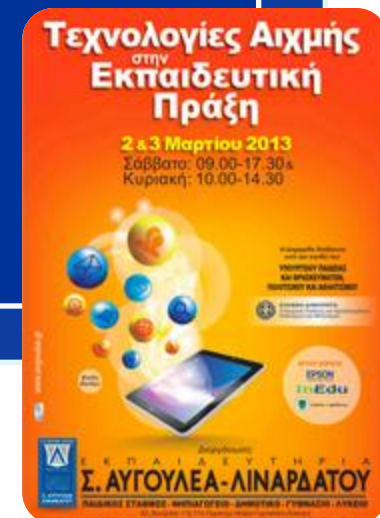
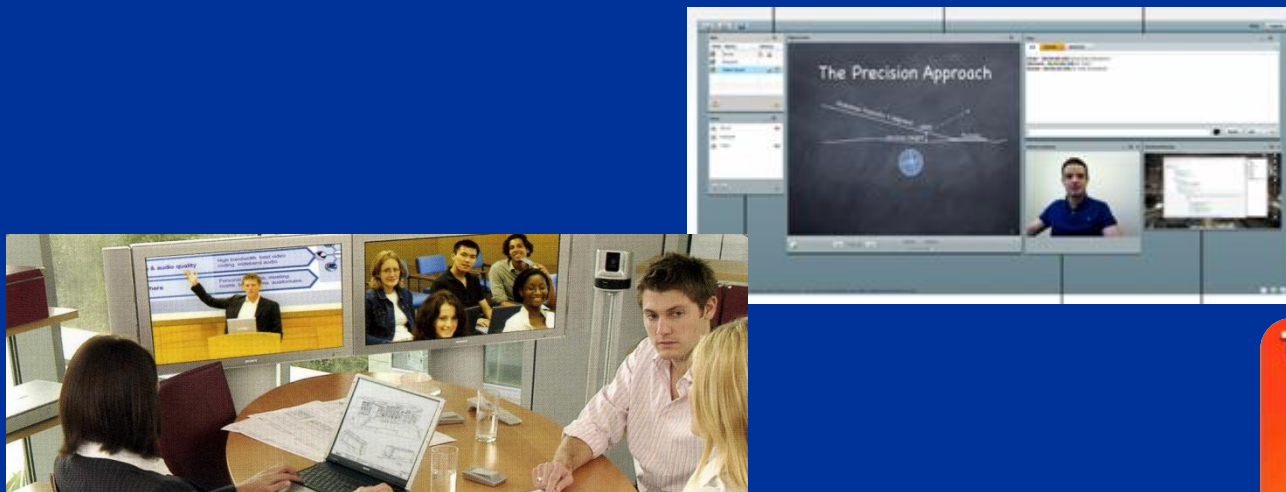


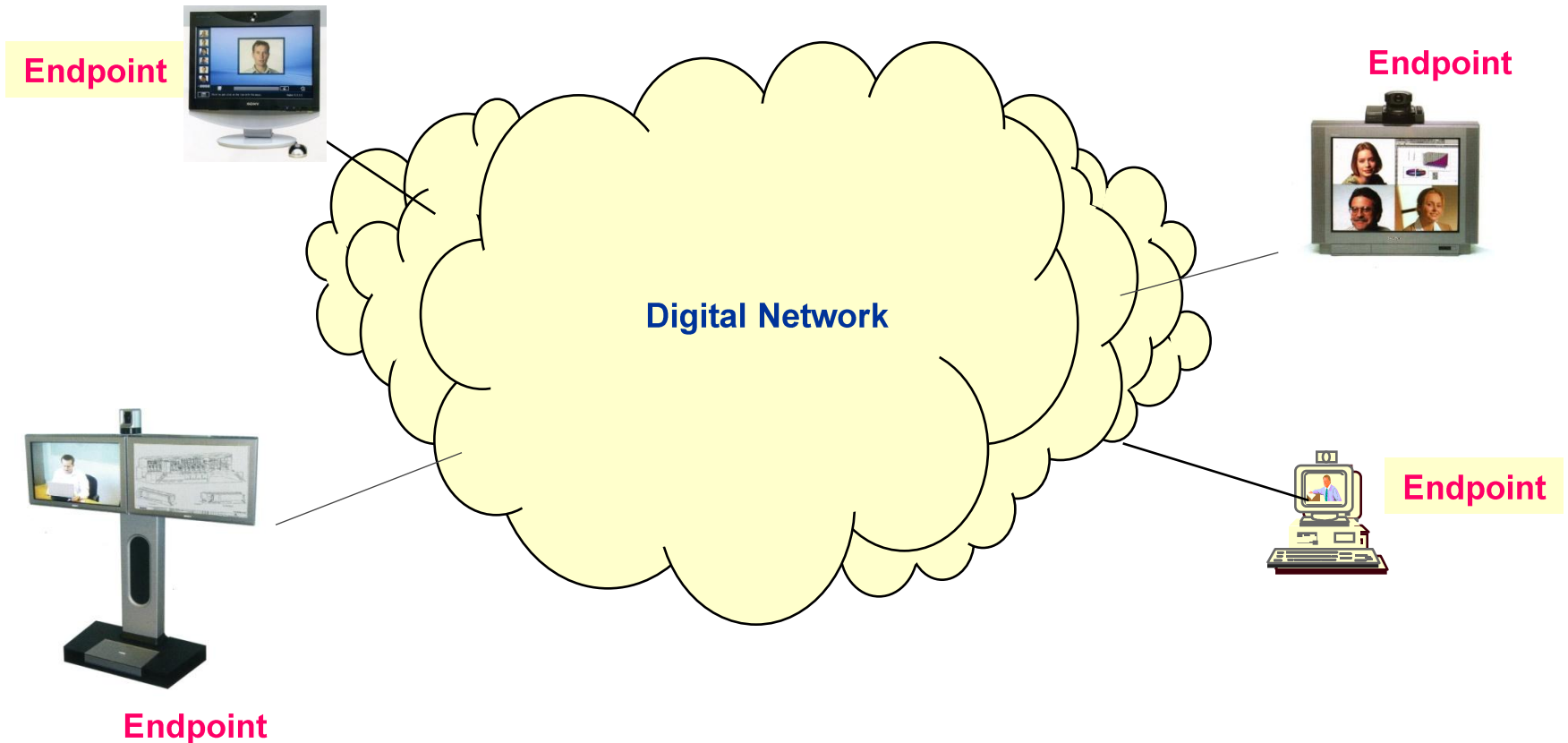
Ελεύθερο Λογισμικό για Τηλεκπαίδευση μέσω Διαδικτύου

