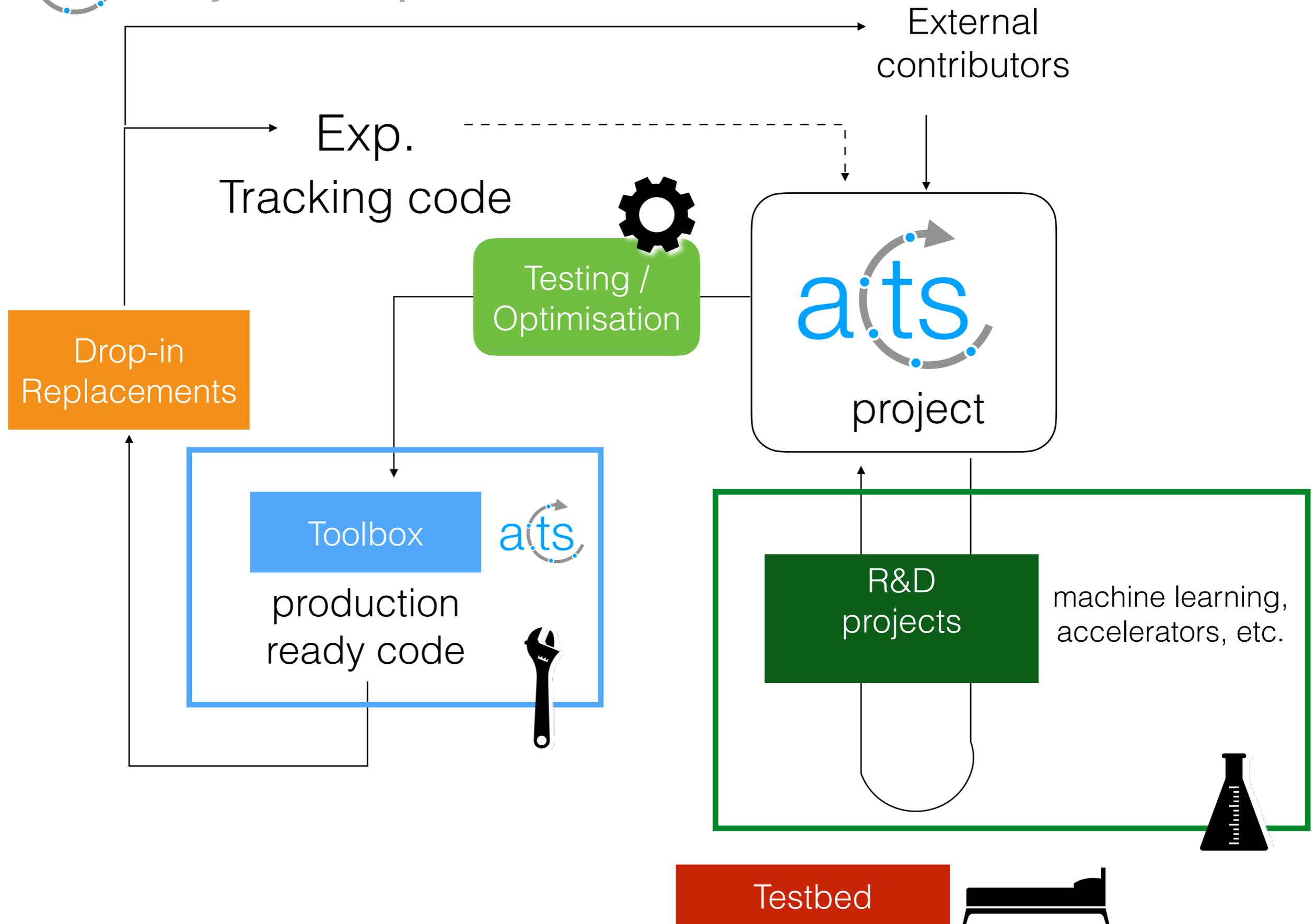


Workshop Close-out

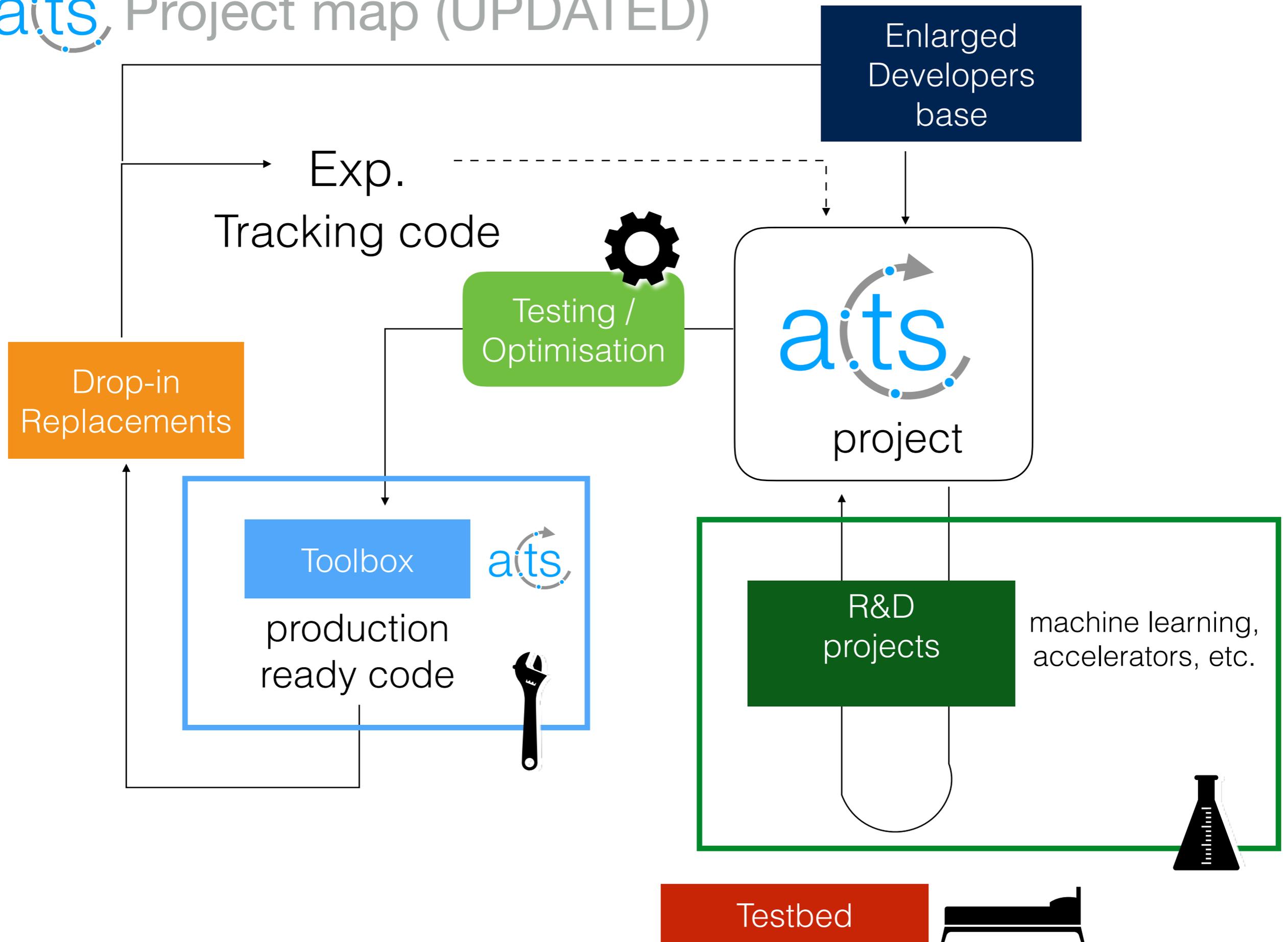
A. Salzburger



ats Project map



ats Project map (UPDATED)





