

2003 Fall MM - K20 Meeting

Advisory Committee Meeting
Internet2 Fall Members Meeting
October 13, 2003

Participants

SEGP REPRESENTATIVES:

California: Leann Parker
Indiana: Susan Scott
Michigan: Scott Bryan
Minnesota: Myron Lowe
Missouri: Bill Giddings
New Mexico: Art St.George
Ohio: Linda Roos
Oklahoma: Kristen Klaver
Rhode Island: George Loftus
Texas: Dan Updegrove
Utah: Barry Bryson
Virginia: Hud Croasdale
Washington: Louis Fox, James Werle

OTHERS:

ALA: Frederick Weingarten
Indiana State Library: Ray Ewick
Internet2: Heather Bruning, Ken Klingenstein
Kansas Board of Regents: Randy Stout
MAGPI: Jennifer MacDougal
TIES: Kathy Kraemer

(If we missed your name please let James know)

PEOPLE ADDED TO ADVISE LISTSERV

Barry Bryson - Utah Education Network bbryson@uen.org
Ray Ewick - Indiana State Librarian, c.ewick@insightbb.com
Kathy Kraemer - TIES, kraemer@ties.k12.mn.us
Jennifer MacDougal - MAGPI, jmacdoug@magpi.net
Randy Stout - Kansas Board of Regents, rstout@ksbor.org
Frederick Weingarten - ALA, rweingarten@alawash.org

Discussion

K20 Agenda for 2003-2004

- * Broaden participation in the formal structure of the K20 Initiative
 - o Include representatives from the ESD, museum, library, science center, zoo, aquarium communities in the SEGP Advisory Committee
 - o For library community, possibly engage Rick Weingarten, and members of the Chief Officers of State Library Agencies (COSCA) <http://www.cosla.org/> Form a working group to investigate how to engage other state organizations doing similar or the same type of work.
 - + Leann Parker, CA
 - + Susan Scott, IN
 - + Kathy Kraemer, IN
 - + Randy Stout, KA
 - + Scott Bryan, MI
 - + Jennifer MacDougall, PA
 - + Bill Giddings, MO
- * Deepen participation in the K20 Initiative
 - o Work with Terry Rogers and Advanced to identify a set of schools, librarians, museums, etc. to implement a few pilot projects.
 - o Look for a theme or themes that will allow us to bring in the broadest range of participants across multiple K20 constituent groups.
- * Create "showcases" by community to illustrate what various groups are doing.
 - o Possible projects to focus on
 - + JASON
 - # Already "branded" and proven worthwhile and popular
 - + Read Across America
 - # This is a project that could be a quick win since it is something many of the schools are already doing and feel it is valuable.
 - # Add the videoconferencing component where students could talk to the author of a book or each other.
- * NEXT STEPS:
 - o Form a small working group to explore this project
 - + Jennifer MacDougall, PA
 - + Scott Bryan, MI
 - + Kristen Klaver, OK
 - o Louis to set up a meeting with NEA
 - o Scott Bryan to contact people from TWICE who have experiences to share.

Connectivity Survey

- * Leann Parker gave an overview of how CA has used the survey data from last year.
- * The group deemed it a valuable exercise to continue the survey.
- * The questions will remain roughly the same except ask whether IPV6 is "turned on". We will also ask for data on individual K12 schools.
- * A survey delegation tool has been created to allow Advisory Committee members to say who will fill out the survey.
- * NEXT STEPS:
 - o Advisory Committee members from each state will 1) identify people willing to fill out the survey and update it then assign the job via the myK20 survey management tool 2.) email the individual(s) to alert them.
 - o James will put Leann's paper on the I2K20 site
 - o Talk to the Center on Digital Government to see if they are interested in including data on broadband in their national survey. Hopefully this will help influence leadership making important decisions on last mile deployment and other broadband issues.
 - o Work with BNI to integrate their usage data

National Education Service Agency Conference

- * Modeled after the Mega Conference Jr.
- * The scope, length, and audience of the event was refined
- * Virtual briefing might be a good platform to deliver the first event
- * Jennifer MacDougal and Scott Bryan will get back to the group after they have evaluated the feedback on this very exciting idea.

Project Round Robin

- * Michigan - focusing on virtual meeting projects like Virtual Argonauts, TIES, and the National Educational Service Agency Conference.
- * Ohio - Supporting the Mega conference and helping support the Internet2 Commons
- * Indiana - Susan Scott would like to engage the Governor's Educational Roundtable (focuses on P-16).

