

HIFIS Service Selection 1st Iteration																	
Date 22.04.2020																	
Deleted "double" Yes votes																	
Infrastructure Services																	
Community/Science Services																	
Collaboration Services																	
Other Services																	
Service Group																	
Service Type	Service	Detailed description	Potential Provider	Cumulated Yes (values)	Comments	Explicitly supports scientists	Number of interested communities	First evaluation Round/ Iteration									Resulting Points
								Service is provided for free	Service is provided by a Helmholtz center	Services are capable for Helmholtz cloud provisioning	Service explicitly supports scientists/ their processes	Broad range of centers is interested in using the service	Broad range of communities/ user groups is interested in using the service	Service is named in the HIFIS proposal	Service is open source		
								Yes/No	Yes/No	Yes/No		0,56	0,81	0,56	Yes/No	Yes/No	
On demand compute (offering CPU and GPU resources)	Docker	Packaging of software	KIT	13	KIT: interested in a container repository (eventually centralized)	Yes	2+	Yes	No provider	Yes	2,24	2,43	2,24			6,91	NO PROVIDER
Cloud Writing/Citing	ShareLaTeX		HZDR	13		Yes	2+	Yes	No provider	Yes	2,24	2,43	2,24			6,91	NO PROVIDER
Cloud Writing/Citing	ShareLaTeX		FZJ	14		Yes	2+	Yes	No provider	Yes	2,24	2,43	2,24			6,91	NO PROVIDER
Cloud Writing/Citing	ShareLaTeX		KIT	13		Yes	2+	Yes	No provider	Yes	2,24	2,43	2,24			6,91	NO PROVIDER
Event Management	Indico		GEOMAR	12	KIT: (only KIT internal: Overleaf)	Yes	2+	Yes	No provider	Yes	2,24	2,43	2,24			6,91	NO PROVIDER
Event Management	Indico		KIT	12		Yes	2+	Yes	No provider	Yes	2,24	2,43	2,24			6,91	NO PROVIDER
Discussion Channel, Chat	Mattermost		KIT	15		Yes	2+	Yes	No provider	Yes	2,24	2,43	2,24			6,91	NO PROVIDER
On demand compute (offering CPU and GPU resources)	OpenStack	VM provisioning for non-IT users implicated	FZJ	12		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
On demand compute (offering CPU and GPU resources)	Docker		DESY	12		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
On demand compute (offering CPU and GPU resources)	Kubernetes Cluster	Management of many containers	DESY	12	AWI: Around end of 2020, AWI could offer services as well	Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
On demand compute (offering CPU and GPU resources)	GPU compute Service	General computing resources	FZJ	14	specific use cases (HPC, earth system research, HMGU: include hosting for runners, with potential for self-hosting. Needs to be visible to public (not only VPN etc)	Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Software Development Services	GitLab, GitLab-CI	Software-code online, collaborative coding, Versioning, commenting	HZDR	13	DZNE: The DZNE runs a GitLab instance and may offer this service later to other HGF users. HZG: https://docs.gitlab.com/ee/ci/runners/	Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Software Development Services	GitLab, GitLab-CI		KIT	12	KIT: SCC department as service provider	Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Software Development Services	GitLab, GitLab-CI		FZJ	12		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Software Development Services	GitLab, GitLab-CI		GEOMAR	12		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
JupyterHub Service	JupyterHub Service	Frontend interface for	HZDR	12	future (AWI) currently works on network segmentation	Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
