The basic idea:

- Put a camera in every congressional hearing, the White House Briefing room, and other locations in "official" DC.
- Stream the data live out to the net.
- Create a permanent archive accessible on the net.
- Allow anybody to annotate the events.
Center for American Progress

501(c)(3) Think Tank in Washington, D.C.

Our Role

Project Incubator

Why?

Promote transparency and citizen participation in government.

We wish the service existed already and intend to be heavy users.
How Broadcast Works Today

‣ Join the club (get credentials).

‣ Bring cameras into event.

‣ In Congress, transmit video to hub room.

‣ Use Verizon’s “AVOC” to broadcast control room.
Cameras in Hearing Rooms

- Congress, White House, State, Pentagon, and all other briefing rooms are wired.
- Fiber optic links to Verizon’s “Audio Visual Operations Center” (AVOC)
- Specialized video-over-fiber standard (SMPTE-259)
- Credentials are available to qualified press organizations.
  - Committee of journalists use the Potter Stewart test for determining who qualifies.
EyeSpan Model

- Turn Video-Over-Fiber into 50 MBPS MPEG-2 Streams.
- Move streams to key colocation facilities.
- Make available to public, research, and private providers on multicast and unicast infrastructure.
- Additional processing.
  - Transcode, Cache, Stream.
  - Archive.
  - Annotate.
The NET

BAR
STREAMS
SWITCH
OC48
ROUTER
TRANSCODE
Stream events to Internet

Internet2, run by U.S. universities, has sufficient capacity to stream high-def video straight onto the net.

Residential broadband users and even dial-up users will also be able to access this data.

Internet2 Backbone

http://www.abilene.iu.edu/
Create Permanent Archive

- Disk is getting cheaper.
- Projections of $0.30/gigabyte soon.
- Petabyte-scale systems now practical.
- Provide long-term archives and constant availability through replication.

Federal Document Depository
- Over 1,250 libraries.
- Program should be expanded to include massive video archives.
Allow Anybody to Annotate

‣ Anybody on the net should be able to annotate any hearing, either live or after the fact.

‣ Using instant messaging, this is not hard to get off the ground quickly.

‣ Full audio and video annotation is the next step: pick your favorite commentator(s) for an event.

‣ Annotation ranges from transcription to chat to full-blown TV production values.
Institutional Structure

- Business Model
- Governance
- Staffing
- Relationship to CAP
- Long-term game plan
Governance

- Independent, well-qualified Advisory board.
- Neutrality is key to “real media” status.
- Also key for industry partnerships.
- Goal of service is maximum dispersion of data with no IP or use restrictions.
Staffing

- Staffing estimate of 2 Full-time staff.
- Heavy use of distinguished volunteers.
- Heavy leverage from educational partnerships, open source participation.
Relationship To CAP

Project Incubator

- Our mission is to produce “transformative new ideas.”

- Transparency and citizen participation in our system of government are fundamental American values.

Heavy User

- This will be an extremely useful facility as we work across a large number of issues the Center is active in.

- We wished the service existed already, so we decided to create it.
Long-Term Game Plan

- **EyeSpan.TV/DC**
  - Eventually, GPO and Library of Congress should be in this business.
  - Goal is to work ourselves out of the DC business within 5-7 years.
  - This model can easily be replicated.

- **EyeSpan.TV/London**

- **EyeSpan.TV/Indianapolis**

- **Our long-term job is to teach others how to produce, use, interact with, and influence public proceedings.**
Supporting Materials

‣ Pro-Forma Budget
## Pro Forma Cash Budget ($3.5m/5 Years)

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<td>CAP Buildout</td>
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<td>Overhead (20%)</td>
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