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## Kubernetes and Cloud Native at the SKA Regional Centres

The SKA Observatory is expected to be producing up to 600 petabytes of scientific data per year, which would set a new record in data generation within the field of observational astronomy. The SRCNet infrastructure is meant for handling these large volumes of astronomy data, which requires a global network of distributed regional centres for the data- and compute-intensive astronomy use cases. On the Swiss SRCNode, we aim to use Kubernetes as a service management plane which interacts with external storage and compute services as part of SRCNet to build a science analysis platform.

### Desired slot length

15-20 min

### Speaker release

Yes

**Author:** JOSHI, Rohini

**Presenter:** JOSHI, Rohini

**Session Classification:** Cloud Technologies, Virtualization & Orchestration, Operating Systems

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