JupyterHub Service	JupyterHub Service		DKFZ	12		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
JupyterHub Service	JupyterHub Service		DESY	12		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
JupyterHub Service	JupyterHub Service		HMGU	12		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
JupyterHub Service	JupyterHub Notebooks on HPC		FZJ			Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
				12	FZJ: not only on HPC, but on Cloud resources as well	Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Sync&Share with Cloud Office	Nextcloud (OnlyOffice)		HZB	15		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Sync&Share with Cloud Office	Nextcloud (OnlyOffice)		HZDR	15		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Sync&Share with Cloud Office	Nextcloud (OnlyOffice)		DESY	15		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Event Management	Indico	Event & conference Management	DESY			Yes	2+				2,24	2,43	2,24			6,91	-
Discussion Channel, Chat	Mattermost		HZDR	14		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Discussion Channel, Chat	Rocket.Chat		FZJ	12		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Online Survey Service	LimeSurvey		HMGU	13		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Online Survey Service	LimeSurvey		DKFZ	13		Yes	2+	Yes	Yes	Yes	2,24	2,43	2,24			6,91	-
Helmholtz hosted Webservice		Webservice hosting; off-premise, with trusted hosting		8		Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
Software Catalog System			DLR	9	DLR: work out in HIFIS Software services, then operate via HIFIS Cloud UFZ as USER. Yes	Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
JupyterHub Service	JupyterLab	Devel. Envir. for Jupyter NB		11		Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
Data Management Plan	RDMO	Web based RD organizer		9	UFZ as USER. Yes, is RDMO the right tool?	Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
Sync&Share with Cloud Office	Nextcloud with Collabora			11		Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
Discussion Channel, Chat	Matrix (protocol)	Bridges to IRC, Slack, Jabber...		9		Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
Online Survey Service	Polis (NextCloud)		KIT	8		Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
Project Management with Wiki	Redmine		KIT	11		Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
Ticketing Tool, Issue tracker	Redmine		FZJ	8		Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
Mailing list tool	Sympa		KIT	9		Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
On demand storage	Storage (HDF)	Storage for HPC, Collaboration and Biology	FZJ	11	KIT: only KIT internal mailing list server (s. next line) FZJ: Storage tandem through HGF, mainly for specific use cases (HPC, earth system research, neuroscience and biology) but partly available for collaborations as well HZB: what's about additional „HPC, collaboration and Matter“?	Yes	2+	Yes	No provider	Yes	2,24	1,62	2,24			6,1	NO PROVIDER
On demand storage	Storage (HDF)	Storage for HPC, general Collaboration and Energy	DESY	10		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24			6,1	-
On demand storage	Storage (HDF)		KIT	9	physics, Energy and environmental science (therefore realized)	Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24			6,1	-
On demand compute (offering CPU and GPU resources)	OpenStack		KIT	11		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24			6,1	-

