Föderierte Digitale Infrastrukturen für die Erforschung von Universum und Materie (FIDIUM)

(Federated digital infrastructures for research of universe and matter)

Kick-off meeting, 16.12.2021

Spokesperson: Alexander Schmidt, RWTH Aachen
Co-spokesperson: Kilian Schwarz, GSI Darmstadt

Proposal from 14 months ago

in case you don't have it,
it is uploaded to the indico page

Föderierte Digitale Infrastrukturen für die Erforschung von Universum und Materie (FIDIUM)

Gemeinsamer Antrag von Gruppen aus den Bereichen Elementarteilchenphysik, Hadronen- und Kernphysik und Astroteilchenphysik

- Rheinisch-Westfälische Technische Hochschule Aachen, Prof. Dr. Alexander Schmidt[1]

- Rheinische Friedrich-Wilhelms-Universität Bonn, PD Dr. Philip Bechtle

- Goethe Universität Frankfurt am Main, Prof. Dr. Volker Lindenstruth

- Albert-Ludwigs-Universität Freiburg, Prof. Dr. Markus Schumacher

- Georg-August-Universität Göttingen, Prof. Dr. Arnulf Quadt

- Universität Hamburg, Prof. Dr. Johannes Haller

- Karlsruher Institut für Technologie, Prof. Dr. Günter Quast

- Johannes Gutenberg-Universität Mainz, Prof. Dr. Frank Maas

- Ludwig-Maximilians-Universität München, Prof. Dr. Thomas Kuhr

- Bergische Universität Wuppertal, Prof. Dr. Christian Zeitnitz

Assoziierte Partner sind

- CERN, Dr. Markus Elsing

- DESY, Prof. Dr. Volker Gülzow

- GridKa, Dr. Andreas Petzold

- GSI Helmholtzzentrum für Schwerionenforschung, Dr. Kilian Schwarz[2]

---

[1]Sprecher des Verbundes
[2]Stellvertretender Sprecher des Verbundes

Goal of the kick-off meeting

- you all submitted your individual applications a long time ago, and you explained your plans. Only you have seen these applications (hopefully they match the plans we wrote down in the common part 😀)

- we should get an overview of **who** plans to do **what** during this meeting

- this should confirm our plans for **cooperation**, and should make more opportunities for collaboration visible

- get in touch with your collaborators and get started efficiently

- note that many (but not all) plans and projects are practically a continuation of the predecessor IDT-UM, which was (stills is) a successful project. We don't need to reinvent the wheel.

organisation

- mailing lists (SPAM filters made problems already, check your SPAM),
  self subscribe at:

  all: https://lists.rwth-aachen.de/postorius/lists/fidium-all.lists.rwth-aachen.de/
  topic1: https://lists.rwth-aachen.de/postorius/lists/fidium-topic1.lists.rwth-aachen.de/
  topic2: https://lists.rwth-aachen.de/postorius/lists/fidium-topic2.lists.rwth-aachen.de/
  topic3: https://lists.rwth-aachen.de/postorius/lists/fidium-topic3.lists.rwth-aachen.de/

- we will have a collaboration website
- git repository
- mattermost channel

- planning to use the ErUM Data infrastructures for webserver etc… already now
  (Federated Infrastructures will become integrated part into the ErUM Data
  funding lines from 2024)
- DIG-UM topical group "Federated Infrastructures" started working recently

meetings

- suggestion: **two** collaboration meetings per year

  - one virtual through zoom in winter

  - one "in person" in summer

  - the topic areas can and should have their own small working meetings as needed

Kooperationsvertrag

- the usual procedure
- the RWTH legal department will create a draft
- your legal departments may comment on it
- we need to get it signed by all of you, and submitted to PT DESY within
  the deadline **31.03.2022**

topic areas

Themenbereich I: Entwicklung von Werkzeugen zur Einbindung heterogener Ressourcen (coordinators: Manuel Giffels (KIT), Oliver Freyermuth (U Bonn))

Themenbereich II: Data-Lakes, Distributed Data, Caching (coordinators: Kilian Schwarz (GSI), Andre Brinkmann (U Mainz))

Themenbereich III: Anpassung, Test und Optimierung auf Produktions und Analyse-Umgebungen (coordinators: Christian Zeitnitz (U Wuppertal), Günter Duckeck (U München))

the table

Themenbereich	Standort	beantragt	bewilligt
Themenbereich I	Uni Bonn	1.00	1.00
Themenbereich I	GU Frankfurt	0.50	0.40
Themenbereich I	Uni Freiburg	1.20	1.20
Themenbereich I	Uni Göttingen	0.50	0.50
Themenbereich I	KIT	0.67	0.67
Themenbereich I	Uni Wuppertal	0.50	0.50

Themenbereich	Standort	beantragt	bewilligt
Themenbereich II	KIT (Quast / Streit)	0.67	0.67
Themenbereich II	KIT (Engel)	0.50	0.00
Themenbereich II	GU Frankfurt	1.00	0.80
Themenbereich II	JGU Mainz	1.00	1.00
Themenbereich II	LMU München	1.00	0.00
Themenbereich II	U Hamburg	0.66	0.33
Themenbereich II	U Göttingen	0.50	0.50
Themenbereich II	Uni Wuppertal	0.50	0.50
Themenbereich III	RWTH Aachen	2.00	1.00 +0.25
Themenbereich III	U Freiburg	0.66	0.66
Themenbereich III	U Hamburg	0.66	0.33
Themenbereich III	KIT	0,66+0,5	0.66
Themenbereich III	LMU München	1.00	1.00
Themenbereich III	U Wuppertal	0.66	0.66
Themenbereich III	JGU Mainz	0.66	0.66
Themenbereich III	GU Frankfurt	1.00	0,8?
Themenbereich III	U Göttingen	0.66	0.66

schedule today

- quick round trough all topic areas and contributors
- associated partners
- discussion time at the end

- **please upload your slides, or send them to us**