

AMPATH Workshop

AMPATH and the International Research Community

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Florida International University

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Request for Application Information

- Request issued April 2001 using mailing lists
- Workshop proposal submitted to the NSF's CISE/ANIR Division to hold a workshop to further identify applications

Information Requested: For now, we only need you to identify either existing projects or potential projects with international collaborators in the US, Central and South America, Mexico, the Caribbean, Canada, Asia or Europe.

Project Title:

Contact Person(s) (Individual, Institution, city, country, email) :

Potential Collaborators (including contact people) (Individual, Institution, city, country, email) :

Project URL (if one exists) :

Application Description (1-2 paragraphs):

Application Type (select one):

- Biology
- Computer, Information Sciences
- Education
- Engineering
- Geosciences
- Math, Physical Sciences
- Polar Research
- Social, Behavioral Sciences
- Other (please explain)

Network Information If known, what research networks do you want to access (In Latin America and the Caribbean? In the USA? In other countries?)

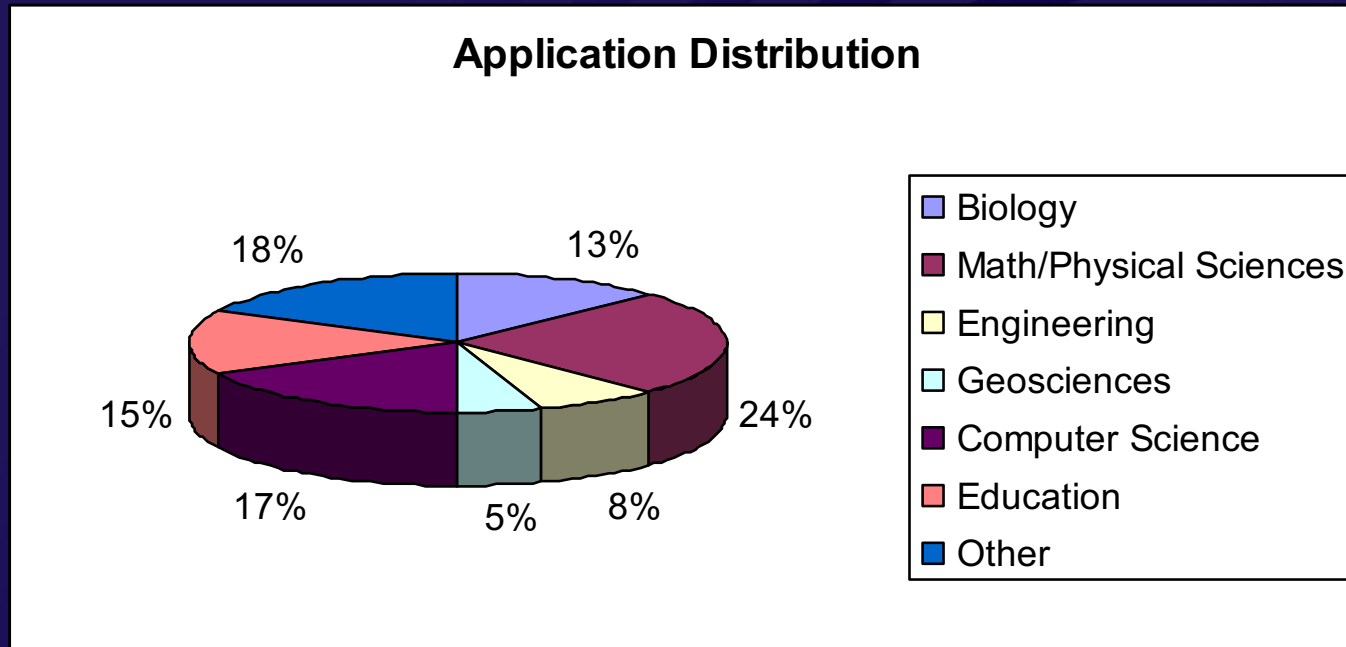
What are your bandwidth requirements?

Comments:



Application Information Results

- To date, 40 application information requests have been documented
- Requests cover a diverse field of study



Application Information Results

- Having an advanced networking infrastructure for research & education would benefit research institutions in:

- Argentina
- Australia
- Austria
- Brazil
- Canada
- Chile
- Colombia
- Korea
- Mexico
- Panama
- Puerto Rico
- Peru
- Singapore
- Spain
- US
- Venezuela
- West Indies

And the list goes on...

