

# The IVOA ExecutionBroker, an overview

IVOA provides data models and tools to build data access and transfer services.

Size and complexity of the datasets available in the Virtual Observatory are increasing, thanks to the last generation of astronomical tools, and requires new solutions. In the VO community, Science Platforms to bring together the datasets co-located with the compute resources needed to analyse them are deployed or under development. However, to date, the IVOA does not provide any APIs or services that enable science platforms to exchange the software used to analyse the data (i.e. “to bring the code to the data”).

The IVOA Execution Broker provides a step towards making this possible.

This talk is an overview of the IVOA ExecutionBroker specification and how to use it.

**Primary authors:** MORRIS, Dave (Manchester University); BERTOCCO, Sara (Istituto Nazionale di Astrofisica (INAF))

**Presenter:** BERTOCCO, Sara (Istituto Nazionale di Astrofisica (INAF))