No.	Category	Criteria	How to measure		Description	Exclusion criteria (A) Weighting criteria (B) Informative criteria (I) Criteria type	Weighting > multiplied with earned points (see column E) = weighted points
			Description	Point distribution (Range 0-4 points)			
1	Overhead Criteria	Service is provided for free	Basic service (frame conditions are to be defined for each service when describing the service in detail, cannot be defined for all) can be provided for free	Yes/No	Within Helmholtz cloud, services shall be provided to interested centers for free while offering the initial service portfolio (3-5 years)	A	
2	Overhead Criteria	Service is provided by a Helmholtz center	Service provider is a Helmholtz center /no external service provider	Yes/No	Exclude services if only provided by external service providers (DFN is also an external service provider)	A	
3	Overhead Criteria	Service explicitly supports scientists/ their processes	Services explicitly supporting scientists earn points	Explicitly supports scientists: 4 Does not explicitly support scientists: 0	Services that support both scientists and administration will earn points here too; only purely administrative services do not earn points	B	0,56
4	Overhead Criteria	Broad range of centers is interested in using the service	Percentage of centers interested in using the service, according to „Yes" votes in service survey	81-100% of centers are interested in using the service: 4 61-80% of centers are interested in the service: 3 41-60% of centers are interested in the service: 2 21-40% of centers are interested in the service: 1 less than 20% : 0	As an indicator of how many centers are interested in using the service	B	0,81
5	Overhead Criteria	Broad range of communities/ user groups is interested in using the service	Number of interested communities/ user groups > service might not be offered to all communities/ user groups (but only to specified ones) > also service's future potential for further communities/ user groups	More than two communities are interested in using the service: 4 Two communities are interested in using the service: 2 Only one community is interested in using the service: 0	Service supports customers business processes (=benefit) Communities/user groups = scientific communities and non-scientific one (administration, IT etc., counted as one community)	B	0,56
6	Overhead Criteria	Service is ready get integrated into Helmholtz cloud	Services' Helmholtz cloud readiness can be set up within X days (time span)	Up to 4 weeks: 4 2 month: 3 6 months: 2 1 year: 1 longer: 0	E.g. Hardware upgrading, service extension, service restructuring might be required Cannot be influenced by HIFIS since the providing center has to set up the cloud readiness! This is why this criteria is highly weighted	B	0,81
7	Overhead Criteria	Service supports incubator interconnection (all platforms)	Interconnection with other platforms/ pilot projects (e.g. HAF > Heat, HAICU, HIDA, HIFIS internally etc.)	Multiple platforms supported: 4 One platform supported: 2 No platform supported: 0	Services that support the interconnection within the incubator shall earn points > also services that support HIFIS internally e.g. HIFIS Cloud supports HIFIS Software cluster	B	0,38
8	Overhead Criteria	Service is named in the HIFIS proposal	Check with list of services mentioned in proposal	Yes/No		I	
9	Technical Criteria	Services are capable for Helmholtz cloud provisioning		Yes/No	Some services such as SAP are not capable for Helmholtz cloud provisioning Characteristics of a HIFIS cloud service > on-demand self-service > broad network access > resource pooling > rapid elasticity > measured service	A	
10	Technical Criteria	Service meets data protection and IT security requirements		Yes/No	Individual per service	A	
11	Technical Criteria	Service uses no proprietary data formats/ interfaces (no vendor lock)		Yes/No	Provider-specific data formats/ interfaces lead to forced bonds which cause e.g. high migration costs when the service is replaced by another one > not only data, but also metadata should be exportable	A	
12	Technical Criteria	Service is capable to use Helmholtz AAI		Yes/No		A	
13	Technical Criteria	Service supports user deprovisioning		Yes/No		A	

#	Category	Criteria	Description	Scoring	Comment	Type	Weight
14	Overhead Criteria/ technical criteria	Service may be made available for external users	Services that can be made available to external users earn points	Yes (full service is available for external users): 4 / Yes (only limited version of service is available for external users): 2 / No: 0	Organizational topic: service provider allows external users to use services on their own systems > also in terms of access rights; Might be required as an overhead criteria and as a technical criteria!	B	0,67
15	Technical Criteria	Service integration is easy to perform	Service integration takes X days (man days required within HIFIS)	0-3 weeks: 4 / 4-6 weeks: 3 / 7-9 weeks: 2 / 10-12 weeks: 1 / more: 0	In order to grab some "low hanging fruit" services first; This can be influenced in HIFIS since we have our own employees for service integration! This is why this criteria is not highly weighed	B	0,13
16	Technical Criteria	User effort to enable the service is as low as possible	Services that are easily enabled without/ with low user effort earn points	No enabling needed: 4 / User can enable service: 2 / Admin can enable service: 0		B	0,25
17	Service Provider Criteria	Service has a promising long-term perspective	Services sustainability earns points using the long term perspective of a service	Promising: 4 (service is continuously refined) / Unknown: 2 (no information on how service will be further developed) / Terrible: 0 (e.g. service will not be further developed)	Long-term perspective = three years	B	0,50
18	Technical Criteria	Service supports open access APIs etc.		Yes/No		I	
19	Technical Criteria	Service is open source		Yes/No		I	
20	Service Provider Criteria	Service provider must be able to provide the service under increased load of Helmholtz users (scalability)		Yes/No	Infrastructures of center should allow a stable provision (IT security, enough staff to provide service, Help Desk etc.)	A	
21	Service Provider Criteria	Service provider has policies regarding the access to offered Helmholtz cloud services		Yes/No	Therefore illegitimate access is identifiable	A	
22	Service Provider Criteria	Service provider established backup for service data (only applicable for services that store data)		Yes/No		A	
23	Service Provider Criteria	Service providers are equally distributed among the Helmholtz centers	Check distribution among service providers after having chosen services	Yes/No	Use distribution key from head office to determine how many services which center should provide	I	
24	Service Provider Criteria	Service provider is certified		Yes/No	e.g. ISO 9000, 27001/ BS7799, BSI C5	I	
25	Service Provider Criteria	Service provider established processes to meet (legal) requirements concerning the deletion of data (data protection relevant)/ storage of data		Yes/No		I	