



# The SSC fellowship program

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Personalized support and RSE education for young researchers

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# RSE Education - a hole in the spectrum



## Courses & practical

- introductory nature
- very general
- unspecific knowledge transfer

### Meltoring

- longer-term project support
- help with specific problems
- tailored knowledge transfer

#### **Consultations**

- very specific
- very short term
- limited knowledge transfer

## The SSC fellowship program



#### **Mentoring**

- longer-term project support
- help with specific problems
- targeted knowledge transfer

#### Target audience

- Phd students and postdocs working on RSE projects
- competitive selection process

## **Operation**

- mentor-fellow teams
- monthly meetings
- possible participation in deRSE
- one year duration

## The SSC fellowship program - How it started



- application: 1p project description, project status, CV
- oversubscribed by x3
- selection: proposal quality, academic performance, relevance for community, open source
- team formation: interest and preference, technical ability
- start: late July 2024

Sport science
VR system
Unity

Astronomy large datasets Python, Dask, C++ Biophysics cell sorting Python, Zeiss API Astronomy
GPU-based simulation
Python, JAX

## How it's going: Mentees



- qualitative survey, 3 out of 4 answered
- motivation and fit into target audience
  - help with code structure and acute coding problems
  - learn about RSE (career perspective)
  - o more structured 'work packages', would make it a better fit
  - o mentor's responsiveness is important

## How it's going: Mentees



- program effectiveness and interaction with mentors
  - software architecture and project management
  - "It's worth prioritizing this and emphasize its value to your supervisor [...]"
  - increased meeting frequency
  - clearer time commitment from mentors

# How it's going: Mentors



- sustained engagement in three teams
- obstacles in one team: lack of overlap
- 2 parallel lanes
  - o early phd: student
  - o postdoc: colleague

## Summary



- Mentorship programs are difficult
- socio-technical problem
- overlap with team formation for projects?
- "success lies in the process"

- clearer evaluation of projects
- clearer structure of interactions
- benefits change with career stage