Workshop - Weekly schedule

Mo

Tue

Wed

Thu

Fr

16:00

Introduction, Status,
Heather Gray

Q&A Session: Q&A Session

Q&A Session

Q&A Session

Q&A Session

17:00

Tutorial Session: Tutorial Session
Andreas Salzburger

Core Development: Core Development
Xiaocong Ai

R&D Development
Nicholas Styles

Close-Out: Close-Out
Florian Urs Bernlochner

18:00



pre-recorded

ats Workshop - Q&A sessions

Mo

Tue

Wed

Thu

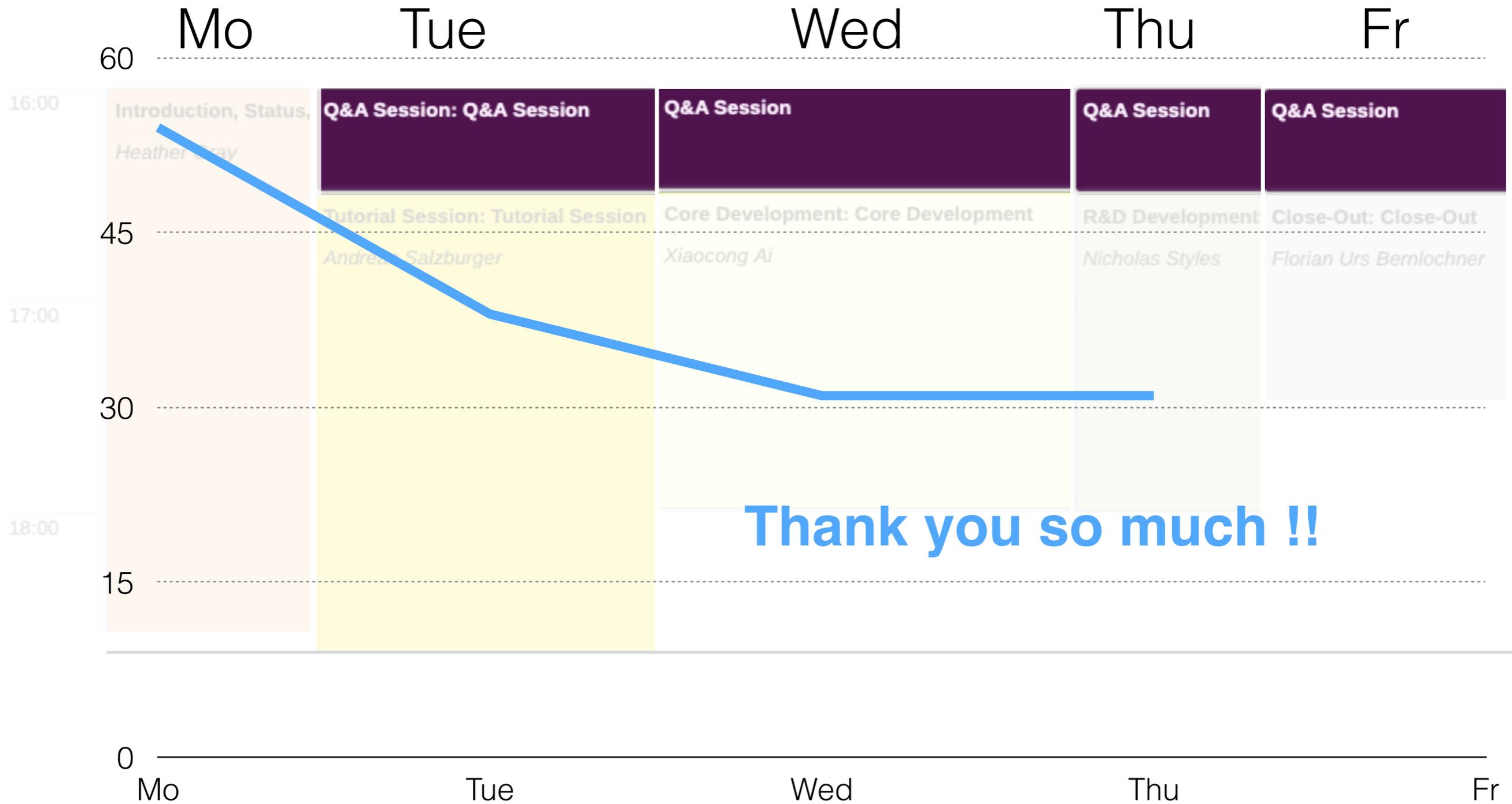
Fr

| | | | | | |
