

Proposal Submission Forms



EUROPEAN COMMISSION
6th Framework Programme for
Research, Technological
Development and Demonstration

Support for Research Infrastructures
Integrating Activities/Communication Network Development
Integrated Infrastructure Initiative

Proposal Number ¹	P	Proposal Acronym ²	VO-NET
------------------------------	---	-------------------------------	--------

GENERAL INFORMATION ON THE PROPOSAL

Proposal Title ³ (max. 200 char.)	European Virtual Observatory Data Centre Network		
Duration in months ⁴	48	Call (part) identifier ⁵	FP6-2002-Infrastructures-2
Activity code(s) most relevant to your topic ⁶	INFRASTR-2.1		
Keyword 1 ⁷	Astronomy		
Keyword 2 ⁷	Electronic data interchange		
Keyword 3 ⁷	Virtual Organisations		
Class of infrastructure ⁸	Communication Network Development		
Abstract ⁹ (max. 2000 char.)			

The European Virtual Observatory (**EURO-VO**) is an integrated and coordinated program of work designed to provide the European astronomical community with the data access, research tools and systems, research support, data interoperability standards, data-flow practices and data centre coordination, necessary to enable the exploration of the astronomy data GRID comprising European and international astronomical data archives. The project is based on the research, development experience and prototypes produced in the FP5 RTD project entitled Astrophysical Virtual Observatory (**AVO**) and the science case experience of the "Enhancing Access to Large Facilities" initiative **ASTROVIRTEL**. EURO-VO will implement a Data Centre Alliance, a Facility Centre and a Technology Centre. The **VO-NET** work program contains the technological and infrastructural aspects of the EURO-VO Data Centre Alliance. The consortium consists of 8 member organizations comprising European intergovernmental research organizations, and VO national research programs and national initiatives. VO-NET will examine the national VO policies, assess technological needs, identify GRID-related systems, and identify collaborative actions with a high European-added value, well phased with the national expertise and priorities. VO-NET will implement a network of local GRID experts for technology implementation, networking assessment and collaborative action deployment. VO-NET will also start collaborative actions in two domains of expertise of European astronomy, crossing the current borders of the international astronomy information GRID: assessment of the implementation of Theoretical Astronomy Services; implementation of direct links between results published in electronic journals and the original observations stored in observatory archives.