



“Stellar Clusters in 4MOST”

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- **Aims:** The minigrant is meant to support the preparation of the recently approved ESO public survey at “Stellar Clusters in 4MOST”, which aims at mapping the chemo-dynamics of stellar clusters, study their formation process and investigate their relationship with the Galactic components. This is a program with clear INAF leadership, involving 60+ members from 10+ countries, and has been approved for 210k fiber hours. The survey is scheduled to start in mid 2025, but crucial steps of preparation (survey design and strategy, target selection, simulation etc) is to be carried out in 2022-2024.

- **Funding:** 16Keuro -- 13Keuro travel/conferences/workshop, 3K euro hardware

- **Intended to:**
 - Fund the participation of 1-2 people in the survey in key meetings of the overall collaboration (4MOST Science Team Meeting, All hands meeting etc)
 - Secure the updated hardware on which to investigate different combinations of requirements and different details in the survey design
 - Organize a readiness review meeting of members of our survey close to the first light.



- Due to delays in instrument construction, the whole schedule for the survey has been delayed by 8-10 months

- Progress: we are on track with all our deliverables to the collaboration:
 - Survey target catalog
 - calibration catalog
 - definition of figure of merit
 - selection function

- Expenses in 2023 allocated to:
 - Participation in Science Team Meeting in Brighton (Lucatello)
 - Travel to Quality Control Group meeting in Berlin (Carrera)

- So far, the only critical point is the delay in the instrument development, which has led to a general shift in the project timeline.

