

Status University of Bonn: Compute Site in a Box

FIDIUM Kickoff, Themenbereich I: Entwicklung von Werkzeugen zur Einbindung heterogener Ressourcen

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Compute Site in a Box

- Requested funding: 1 FTE for three years, equal own contribution
⇒ Fully funded ✓
- Position filled starting 1st January, 2022 ✓
- Plans for 'Compute Site in a Box':
 - Optimization studies COBaID/TARDIS configuration
 - Opening and extending existing Puppet configuration, test deployment with partners
 - Move to publicly accessible container infrastructure
 - Generalize unprivileged container workflows for COBaID/TARDIS resources
 - Documentation and workshops for inside and outside KET community
- Partners Mainz and GSI as 'testbeds'
- Close integration with developments in other topic areas (Accounting, Caching, Monitoring)
- Close collaboration with COBaID/TARDIS developers @ KIT

⇒ Detailed work programme on next slide, time planning to be adapted.

Work Items	2021		2022				2023				2024	
	III	IV	I	II	III	IV	I	II	III	IV	I	II
Optimization studies: COBaID/TARDIS Bonn	X	X	X	O								
Optimization studies: local batch systems for opportunistic use	X	X	X	O								
Making Puppet configuration of CoSiaB services public	X	X	X	X	O							
Cooperation Mainz, GSI for deployment of CoSiAB		X	X	X	X	X	O					
Optimization of deployment strategies				X	X	X	X	X	X	O		
CoSiaB for other partners, site specifics					X	X	X	X	X	X	X	O
CoSiaB: Add partner services (caching, accounting, monitoring...)					X	X	X	O				
Set up of Container infrastructure useable within FIDIUM	X	X	X	O								
Generalization of unprivileged container workflow		X	X	X	X	O						
Extend automated COBaID/TARDIS deployment					X	X	X	O				
COBaID/TARDIS & container deployment @ Mainz, GSI					X	X	X	X	O			
Optimization studies: COBaID/TARDIS at other facilities									X	X	X	O
Creation of documentation and workshop material		X	X	X	X	X	X	X	X	X	O	
Exchange with non-KET communities (KAT, KHuK, RDS)					X	X	X	X	X	X	X	O

Thank you
for your attention!