On demand compute (offering CPU and GPU resources)	OpenStack		DESY	11		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
On demand compute (offering CPU and GPU resources)	OpenStack		DKFZ	11	DKFZ: HDF-AAI	Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
On demand compute (offering CPU and GPU resources)	Singularity		FZJ	10		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
On demand compute (offering CPU and GPU resources)	Singularity		KIT	9	KIT: bwUniCluster (UC2): Singularity (among others) is installed here => for UseCases, e.g. HAICU => Provision via usage procedure (decision: local PI	Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
On demand compute (offering CPU and GPU resources)	GPU compute Service		HZDR	11		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
On demand compute (offering CPU and GPU resources)	GPU compute Service		DESY	11		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
On demand compute (offering CPU and GPU resources)	HICORE (HAICU, HIP)		KIT, FZJ	9	FZJ: Resource allocation will be done by HAICU KIT: Hardware resources for KI community e.g. HAICU	Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
On demand compute (offering CPU and GPU resources)	JupyterHub Service		FZJ	11	FZJ: offers JupyterHub on non-HPC (Cloud) resources	Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
JupyterHub Service	JupyterHub Notebooks on HPC		KIT	9	KIT: works with bwUniCluster (UC2), linkage will be in operation by the end of march (see above -> "Singularity", HAICU	Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Data Repository with DOI Service	Rodare	Based on Invenio	HZDR	9		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Data Repository with DOI Service	BZSHARE (Invenio)		FZJ	9	AWI: could be interesting in the context of EU projects FZJ: BZSHARE is based on Invenio as well	Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Sync&Share with Cloud Office	bwSync&share (NextCloud)		KIT	11	and DESY ...	Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Project Management with Wiki	Redmine		HZDR	10		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Project Management with Wiki	Redmine		FZJ	11		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Project Management with Wiki	Redmine		HMGU	10		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Project Management with Wiki	OpenProject		HZB	10		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Ticketing Tool, Issue tracker	Zammad		HZDR	9		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Mailing list tool	MailMan		FZJ	9		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Mailing list tool	Sympa		DESY	10		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Mailing list tool	Sympa		BFW KIT	8	KIT: DFN-List server is operated at KIT since 2004	Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Literature Management	Endnote (Cloud)		HMGU	10		Yes	2+	Yes	Yes	Yes	2,24	1,62	2,24		6,1	-
Analytic machines	Binder Repositories	Collections of Jupyter NBs		4		Yes	2+	Yes	No provider	Yes	2,24	0,81	2,24		5,29	NO PROVIDER
Database as a Service	MySQL and Postgres			4		Yes	2+	Yes	No provider	Yes	2,24	0,81	2,24		5,29	NO PROVIDER
Application specific contact repository (incl. Wiki/Chat)	Helmholtz Contact Exchange	Who for what knowledgebase		4	AWI: may be?	Yes	2+	Yes	No provider	Yes	2,24	0,81	2,24		5,29	NO PROVIDER
R-Studio, R-Shiny, R-Project	R-Studio, R-Shiny, R-Project		(HZG)	7		Yes	2+	Yes	No provider	Yes	2,24	0,81	2,24		5,29	NO PROVIDER
