

## ASTROINFORMATICS, VIRTUAL OBSERVATORY AND WEB 2.0

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**Abstract.** In the last ten years the huge development in sensor and ITC technologies has revolutionized the operational framework of observational astronomy. The size and complexity of modern astronomical data sets require in fact the interoperability of data centers and data archives as well the possibility for the average user to access large computational facilities. The Virtual Observatory has largely solved most of the problems related to data interoperability and has also provided the community with a wealth of tools capable to effectively deal with a distributed data environment. Much work, however, remains still to be done since the limitations of the network infrastructures pose strong constraints on the way data can be processed since Multi-Terabyte of data cannot be easily moved. This problem can be in part circumvented by moving applications rather than the data.

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