|-------|---|--|---|--|---|
| 16:00 | Introduction, Status, <i>Heather Gray</i> | Q&A Session: Q&A Session | Q&A Session | Q&A Session | Q&A Session |
| 17:00 | | Tutorial Session: Tutorial Session <i>Andreas Salzburger</i> | Core Development: Core Development <i>Xiaocong Ai</i> | R&D Development <i>Nicholas Styles</i> | Close-Out: Close-Out <i>Florian Urs Bernlochner</i> |
| 18:00 | | | | | |

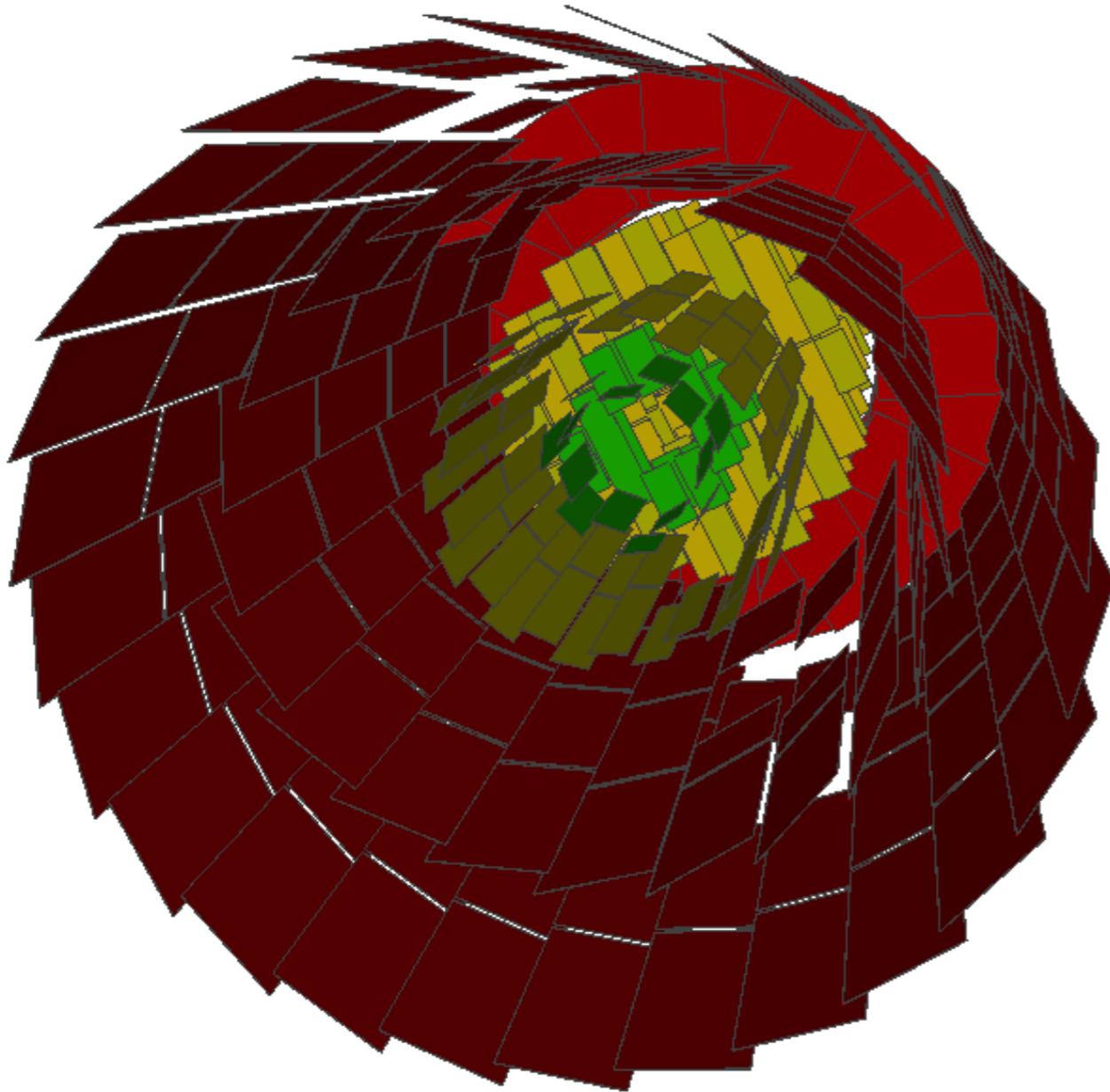
I found that structure extremely useful!