Ticketing Tool, Issue tracker	Redmine		HZDR	7		Yes	2+	Yes	No provider	Yes	2,24	0,81	2,24		5,29	NO PROVIDER
Project Websites	Confluence			6		Yes	2+	Yes	No provider	Yes	2,24	0,81	2,24		5,29	NO PROVIDER
Project Websites	Wordpress		HZDR	6		Yes	2+	Yes	No provider	Yes	2,24	0,81	2,24		5,29	NO PROVIDER
Literature Management	Zotero			6		Yes	2+	Yes	No provider	Yes	2,24	0,81	2,24		5,29	NO PROVIDER
Large Data Transfer Service	Globus Toolkit	Discontinued, consider licensing issues	HMGU	6		Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
Large Data Transfer Service	UFTP (UNICORE FTP)	Moving lots of data	FZJ	7		Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
Analytic machines	HeAT Library Server	OpenStack/Storage/HAF	FZJ	6		Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
Analytic machines	HeAT Library Server	Helmholtz Analytics Framework, Helmholtz Analytics Toolkit	DESY	6	FZJ: Library available on HPC, GPU and OpenStack clusters: an analytics service needs to be developed.	Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
Application specific contact	Stack Overflow Team (local)		HZDR	6	KIT: this is probably about the OpenStack component HeAT? (see: https://wiki.openstack.org/wiki/heat)	Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
R-Studio, R-Shiny, R-Project	R-Studio, R-Shiny, R-Project	Math software	HMGU	4	AWI: may be?	Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
R-Studio, R-Shiny, R-Project	R-Studio, R-Shiny, R-Project			7	HZB: really no interest group @ hzb? -> Photovoltaic?	Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
R-Studio, R-Shiny, R-Project	R-Studio, R-Shiny, R-Project		DKFZ	7	UFZ as USER: Yes	Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
R-Studio, R-Shiny, R-Project	R-Studio, R-Shiny, R-Project		AWI	7		Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
Sync&Share	BZDRDP	Currently without Office	FZJ	7	AWI: through AWI Marketplace	Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
Discussion Channel, Chat	Jabber XMPP		KIT	7	AWI: could be interesting in the context of EU projects	Yes	2+	Yes	Yes	Yes	2,24	0,81	2,24		5,29	-
On demand compute (offering CPU and GPU resources)	GPU compute Community Service (Energy & Information)		KIT	10		Yes	2	Yes	No provider	Yes	2,24	1,62	1,12		4,98	NO PROVIDER
Discussion Channel, Chat	Jabber XMPP		HZDR	8	"bwCloud", also in UC2 (see above)	Yes	2	Yes	Yes	Yes	2,24	1,62	1,12		4,98	-
Discussion Channel, Chat	Jabber XMPP		FZJ	9	UFZ as USER: Yes, UFZ has Jabber installation	Yes	2	Yes	Yes	Yes	2,24	1,62	1,12		4,98	-
Build service & package repository	Docker hub etc.			9		Yes	2	Yes	Yes	Yes	2,24	1,62	1,12		4,98	-
DOI Minting Service	service to acquire DOI	DOI Website	GFZ	1	HZB: discussed within survey! GFZ: cannot offer services in the same way as cloud providers can do on the free market - but only where it makes sense - primarily for the research field Earth & environment UFZ as USER: Yes AWI: (publication of SW) HZB: incl. Handle minting?, what is the central approach?	Yes	2+	Yes	No provider	Yes	2,24	0	2,24		4,48	NO PROVIDER
Electronic Laboratory Journal (ELIMS)	LabFolder			7		Yes	2	Yes	Yes	Yes	2,24	0,81	1,12		4,17	-
Electronic Laboratory Journal (ELIMS)	Confluence		DESY	10	DZNE: DZNE is running a LabFolder instance	Yes	1	Yes	No provider	Yes	2,24	1,62	0		3,86	NO PROVIDER
Electronic Laboratory Journal (ELIMS)	Confluence		DESY	8		Yes	1	Yes	No provider	Yes	2,24	1,62	0		3,86	NO PROVIDER
On demand storage	Communitystorage (Earth & Environment)		AWI	9		Yes	1	Yes	Yes	Yes	2,24	1,62	0		3,86	-

