Agenda

11:00 - 11:20	Shape of general meeting with speed-dating etc. (all: discussion); newsletter
11:20 - 11:40	Women4Punch (Susanne: concept)
11:40 - 12:00	Give-aways, branding, merchandises (all: brainstorming) → postponed
12:00 - 12:45	Resource book-keeping and access (all with Andreas Petzold / IRB)
12:45 - 13:15	Break
13:15 - 13:30	Meetings and responsibilities (all: discussion – preparation Thomas)
13:30 - 13:55	Reporting and high-level milestones (mid-term review 2024) (all: discussion, preparation TS)
	→ postponed until 19 January EB
13:55 - 14:05	Report from EU call discussions (Kilian)
	→ preparing letter to EU TS / Nicolas et al. for future calls
	→ potential topic: make available EU-wide via our portal the research data from our fields, together with a set of necessary workflows.
	→ revisit issue in EB 12 January 2022
14:05 - 14:20	DAPHNE, FAIRMAT, DPG, ErUM-Data etc. (all: discussion)
14:20 - End	AOB
	Work programme → TS to send out
	Astro community activities in DM / ML;
	"Schmuecken mit fremden Federn" – wie umgehen mit Produkten aus unseren Communities wie z.B. VO, aber auch Software etc.? Bescheidenheitsdebatte.
	Culture collaboration → Kilian to ask again
	Imbalance between subcommunities → Susanne to discuss in Monday meeting

General Meeting (18 January)

- Approx. every 2 months
- Combined with 1h "speed-dating" …
  - …with pre-defined topics and TA / WP combinations one hour before
  - … maybe (at least later?) rather break-out rooms for certain topics (once the TAs have a work sharing inside)
- Then 1h general meeting with
  - News (and introduce new people → ask at beginning of meeting)
  - 1 or 2 presentations: TA3+5 – algorithms for dynamic archives, TA7 – curricula
    → TS suggest to TAs, but invite general public to propose topics / presentations
  - Discussion – triggered by pre-defined questions
- Prepare speed-dating by email to TAs asking for their prefered topics and partners → TS mail around 4 January
- Followed by newsletter
- TS to create agenda soon

Newsletter

- To come every 2 months after the general meeting
- Links did not work
- Choose different format → send as PDF
- Send to: general@punch4nfdi.de, info@nfdi.de, Spokespersons mailing list,
- Send to committees → suggest to subscribe to general@punch4nfdi.de
  - KAT → AH
  - KHuK → KS
  - KET → TS to discuss with Lutz Feld (send to KET or DHEP?)
  - RdS → Michael Kramer (TS spricht ihn an)
- KS to place subscription command for general list on punch4nfdi.de teaser
- KS to create menue entry under News&Events for Newsletter and to link from teaser
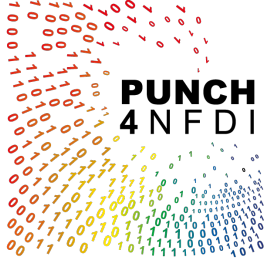
Women4PUNCH – the agreed name

- Goal:
  - Get more female scientists on board, also in leading positions
  - Strengthen the synergetic view by involving more female scientists
  - Prepare for mid-term / final report
- Means:
  - Invite women in PUNCH to a meeting on the January / February timescale (what are their interests?)
  - Susanne needs names of females in the field
    - Lists of females in the field of data management / in PUNCH → via committees etc.
      - SP: Astro; TS: KET / HEP (ask lattice separately); KS: KHuK; AH: KAT
  - Mailing list women4punch@punch4nfdi.de (punch4nfdi-women4punch@desy.de) → TS
- Questions:
  - How to increase the fraction of women in PUNCH (and bring it at least up to the level of the involved research fields)?
  - Why are you not present – what would make the project and the meetings more attractive for you?
  - Does the name raise negative associations?
  - What is your association with PUNCH – what are we doing?
- SP to get Hannah Elfner involved.

Resource book-keeping, access, and allocation

- Charge of IRB and interaction with PUNCH / EB
- How can our users (?) access and use which (in-kind and other) resources?
    - Who is user?
    - AAI?
    - Which resources?
    - For what purposes?
    - What boundary conditions / limitations are there?
    - How to apply and access?
    - Is a unified single access method for all or at least a set of resource providers realisable?
    - How does book-keeping / accounting work?
- Need table what is provided in kind? → EB to ask centrally all providers to solidify numbers
    - Question: "Specify the numbers in the proposal – for who for when for which purposes are these resources to be used, and how can they concretely be accessed?"
    - TS to ask TA2 whether they can formulate the question (assisted by IRB, taking all bullet points above into account) and support EB in collecting the numbers.
- IRB to discuss ideas of individual providers on how to deal with the problem.

