

ADASS Conference 2025:
Abstract for a poster on the topic of
combining cloud and HPC infrastructure

DZA WP3 Data Science

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One of the major challenges in astrophysics in the coming years will be managing and processing the large amounts of data that will be generated in the future by the new generation of telescopes such as the square kilometer array observatory (SKAO). Of particular interest here is the ease of use of data services and the simple setup of data pipelines. The solution to this problem lies in modern cloud computing approaches. In addition, the processing and analysis of large amounts of data requires computing capacities that are typically found in the field of high-performance computing. The DZA is currently pursuing a combined solution approach, which is explained in detail in the submitted poster.