On demand compute (offering CPU and GPU resources)	GPU compute Community Service (Health)		DKFZ	8			Yes	1	Yes	Yes	Yes	2,24	1,62	0		3,86	-
Data Management Plan	HGF EAE Specific DMP Tool		GFZ	8	8	8	Yes	1	Yes	Yes	Yes	2,24	1,62	0		3,86	-
e-Learning / Instruction	Moodle		DKFZ	9	9	9	No	2+	Yes	Yes	Yes	0	1,62	2,24		3,86	-
Voting	Electronic Voting			3	3	3	Yes	2	Yes	No provider	Yes	2,24	0	1,12		3,36	NO PROVIDER
Publishing Repository	Invenio			3	3	3	Yes	2	Yes	No provider	Yes	2,24	0	1,12		3,36	NO PROVIDER
Workflow Platform	Galaxy Web Server	Inensitive biometric data platform (bioinformatics)	MDC	3	3	3	Yes	2	Yes	Yes	Yes	2,24	0	1,12		3,36	-
Large Data Transfer Service	Aspera (Genomic)	Moving lots of (genomic) data		7	7	7	Yes	1	Yes	No provider	Yes	2,24	0,81	0		3,05	NO PROVIDER
Electronic Laboratory Journal (LIMS)	mediasWiki		HZDR	7	7	7	Yes	1	Yes	No provider	Yes	2,24	0,81	0		3,05	NO PROVIDER
Electronic Laboratory Journal (LIMS)	elabFW		FZJ														
				6	HZB: 7		Yes	1	Yes	No provider	Yes	2,24	0,81	0		3,05	NO PROVIDER
Online Survey Service	RedCap			6			Yes	0	Yes	No provider	Yes	2,24	0,81	0		3,05	NO PROVIDER
Project Management with Wiki	Sheila			7			Yes	0	Yes	No provider	Yes	2,24	0,81	0		3,05	NO PROVIDER
Project Management with Wiki	OnlyOffice Project			7			Yes	0	Yes	No provider	Yes	2,24	0,81	0		3,05	NO PROVIDER
Project Management with Wiki	DECK (Nextcloud)			7			Yes	0	Yes	No provider	Yes	2,24	0,81	0		3,05	NO PROVIDER
Process Management / Workflow Engine / Web-Templates	Lucom Interaction Platform		HZDR	7			Yes	0	Yes	No provider	Yes	2,24	0,81	0		3,05	NO PROVIDER
On demand storage	Communitystorage (Matter)		DESY	6	DESY: difference to "Storage HDP" is unclear		No	2+	Yes	No provider	Yes	0	0,81	2,24		3,05	NO PROVIDER
On demand storage	Communitystorage (Matter)		OSI	6			Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
On demand storage	Communitystorage (Health)		DKFZ	7			Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
On demand storage	Distributed Object Storage	E.g. for Radiology Services	DKFZ + HZDR	5			Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
On demand compute (offering CPU compute Community Service)	AWI Marketplace		AWI	7			Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
Analytic machines	AWI Marketplace		AWI	4			Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
Sample Management	IGSN Service (Geo Science)	International GeoSample No.	GFZ	4	providers can do on the free market - but only where		Yes	2	Yes	Yes	Yes	2,24	0,81	0		3,05	-
Electronic Laboratory Journal (LIMS)	OpenBIS		HZDR	7	UFZ as USER: Yes		Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
Electronic Laboratory Journal (LIMS)	Medusa		GFZ	7	GFZ: cannot offer services in the same way as cloud providers can do on the free market - but only where it makes sense - primarily for the research field Earth & environment		Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
Electronic Laboratory Journal (LIMS)	New HMGU System	Invitation of tenders	HMGU	6			Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
Data Repository with DOI Service	GFZ Data Services		GFZ	7	providers can do on the free market - but only where		Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
Data Repository with DOI Service	PANGAEA		AWI + MARUM	6			Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
Data Repository with DOI Service	ICAT		HZB	6	HZB: 7		Yes	1	Yes	Yes	Yes	2,24	0,81	0		3,05	-
e-Learning / Instruction	ILIAS		HMGU	7			No	2+	Yes	Yes	Yes	0	0,81	2,24		3,05	-