Ken Klingenstein on middleware in K12

- * K12 Challenges:
 - o How do you authenticate in K12?
 - o What is the right granularity for authentication - individuals or classrooms?
 - o Who hosts the authentication abilities?
 - o What are the attributes that are passed back and forth in K12?
 - o Need a vocabulary of affiliations. Need to do it in a standardized way.
 - o How do we instill trust the system?
 - o Challenge is in defining teacher and student access levels.
- * Deployment of Shibboleth:
 - o The shibboleth software exists and can be deployed fairly easily.
 - o Community consensus is not fully there yet.
 - o Need to work out vocabularies of affiliations and trust models.
- * Why should we care about middleware and what can it do for k-12 and libraries?
 - o It allows people to restrict access to a resource based on who they are and what permissions they should be granted.
- * Will commercial organizations work with shibboleth?
 - o Federations are seen as fairly nimble and can be repurposed fairly easily and represent a major cost savings for businesses. It is in there best interest to move to a federated system. Challenge is will they go with commercial or open source code.

National Education Service Agency Conference Planning (Jennifer, Scott):

- * Purpose: Provide a better bridge the ESD organizations who are discussing how to use Internet2 in K12.
- * Provide a conference model that can be repeated fairly easily.
- * Educate participants about the opportunities that Internet2 connectivity presents.
- * Why Internet2 cares about K12
- * Why should K12 care about Internet2?
- * Illustrate what is available (pick a few successful projects and highlight what can be done)
- * Great opportunity to advertise myK20.
- * What is the audience?
- * Terry Rogers: need to take it to grass roots level.
- * Others: Audience maybe should start with K12 Ed Tech folks.
- * Risk of going to teachers unless we can offer them something they can use right now. Otherwise we frustrate them and they won't come back
- * Want to tie into existing efforts underway.
- * Side Thought: Jennifer talked with Ray Myers at DOE who deals with International Education efforts.
- * K20 initiative could highlight international related projects for November "international education week"
- * COSN - Consortium for School Networking <http://www.cosn.org/> might be able to help define the audience.

Rick Weingarten from ALA

- * Summary of the ALA/K20 workshop in VA last fall.
- * Initiate the discussion with libraries on how they can get involved in doing Internet2 related projects.
- * Start by defining Internet2 and the opportunity it presents and then come back together to start talking about what are some pilot projects we can do with libraries
- * Have not gotten to stage two yet.
- * We need some leadership in stimulating the collaborations.
- * Possible to showcase the library uses at the state and national level. Good first step in highlighting what is and can be done with Internet2.
- * What do libraries need, let that drive what Internet2 does to help meet those needs?
- * Libraries are expected to be the ones who are on top of how information is being transmitted through society. Need to identify trends and get onboard early.
- * NEXT STEPS:
 - o Add Rick and Ray to the advisory committee "group at large"
 - o Maybe there should be a K20 session for the library communities at the Spring MM.

Terry Rogers from Advanced Networking Services

- * Premise: K12 shouldn't lag 15-20 years to take advantage of advanced networking opportunities.
- * Imagine a world where there are a thriving set of network enabled projects for teachers to choose from. Probably 3 groups will emerge.
 - o Those who care about what sort of instructional content gets passed around the network.
 - o Group of technical enablers who make the technology happen down to the classroom level - teachers and students
- * Terry is proposing collaboration with K20 to focus on engaging the teachers and students.
- * What Advanced learned by doing ThinkQuest
 - o Kids lap it up
 - o No matter how bad it looks, there is a small group of people who will do amazing things. When starting a project, find these people and partner with them.
 - o Access to entry must be really low. Can't focus on a killer application that will exclude mass participation.
- * iEARN <http://www.iearn.org/> is a model to look at
 - o 5,000 schools around the world. 1,000 schools in USA.
 - o Completely decentralized grass roots level driven.
 - o Almost all efforts are locally focused.
 - o Conferences are for sharing what works and what doesn't work. All sessions are about the projects going on.
- * NEXT STEPS:
 - o Follow up meeting Tuesday October 14, 2003, 4:00 PM in the Indiana Ballroom

Steve Corbato from Internet2

- * Infrastructure update
 - o Abilene Network
 - + Currently 30 SEGP networks
 - + Observatory: consists of 2 components; make data available to the network and provide others with a platform to support network research.
 - o Fiber Co.
 - + Purchasing dark fiber
 - o Internet2 NLR
 - + NLR = National Lambda Rail
 - + opportunity for higher ed to exploit the contrarian idea of purchasing dark fiber for later use.
 - o Engineering
 - + when start getting up to the packet transport speeds of Abilene, TCP starts to shut down. Research is focusing on pushing and enabling TCP at high bandwidth
 - + Supporting a new initiative that will help higher education institutions in Montana, NDakota, Wyoming, Idaho, etc. develop advanced network efforts.
 - o One reason Steve is interested in the K20 Initiative is as a testbed for middleware.
 - o Are SEGPs impacting Internet2 traffic reports?
 - + It is increasing the overall traffic on Internet2 by about 10%
- * NEXT STEPS: Invite Steve back for another talk at the Spring MM. He only had about 5 minutes this time.

Agenda items not covered during this meeting

- * A call for Video Conferencing Best Practices in K-20 classrooms (Michael Abbiatti)
- * Quilt update
- * Action steps for rolling out myK20
- * Calendar for future Advisory Committee meetings

Please send additions or corrections to the meeting notes to lfox@internet2.edu