Meetings

- EB → Thomas
- MB → PM (Thomas interim)
- TA/WP meetings
  → TA/WP leads
- IRB → Petzold; PM contact
- UC → Elfner; PM as contact
- SAB → Heuer; PM as contact
- Collab tools → Harry (TS ask)
- Use cases → Kilian
- Co-app meeting → ad-hoc when necessary (next meeting for financial people and PIs until 10 December)
- General meeting → Thomas / PM
- PUNCHLunch → Kilian (TS schickt Liste)

- Jour fixe Sprecher → Thomas
- Consortium Assembly
  → Thomas /Susanne
- Admin circle → PM/Sonja
- Finance circle → PM/Sonja
- Communication circle
  → PM?/NN
- Section CI
  → Kilian (KS will also ask CW)
- Section Metadata
  → Stefan, get TA4 on board (Karsten Urbach)
- Section Education
  → Frank / Kevin (?)
- Section Legal&Ethical
  → AH / TS helps
- Coordination Coffee session, InfraTalk, ToolTalk?

- Discussion Basisdienste?
- TF Monitoring → Thomas
- TF Tools → Kilian (pointer from TS)
- Tools subgroups: AAI → Kilian, Helpdesk → Kilian / Andreas?, Projectmanagement → not now, Rocketchat → Harry (TS to ask), DMP → Harry??? (TS to ask), File sharing cloud → Thomas
- Rocketchat contact → Harry(?)

- Joint colloquium FAIRMAT etc.
  → Matthias (to ask Frank)
- Contact person DPG
  → Thomas
- Working meetings DAPHNE
  → Thomas
- …?

Tasks

- MB and overall scientific work organisation → PM

- Meetings → see page before
- Newsletter → Thomas / PM
- Reporting → PM + Sonja

- Twitter → need to find people to share account (all); account sharers to address Matthias / Thomas
- Web → Kilian / Thomas
- Intranet → Harry, all
- Youtube? → only on special occasions (e.g. when portal ready)

Further action items

- Coordinate with consortia of round 2 – do we have a structural disadvantage? (MaRDI, TEXT+, …) → TS
- Topic to be discussed: Help desk
- Basisdienste Kilian + Thomas (Mail finding)
- Kilian, Stefan --> Rocketchat (TS)
- Get IN2P3 as participant on board????

Reporting

- (cf. proposal document / mechanism by Thomas)
- Dummy reporting end of this year?
- First true quarterly report end of March 2022 (kick-off for reporting or report ready?)
- Work in TF Monitoring continues.

- No financial part – just annual "Verwendungsnachweis" (attached for internal use once per year)
- Contents: scientific / technical part + in-kind contributions (personnel, hardware, …)

High-Level Milestone Collection

- Working AAI connected to most science players in D – many users already!
- Platform prototype
  - Number of data sets
  - Number of services
  - Number of users
  - Number of co-developers and submitters
- Data lake prototype ("new federated storage and compute infrastructure Compute4PUNCH")
- Marketplace
  - Number of …
- Curricula draft + material collection
  - Number of materials
  - Number of users
  - Number of …
- Multi-parametric signals in huge data streams

➔ TS to check template and make new proposal ;-)

High-Level Milestone 1

We will create a **prototype implementation of PUNCH-SDP** (Science Data Platform) accessible via **PUNCH portal and PUNCH AAI** based on **new federated compute and storage infrastructure Compute4PUNCH** with **draft metadata definition** for the PUNCH sciences, **prototype implementation of digital research products** (DRPs) for selected analyses, and a wide and searchable range of open data research products across the PUNCH communities, including **interactive access to a notebook-like interface for selected DRPs and workflows** (algorithms, data transformations, services).

TA4
TA4,6
TA2
TA4

TA3 etc.

Benefit: This system will allow to access open data and other open research products from a selected range of sources across PUNCH. Furthermore, it will already be possible to create and re-use dynamic research products including analysis workflows based on a selected, initially narrow, range of analysis tools and required software environments, to collaborate within a research group on the development of an analysis workflow, and to analyse and combine research products within the supported range of formats and tools.

High-Level Milestone 2

We will set up a **test environment for identifying highly complex (multi-parametric) signals in huge data streams**. This is a prerequisite for **future discovery science** in the PUNCH sciences and beyond, and it includes the specification of the **concept of a dynamic archive**, the **linking to information present in traditional archives** and **numerous technical developments** (dealing with information loss, dynamic filters, **scalability of workflows**, etc.).

Benefit: Dynamic archives and the identification of complex signals in increasingly large data streams – which will occur in more and more branches of science – are mandatory for gaining new scientific insights from the

TA3,5

TA5
TA2,4

TA2

High-Level Milestone 3

We will install our **marketplace** including a **notice board and tools for communication** inside PUNCH4NFDI and between all NFDI consortia, with the aim of facilitating **exchange of services** and expertise on all NFDI goals. An important thread in the communication will be on **archives, data management software**, services and community support hubs.

TA1,6

TA2,3,4

Benefit: The knowledge of the entire NFDI will be made available to all consortia and, not least, within PUNCH4NFDI. With the possibility to use data, research products, and workflows via the data platform of milestone 1, this allows for an entirely new range of science to be exploited.

High-Level Milestone 4

We will have

- established the PUNCH4NFDI Young Academy including regular events and courses.
- developed standardized university curriculum, including the compilation of teaching material for courses and independent learning.
- studied and tested pedagogical approaches to promote data science to children, including the setup of pilot extracurricular activities in schools and changes to school curricula.
- mapped out potential research applications in citizen science.

TA7

Thank you!

The PUNCH4NFDI Consortium

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