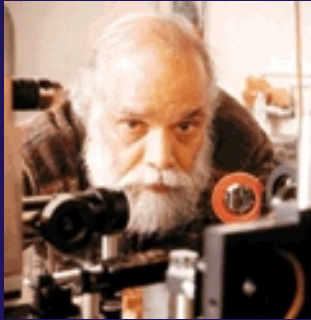


Application Information Results

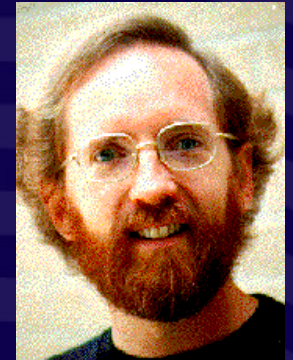
- Bandwidth requirements range from 8 Mbps today to a projected 2.4 to 10 Gbps over the next 3 – 5 years.
- The average requirement today is between 45 and 155 Mbps.



Our Speakers



- US scientists conducting high-quality science in the AMPATH Service Area
- Latin American scientists who are recognized research leaders
- Professionals from National Research Networks that support high-performance network-dependent applications for science, research and education



AMPATH Workshop Scientists

J. Kennedy	US (Hawaii)	AURA	Math, Physical Sciences	Gemini Observatory
L. Campusano Chile	Chile	CONICYT	Math, Physical Sciences	Gemini Observatory
J. Facelli	US (Utah)	University of Utah	Math, Physical Sciences	Modeling 13-C and 15-N Chemical Shifts in Crystalline systems
H. Newman	US (California)	Cal Tech	Math, Physical Sciences	Particle Physics Data Grid
C. Geyer	Brazil	U. Federal do Rio Grande	Math, Physical Sciences	Chemistry
R. Crutcher	US (Illinois)	NCSA	Math, Physical Sciences	Aricebo Observatory, Puerto Rico
T. Troland	US (Kentucky)	University of Kentucky	Math, Physical Sciences	ALMA Observatory (ALMA), Chile
T. Defanti	US (Illinois)	U. of Illinois at Chicago	Computer Science	STAR TAP / Starlight
R. Armstrong	Puerto Rico	U. of Puerto Rico	Biology	Marine and Atmospheric Science Data Fusion System
H. D'Antoni	US	NASA's Ames Research Center, Moffett Field, CA	Biology	Marine and Atmospheric Sensor Data
R. Bradford	US	NASA	Math, Physical Sciences	Int'l Space Station
M. McClain	US (Florida)	FIU	Biology	Inter-American Institute for Global Change Management
O. Sala	Argentina	Universidad de Buenos Aires	Biology	Biodiversity in the Americas
S. Saxena	US (Florida)	FIU	Geosciences	High-pressure physics for the study of matter under extreme conditions
A. Guillermet	Argentina	Centro Atómico Bariloche-Instituto	Geosciences	Thermodynamics of Complex Material Systems
N. Rishe	US (Florida)	Florida Int'l University	Computer Science	Terrefly
F. Utreras	Chile	REUNA	Computer Science	Optical Networking
M. McRobbie	US	University of Indiana	Computer Science	TransPAC, Global Research NOC
G. de Teramond	Costa Rica	Ministry of Science and Technology	Computer Science	High-Performance Networking
L. Burkhart	US	Georgia Institute of Technology	Computer Science	United Counter Drug
H. Torres	Colombia	Universidad Nacional de Colombia	Engineering	Acquisition and Analysis of Lightning Signals
L. Achite	Brazil	Inter-American Institute for Global Change Management	Computer Science	AIA Database Information System (DIS)



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Methodology for Speaker Selection


- Request for participation sent to the AMPATH, Internet2, Stars, Supercomputing Centers, and GriPhyN mailing lists
- Used contacts provided in the Request for Application Information responses
- Formed an AMPATH workshop organizing committee to set representation guidelines
 - Scientific disciplines
 - Geographic locations
 - US federal funding agencies



Workshop Evaluation Survey

http://news.fiu.edu/id/ampath/evaluation_survey.asp

About AMPATH	Membership	News	Network	Partnerships	Events	Publications	Applications
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Good Afternoon
Today is Monday, August 20,
2001

**FIU AMPATH Workshop to Identify Areas of Scientific Collaboration
between the US and the AMPATH Service Area
Evaluation Survey of the Workshop**

In order to plan for the future of the AMPATH Network, your response is important. Please identify either *existing* or *potential* projects with international collaborators in the US, Central and South America, Mexico, the Caribbean, Canada, Asia / Pacific or Europe.

Project Title:

Existing or Potential Collaborators:

Contact Person(s):

Institution:

City:

Country:



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Workshop Researcher Round Table

- Outline the format and content of the report deliverable
- Build consensus on the factual findings of the workshop
- Solicit recommendations for the future of AMPATH
- Funding strategies
- Publication plans



Special thanks...

- Jim Kennedy, PI for the Gemini Observatory Project
- For chairing the organizing committee
- Our first presenter.....

