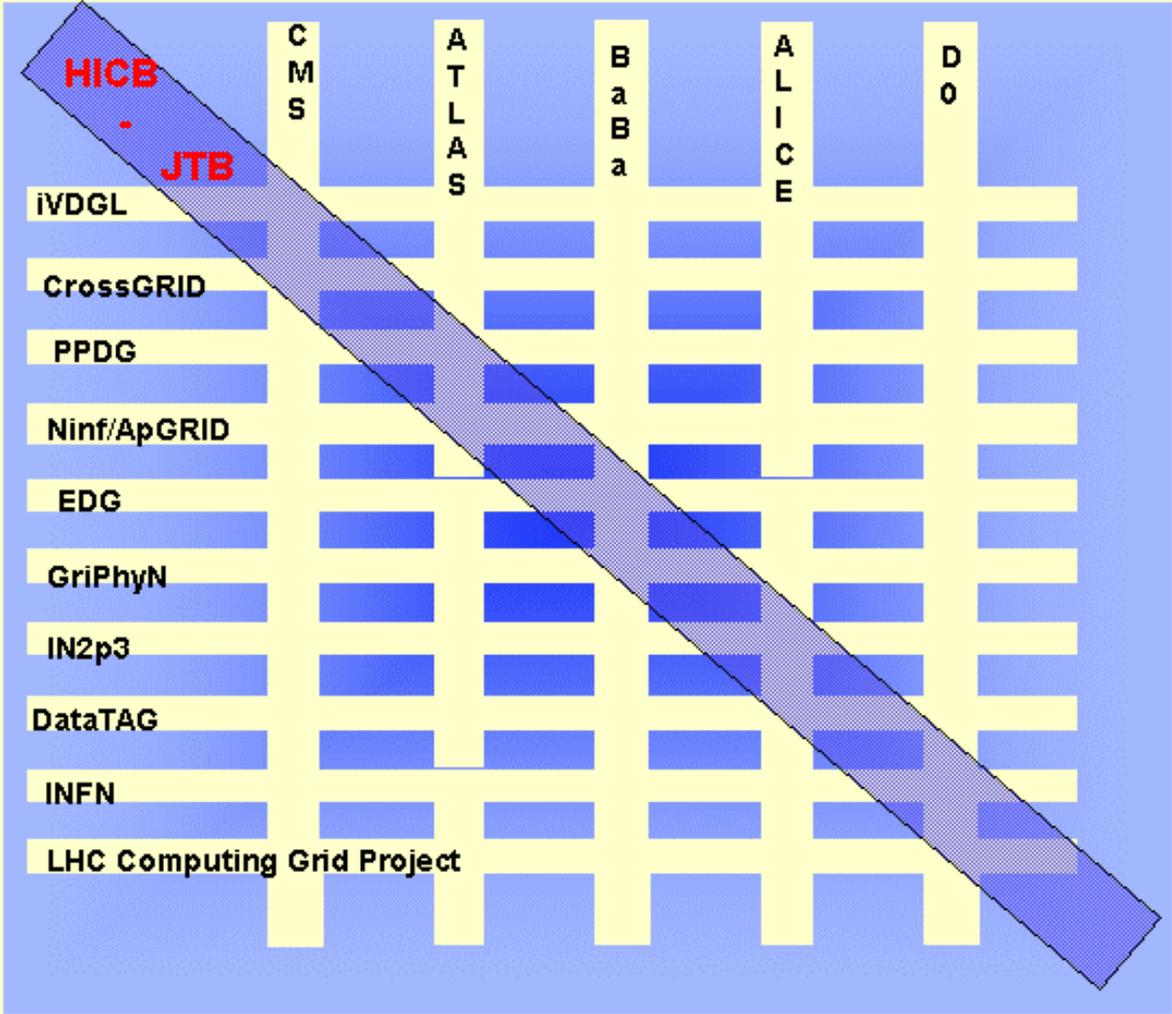


# High Energy Physics Intergrid Coordination



# HENP Intergrid Coordination Initiative –its early days..

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## Mechanism for Intercontinental coordination across High Energy and Nuclear Physics Grids (experiments and projects).

