incentives for software publication				
	control vocabulary	reward on making software accessible				
	taxonomy for licenses					
	no new standard for metadata					
	DOIs for software					
	expand metadata on zenodo, specific for software metadata					
Group 4	describe software	license	applies to software metadata	package dependency	S- for Sustainable	
	what metadata is needed to make sw findable: license, language, contributor	be able to download	compatible between different versions			
	what is software for	container for software	need better platform for documentation			
	level of software (package? component? apiece of large library?					
	quatlity citation & identification					
Group 5	source code and metadata are assigned a globaly unique and eternally persistent IDs	make it available as a service	metadata should include precise information on dependencies and other operating requirements	Ideally licenses sould be in rights expression languages		Should there be a seperate or dependent version of this for web services
	metadata must have declared semantics and formal syntax	replace `meta(data)` with source code and metadata	use vocabularies adapted to software and that are FAIR			
	source code and metadata are registered/indexed in a searchable resource	is the metadata still important when there is no access to the software	including			
	the metadata must specify the source code identifier					
Group 6	Unique ID similar to arXiv (ASCL)	active curated entries for software	consistent application of standrads	good descrition of software	S- for Sustainability	
	metadata available for download	link back to software in third party repos	commonly used file formats	detailed methodology needs to be available	P for Preservation	
	PID & Metadata available to aid citation			detailed docummentation		
	online entries- records					
	metadata indexing from source (e.g repositories) to aggregators					
Group 7	as a developer looking for a library (Pypi, Cran)	raise awareness in software development	continue to advocate for open AIJs rather than closed system			
	libraries.io addresses the problem of finding libraries	that persistent identifiers should be applied to software	prefer open source software when doing published research			
	working bacj from research paper may lead to different version	but with version when software is dynamic?	easier to crack for OSS			
	developpers feel that this is a solved problem, even if there may not be a persistent identifier or rich metadata	raise awareness of need to periodically take a snapshot of the code				
		and put it in an archival repository				
		encourage citation of software in research papers to create need for above practice				
Group 8	F1- an identifier for each piece of software	A1 - yes	How important is it that archived code 'work'?			GUIX-> GNU
	F2- data = source code	A2- yes	i.e can be re-run to produce same result			NIX-> 2066
	source code is much more searchable because it's always text	i.E these apply and someone needs to make it happen	If yes, the code must be archived in a 'docker' that contains the original software environment			
	finadability very much depends on how you search		If no, than life is easier			
	will all text of sorce code be indexed?		Yes- allows reproducibility			
	if so, metadata is less important		No- still allows re-use (with modifications)			
	metadata is largely embedded in the code as comments					