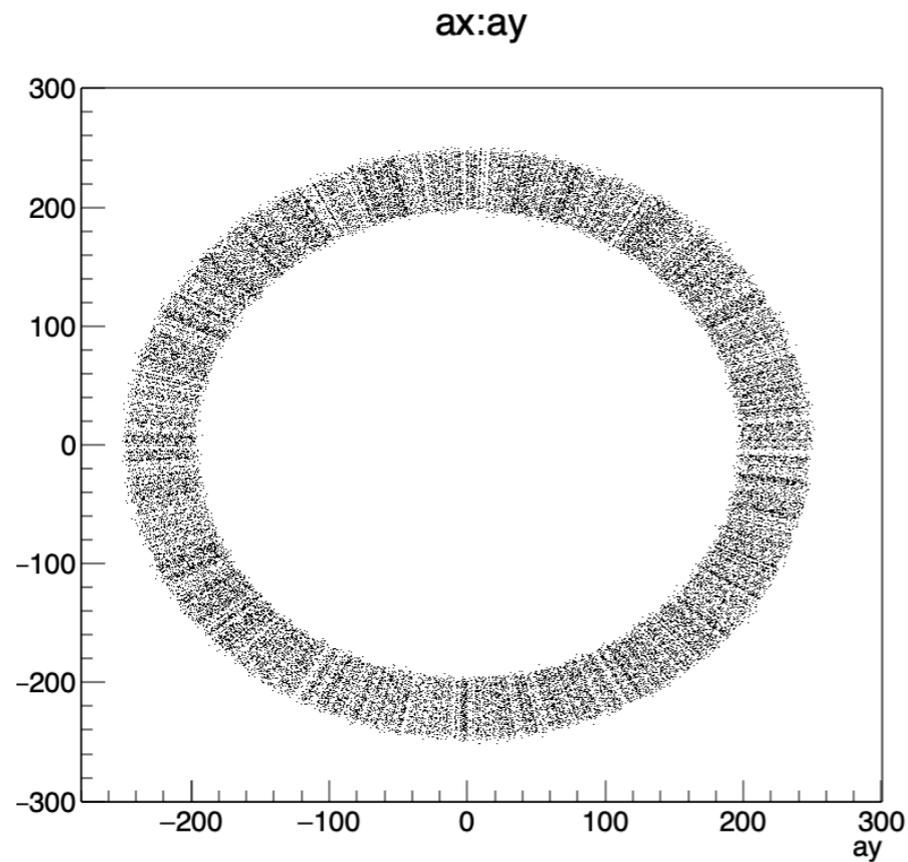
ats Workshop - Attendance

53 Participants Chat



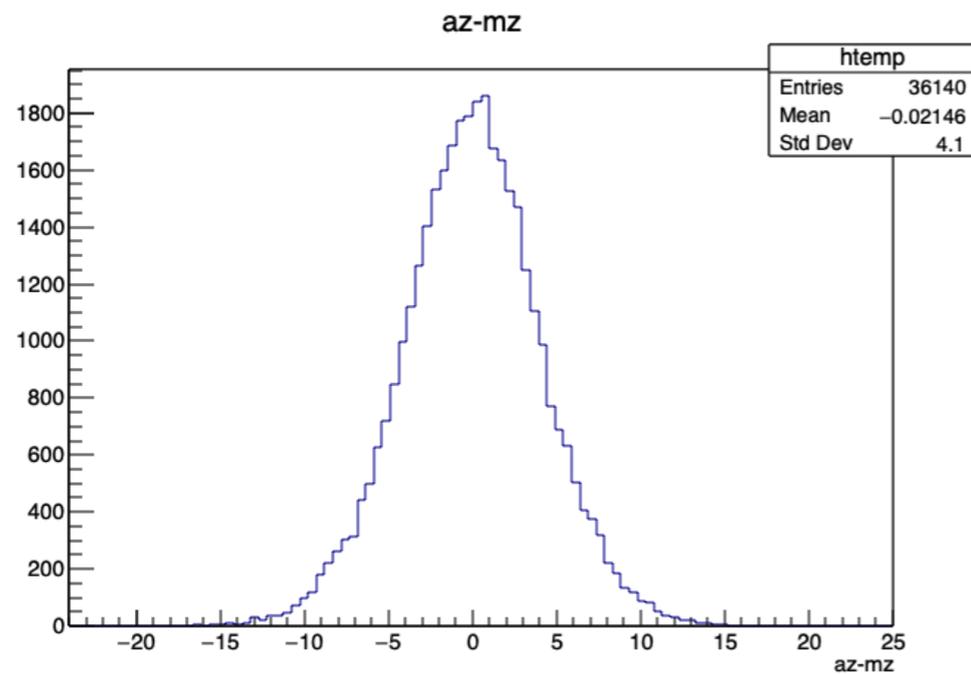
Panda should be quite
easy to integrate
- PR in preparation





Navigation seems to swallow
3D point approach

- Would enhance a geometry on the fly
(e.g. drift charge distortions of initial geometry)



Rudolf E. Kálmán

From Wikipedia, the free encyclopedia

Rudolf Emil Kálmán^[3] (May 19, 1930 – July 2, 2016) was an Hungarian-American **electrical engineer**, mathematician, and inventor. He is most noted for his co-invention and development of the **Kalman filter**, a mathematical algorithm that is widely used in **signal processing**, **control systems**, and **guidance, navigation and control**. For this work, U.S. President **Barack Obama** awarded Kálmán the **National Medal of Science** on October 7, 2009.^[4]

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- 3 [Awards and honors](#)
- 4 [See also](#)
- 5 [Selected publications](#)
- 6 [References](#)
- 7 [External links](#)

Rudolf E. Kálmán



| | |
|--------------------|--|
| Born | Rudolf Emil Kálmán ^[1] May 19, 1930 Budapest, Hungary |
| Died | July 2, 2016 (aged 86) ^[2] Gainesville, Florida |
| Citizenship | Hungary United States |



Move to github.com

- (albeit a bit painful) was the right decision

Workflow

- Create "Perfect Initial Task" label for people to join the project w/o much expertise

Documentation:

- We need better examples and documentation
(Workshop was a boost to that, 3 PRs already prepared)
- Particularly **TGeo** plugin (which is also basis of DD4hep plugin), needs more information, part of:

Information - come & join!

Repository:

- <https://github.com/acts-project/acts>

Documentation:

- <https://acts.readthedocs.io/en/latest/>

Mailing lists:

- acts-developers@cern.ch
- acts-parallelization@cern.ch
- acts-users@cern.ch

Meetings, indico category (<https://indico.cern.ch/category/7968/>):

- Developers meeting: Tuesday, 17:00 (CERN) - weekly
- Parallelization meeting: Friday, 16:00 (CERN) - bi-weekly on demand
- Fitter meeting, Monday 16:00 (CERN) - on demand

ats @ DESY2021

If DESY wants to host us 2021, we will not make a call/search for another venue.

I really hope we can have an in person workshop in Hamburg next year !



In any case, thank you NICK for this year's organisation!