### InterGrid Coordination Board (HICB)

- representatives of computing management of experiments and grid projects – “self selected”
- meetings co-located with GGFs - single day, February 17<sup>th</sup> in Toronto will be 4<sup>th</sup> in the series. Typically around 25 attendees.

### Joint Technical Board (JTB)

- technical representatives of Grid projects – initial selection 2 Asia, 6 EU, 6 US
- Monthly phone conferences – 3 so far.
- All members have “day jobs”.

## Common Projects and Task Forces to address needs in specific technical areas:

Call for Testbed Proposals generated six submissions

# Participants in typical HI CB meeting

Larry Price	Argonne	PPDG, GriPhyN
Fabrizio Gagliardi	CERN	DataGrid
Ian Foster	Argonne	PPDG, GriPhyN
Harvey Newman	Caltech	PPDG, GriPhyN
Doug Olson	LBNL	PPDG
Miron Livny	U. Wisconsin	PPDG, GriPhyN
Richard Mount	SLAC	PPDG
Paul Avery	U. Florida	GriPhyN
Federico Ruggieri	INFN	DataGrid
R.P.Middleton	RAL	UK; DataGrid
Mirco Mazzucato	INFN	Italy; DataGrid
Guy Wormser	IN2P3	France; DataGrid
Youhei Morita	KEK	Japan
Kors Bos	Nikhef	NL; DataGrid
Paul Messina	Caltech	
Jim Sadlier	PPARC	
LATBauerdick	FNAL	PPDG
Vicky White	DOE	
Les Robertson	CERN	DataGrid
Rob Gardner	U. Indiana	GriPhyN
Satoshi Sekiguchi	ETL	Japan
Arie Shoshani	LBNL	PPDG
Laura Perini	U. Milano	DataGrid
Carl Kesselman	USC/ISI	iVDGL, GriPhyN
Ruth Pordes	FNAL	PPDG
Satoshi Matsuoka	Tokyo Inst. Tech.	Japan

## Joint Technical Board

Francesco Prelz	INFN	INFN,EDG
Marion Bubeck	Poland	CrossGRID
Antonia Ghiselli	INFN	DataTAG,EDG
Mike Wilde	ANL	GriPhyN
Rick Cavanaugh	UofFlorida	GriPhyN, iVDGL
Peter Couvares	UofWisconsin	PPDG
Doug Olson	LNBL	PPDG
Joseph Lefoll	Saclay	IN2P3,EDG
Ruth Pordes	FNAL	PPDG,iVDGL

# HICB/JTB TestBed Plans

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## HEP Experiment TestBed proposals:

- ALICE – distribute Alien for simulation production for Spring 2002.
- ATLAS – transatlantic tests tied to Data Challenge 1 in Mar 2002 and Data Challenge 2 in July 2002
- CMS – transatlantic test tied towards simulation production using Grid services. US goal for Spring 2002; CMS goal for Fall 2002??
- D0 – SAM in use for archiving of distributed simulation production and distributed caching data from tape for analysis.
- BaBar – distributed job production using EDG components

**Recent LISHEP Grid Workshop brought positive input and interest from Brazil to joint Grid work.**

# Grid Reference Intercontinental TestBed

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Iterative bottom up tests of components and layers to be sure of interoperability:

- Authentication and Authorization (a theme here!)
- Resource discovery and job scheduling

and compatability from different packaging and distributions sites must interoperate:

- EU will download EDG Software 1.x releases,
- US will download VDT 1.x or independent Globus/Condor/GDMP components.

**EDG, DataTAG, IVDGL, ? Are committing manpower to this –**

**Goal to prevent diverge across the continents....**

## **(Ultimately) Standards are Going to be Essential**

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- Internet2 HENP Working Group
- Global Grid Forum
- Web services standards
- IETF

**There is a lot of work and learning to do until then..**

**D0 real life experience is being invaluable**

**There is hopefully a commitment to interoperable Grids by all**