Sample Management	Cell samples (Biology)			2			Yes	1	Yes	No provider	Yes	2,24	0	0		2,24	NO PROVIDER
Apache Spark Cluster	Data Analytics Services			1			Yes	1	Yes	No provider	Yes	2,24	0	0		2,24	NO PROVIDER
Study Conduction Service (observational studies)				0	GFZ: Explanation needed		Yes	1	Yes	No provider	Yes	2,24	0	0		2,24	NO PROVIDER
Workflow Platform	Eugene	Genome finder pipeline		2			Yes	0	Yes	No provider	Yes	2,24	0	0		2,24	NO PROVIDER
Workflow Platform	Genetious	Bioinformatic workflows		2			Yes	0	Yes	No provider	Yes	2,24	0	0		2,24	NO PROVIDER
Sensor Management Service	Ocean and climate Sensor Management	Management of Sensors,	AWI	3			Yes	1	Yes	Yes	Yes	2,24	0	0		2,24	NO PROVIDER
Sensor Management Service	Geo Sensor Management		GFZ	2	GFZ: cannot offer services in the same way as cloud providers can do on the free market - but only where it makes sense - primarily for the research field Earth & environment		Yes	1	Yes	Yes	Yes	2,24	0	0		2,24	-
Central Geodata platform			GFZ		GFZ: GFZ could serve specific map and geo data services (to be clarified) -> this service is about to be set up. It is set up primarily for GFZ users but will probably become an application for centers working in the research field Earth & Environment. The intensity of use cannot yet be estimated. As the GFZ has not received any resources for the setup of HIFIS Cloud services they are not able to make any firm commitment, especially with regards to the uncertainty of usage in a medium to longterm timeframe.		Yes	1	Yes	Yes	Yes	2,24	0	0		2,24	-
Ocean Data View Software	OOD		AWI	2			Yes	1	Yes	Yes	Yes	2,24	0	0		2,24	-
OpenStreetMap Services	OSM Nominatim (Geocoder/Reverse Geocoder)		FZJ	0	FZJ: the general OSM services have limitation in e.g. ...		Yes	1	Yes	Yes	Yes	2,24	0	0		2,24	-
OpenStreetMap Services	OSM Overpass (OSM msp data API)		FZJ	0			Yes	1	Yes	Yes	Yes	2,24	0	0		2,24	-
OpenStreetMap Services	OSM Tileserver (Webserver for map tiles)		FZJ	0			Yes	1	Yes	Yes	Yes	2,24	0	0		2,24	-
Proposal System	Gate		HZB	2			Yes	1	Yes	Yes	Yes	2,24	0	0		2,24	-
Proposal System	Door		DESY	2			Yes	1	Yes	Yes	Yes	2,24	0	0		2,24	-
Voice Chat	Jabber elabberDaemon		KIT	4	KIT: ?		No	2	Yes	No provider	Yes	0	0,81	1,12		1,93	NO PROVIDER
Ticketing Tool, Issue tracker	OTRS		KIT	8	OTRS: The DZNE uses an instance hosted by OTRS		Yes	1	Yes	No provider	Yes	0	1,62	0		1,62	NO PROVIDER
On demand compute (offering CPU and GPU resources)	Rancher	infrastructures, meta	FZJ	10	well		Yes	1	Yes	Yes	Yes	1,62	0	0		1,62	-
Ticketing Tool, Issue tracker	OTRS		FZJ (KIT)	9			No	1	Yes	Yes	Yes	0	1,62	0		1,62	-
Norm Database	Usually solved via Library licenses		Beuth Verlag	3			No	2	Yes	No provider	Yes	0	0	1,12		1,12	NO PROVIDER
Virtual Desktop Infrastructure	Virtual Desktop Service	Basis Apache guacamole	FZJ	2			No	2	Yes	Yes	Yes	0	0	1,12		1,12	-
On demand storage	SpectrumProtect HSM	Hierarchical Storage		4			No	0	Yes	No provider	Yes	0	0,81	0		0,81	NO PROVIDER
Voice Chat	Lync Federation	Microsoft Lync Communities		4			No	1	Yes	No provider	Yes	0	0,81	0		0,81	NO PROVIDER
e-Learning / Instruction	OpenOLAT			7			No	0	Yes	No provider	Yes	0	0,81	0		0,81	NO PROVIDER
e-Learning / Instruction	Eplax			7			No	0	Yes	No provider	Yes	0	0,81	0		0,81	NO PROVIDER
Chemicals Administration	GESKAT		HZDR	5			No	1	Yes	No provider	Yes	0	0,81	0		0,81	NO PROVIDER
Cloud CAD System	onshape		PTC	4			No	0	Yes	No provider	Yes	0	0,81	0		0,81	NO PROVIDER
Cloud CAD System	simscale		simscale	4			No	0	Yes	No provider	Yes	0	0,81	0		0,81	NO PROVIDER
