

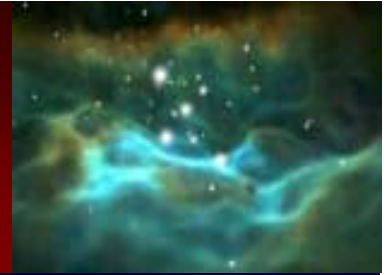
ESA GRID Workshop

Welcome!

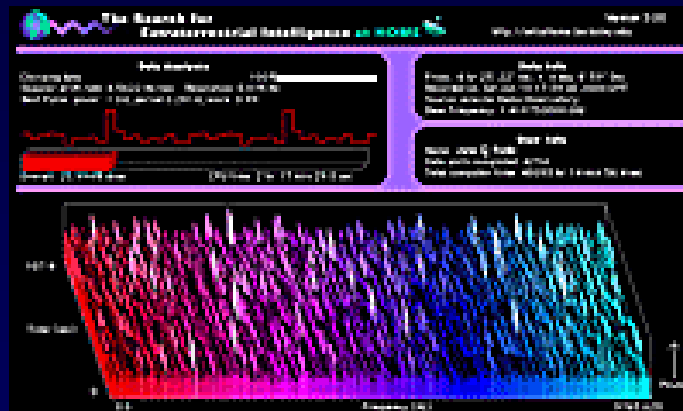
25th October, 2002

Salim Ansari





The SETI @ Home Experience

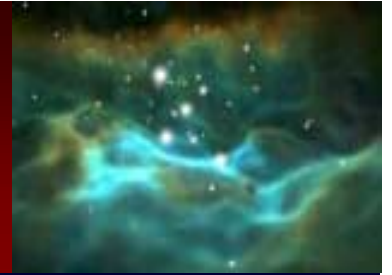


The most powerful computer, IBM's ASCI White, is rated at 12 TeraFLOPS and costs \$110 million. SETI@home currently gets about 15 TeraFLOPs and has cost \$500K so far.

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The term "the Grid" was coined in the mid1990s to denote a proposed **distributed computing infrastructure** for advanced science and engineering

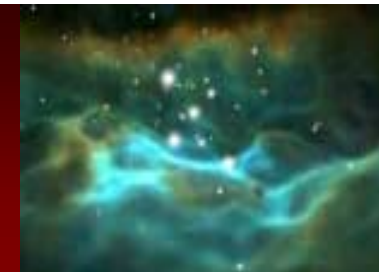
Ian Foster, Carl Kesselman, Steven Tuecke
The Anatomy of the Grid

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The GRID Organigramme



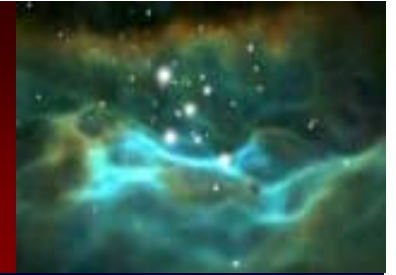
Working Groups			
<u>Working Group</u>	<u>Chair(s)</u> (past and present)	<u>Working Group</u>	<u>Chair(s)</u> (past and present)
Account Management	Bill Thigpen, Tom Hacker	Advanced Programming Models	Craig Lee, David Bader, Thierry Priol, Satoshi Matsuoka
Applications and Testbeds	Ed Seidel, Bob Hood, Piyush Mehrotra	Grid Computing Environments	Mary Thomas, Dennis Gannon, Geoffrey Fox
Grid Information Services	Gregor von Laszewski, Steve Fitzgerald, Michael Helm	Grid Performance	Peter Kacsuk, Dan Gunter, Warren Smith, Ruth Aydt, Valerie Taylor
Remote Data Access	Ann Chervenak, Andre Merzky, Reagan Moore, John Karpovich	Scheduling	Jenny Schopf, Bill Nitzberg
Security	Marty Humphrey, Steve Tuecke, Randy Butler	User Services	John Towns, Jim Fergusen
Advanced Collaborative Environments	Jason Leigh, Rick Stevens	JINI	Vladimir Getov, Omer F. Rana, Eric Sharakan
Grid Protocol Architecture	Bill Johnston		

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Global GF Overview March 2001



GRID Activities



- Applications
- DATAGRID
- GRIDStart
- AVO
- GREASE
- SpaceGrid

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Requirements



- Distributed Design Facility
- Distributed Interactive Simulation
- Multimedia
- Space Science Data Access and Correlation