

TAG Meeting

WP3: Hermann Heßling, Stefan Wagner

PUNCH4NFDI

Nov. 17, 2022

1. Status report

MPIfR (Michael Kramer)

- Hired a person
- Working on a conversion of propriety data format to FITS format of archival Effelsberg data

HTW (Hermann Heßling)

- Since Nov. 1, 2022: two FTEs
 - Tanumoy Saha, Marcel Trattner
- In addition two students
 - Tim Oelkers, Christopher Mauritz
- Status
 - overview on „dynamic“ metadata frameworks [TA 6 - WP 3], TO: Mar. 2023
 - memory-based computing [TA 5 - WP 4]
 - Marcel + Tim: talk on Radio2022

MPIK, AIP, UHD

2. Overview on WP 3

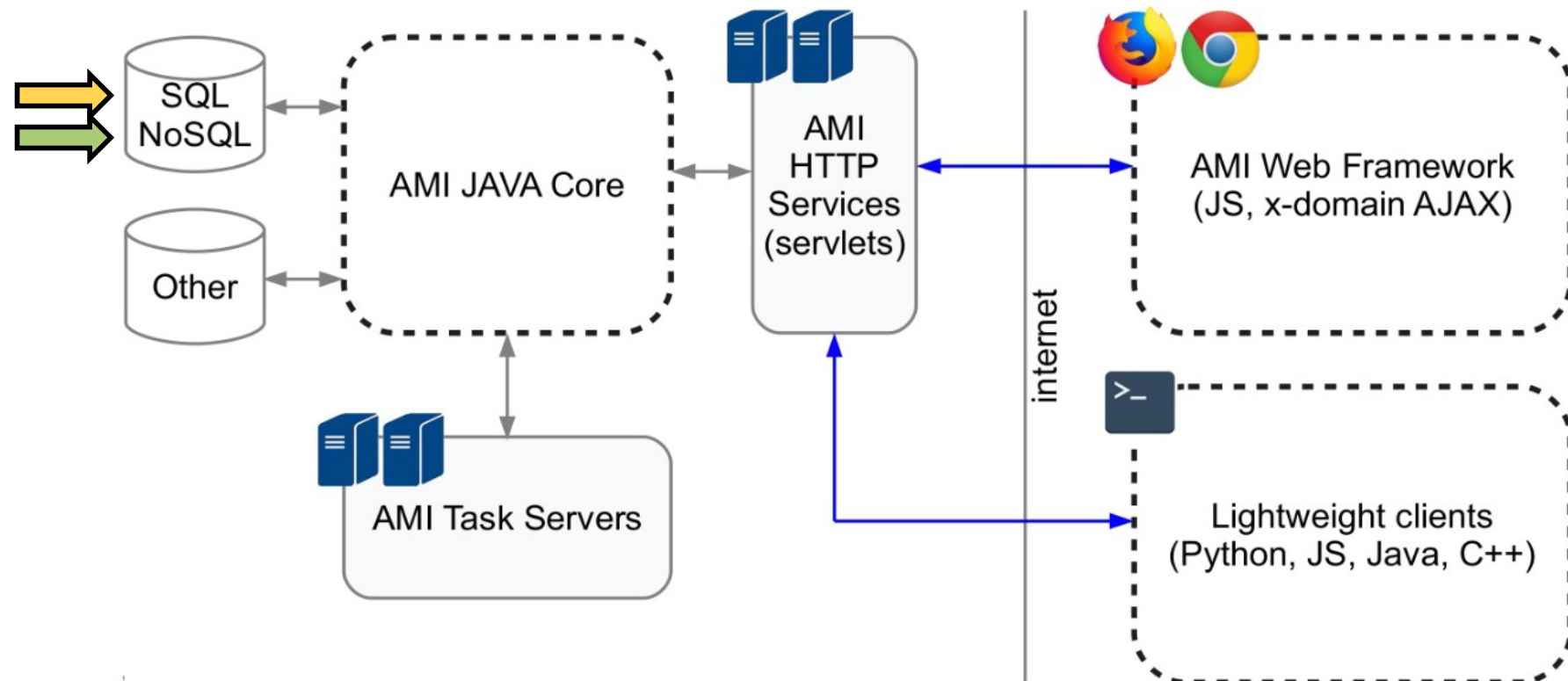
Deliverables (reduced work plan)

- **WP3-1 (31 Jul 2022)**
 - Reference guide for scientists and journals on **publishing data**.
- **WP3-2 (31 Dec 2022)**
 - White paper/reference guide for **publication of software**.
- **WP3-3 (31 Dec 2025)**
 - Exploring existing **dynamic metadata frameworks** for their integration into the PUNCH-SDP.
 - [A Case Study for Petascale Applications in Astrophysics: Simulating Gamma-Ray Bursts.pdf](#) [2008]
 - [Distributed Metadata Management of Mass Storage System in High Energy Physics.pdf](#) [2017]
- **WP3-4 (31 Mar 2024)**
 - Making **Effelsberg data openly** available.
- **WP3-5 (31 Dec 2024)**
 - Flexible converter for FITS/ROOT formats; **Preparing HESS data** for FAIR access.
- **WP3-6 (31 Dec 2025)**
 - Demonstration of formats for **metadata-extensions** including auxiliary data through pointers and databases.

3. Metadata interfaces

ATLAS @ LHC

- AMI (ATLAS Metadata Interface) 2.0
- Metadata aggregation + transformation + cataloging



[https://www.epj-conferences.org/articles/epjconf/pdf/2019/19/epjconf_chep2018_05046.pdf]

TA5/6



TA2/3



TA4

Thank you !