Continuous Improvement Proposal				4			No	1	Yes	No provider	Yes	0	0,81	0		0,81	NO PROVIDER
Document Management System				4			No	1	Yes	No provider	Yes	0	0,81	0		0,81	NO PROVIDER
On demand compute (offering CPU and GPU resources)	ESX/ESXI	Mostly for provisioning IT-VMs	AWI	6			No	1	Yes	Yes	Yes	0	0,81	0		0,81	-
Ticketing Tool, Issue tracker	Request Tracker		DESY	7			No	1	Yes	Yes	Yes	0	0,81	0		0,81	-
Ticketing Tool, Issue tracker	Efecte (commercial, ITSM)		HMGU	6			No	1	Yes	Yes	Yes	0	0,81	0		0,81	-
Chemicals Administration	BIDS (external development)		HMGU	4			No	1	Yes	Yes	Yes	0	0,81	0		0,81	-

Email/Calendar/Contacts	Entire hosting of mail server		DESY	4		No	1	Yes	Yes	Yes	0	0,81	0			0,81
Analytic machines	Communityservice	HEAT Github	CSI	1	> Comment LS: No. CSI was named here in the first			Yes	No provider	Yes	0	0	0			0
Voice Chat	Chat over IMAP			3		No	0	Yes	No provider	Yes	0	0	0			0 NO PROVIDER
Process Management/ Workflow Engine / Web-Templates	Process Management/ Workflow Engine / Web-Templates			3		No	0	Yes	No provider	Yes	0	0	0			0 NO PROVIDER
Process Management/ Workflow Engine / Web-Templates	FMS		DESY	3		No	1	Yes	No provider	Yes	0	0	0			0 NO PROVIDER
SW-Package - Catalog?	Virtual Desktop Service	RDP etc. over Webrowsers	UFZ	1		No	1	Yes	No provider	Yes	0	0	0			0 NO PROVIDER
Virtual Desktop Infrastructure	Virtual Desktop Service	RDP etc. over Webrowsers	UFZ	1	provider with reservation	No	1	Yes	Yes	Yes	0	0	0			0 NO PROVIDER
Software Development Services	GitHub		Microsoft	6		Yes	2+	Yes	No		2,24	0,81	2,24			0 EXCLUDE
Software Development Services	Jira + Confluence	Commercial product, widely	Atlassian	7	by default	Yes	2+		No		2,24	0,81	2,24			0 EXCLUDE
Sample Management	ISPYB (Photon Science)		ESRF	3		Yes	1		No		2,24	0	0			0 EXCLUDE
Data Repository with DOI Service	Zenodo	Based on Invenio	CERN	10	UFZ as USER: Yes	Yes	2+		No		2,24	1,62	2,24			0 EXCLUDE
Sync&Share with Cloud Office	Schiebo (sync&share NRW)		NRW	12					No		0	2,43	0			0 EXCLUDE
Cloud Writing/Citing	ShareLaTeX	LaTeX Community platform	Overleaf	12		Yes	2+		No		2,24	2,43	2,24			0 EXCLUDE
Cloud Writing/Citing	Authorea	On-click DOI publishing	Authorea	5		Yes	1		No		2,24	0,81	0			0 EXCLUDE
Event Management	EasyChair	Conference Management	ESA	6		Yes	1		No		2,24	0,81	0			0 EXCLUDE
Sandstorm Microcontainer	Sandstorm	Web based Microservices	HMGU	1		No	1	Yes	Yes	Yes	0	0	0			0 -
Discussion Channel, Chat	Slack		Slack	10		Yes	2+		No		2,24	1,62	2,24			0 EXCLUDE
Discussion Channel, Chat	Rocket.Chat		GWG	8	DKFZ: dedicated user registration required!	Yes	2+		No		2,24	1,62	2,24			0 EXCLUDE
Project Management with Wiki	JIRA/Trello/Confluence		Atlassian	13	UFZ as USER: Yes	Yes	2+		No		2,24	2,43	2,24			0 EXCLUDE
Ticketing Tool, Issue tracker	JIRA		Atlassian	10		Yes	2+		No		2,24	1,62	2,24			0 EXCLUDE
Recruitment Management	Candibase		Contebis	4		No	1		No		0	0,81	0			0 EXCLUDE
Tele-Webconferencing worldwide	Zoom		Zoom	9	CISPA: No	Yes	2+		No		2,24	1,62	2,24			0 EXCLUDE
Tele-Webconferencing worldwide	DFNconf		DFN	13	UFZ as USER: Yes	Yes	2+		No		2,24	2,43	2,24			0 EXCLUDE
Tele-Webconferencing worldwide	jitsi meet		rendez-	7		Yes	2+		No		2,24	0,81	2,24			0 EXCLUDE
Literature Management	Endnote online		web of science	10		Yes	0		No		2,24	1,62	0			0 EXCLUDE
Room reservation system (incl. Resource management)	OpenIRIS		FMI (Basel)	4		No	1		No		0	0,81	0			0 EXCLUDE
Email/Calendar/Contacts	Entire hosting of mail server		FZJ	3		No	1	Yes	Yes	Yes	0	0	0			0 -
Email/Calendar/Contacts	Exchange		DWGD	5		No	1		No		0	0,81	0			0 EXCLUDE