Web-conferencing : BigBlueButton



Videoconference

Είναι η αμφίδρομη επικοινωνία με **video/audio/data** μεταξύ δύο ή περισσότερων απομακρυσμένων σημείων σε πραγματικό χρόνο μέσω ψηφιακών δικτύων



Ολοκληρωμένα συστήματα Videoconference H.320/H.323



Εφαρμογές Videoconference

Τηλε-εργασία

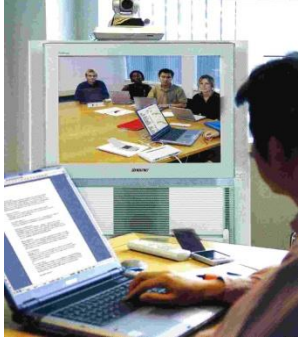


Τηλε-εκπαίδευση

**Ψηφιακό Δίκτυο
Επικοινωνίας**

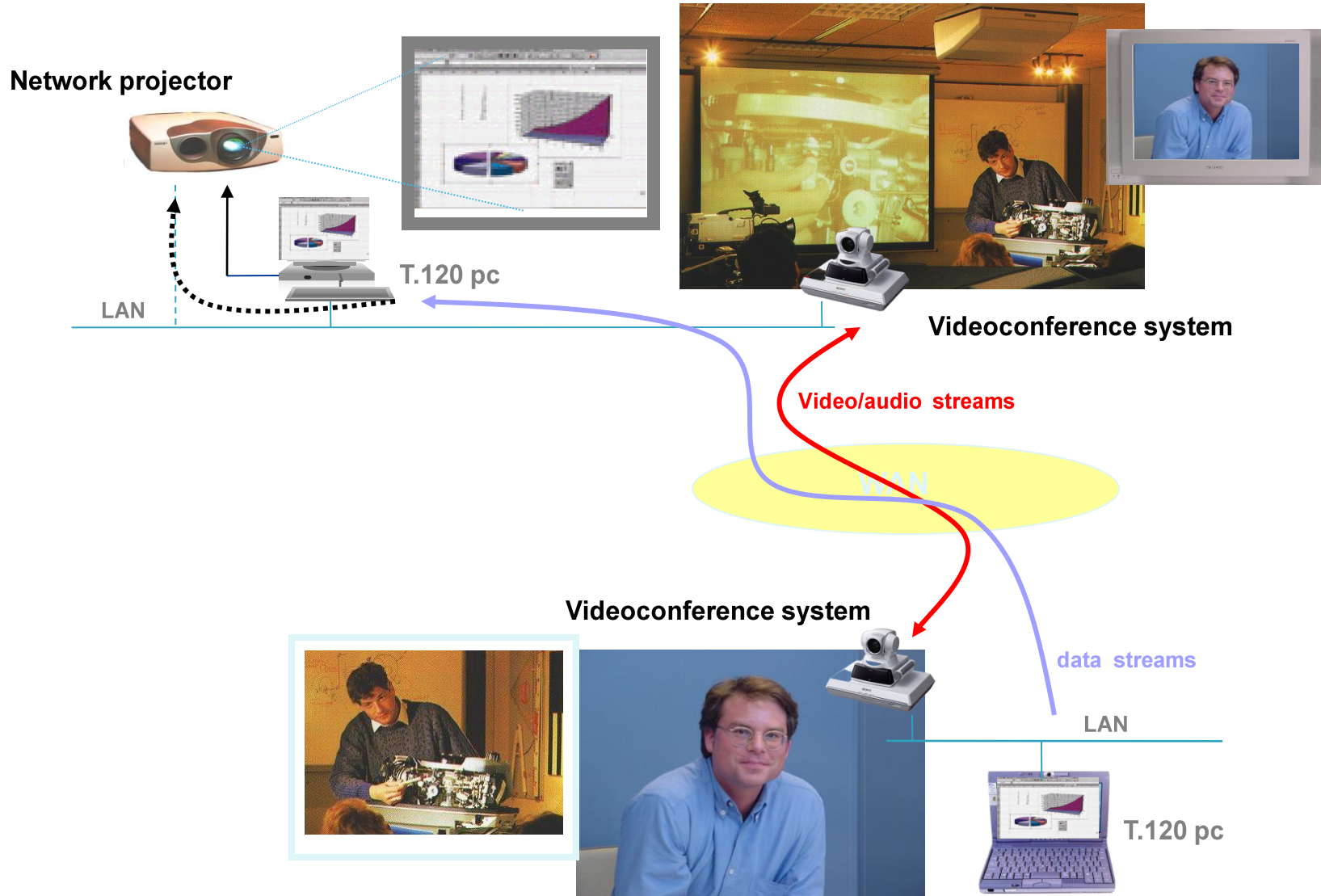


Προσωπικές Επικοινωνίες



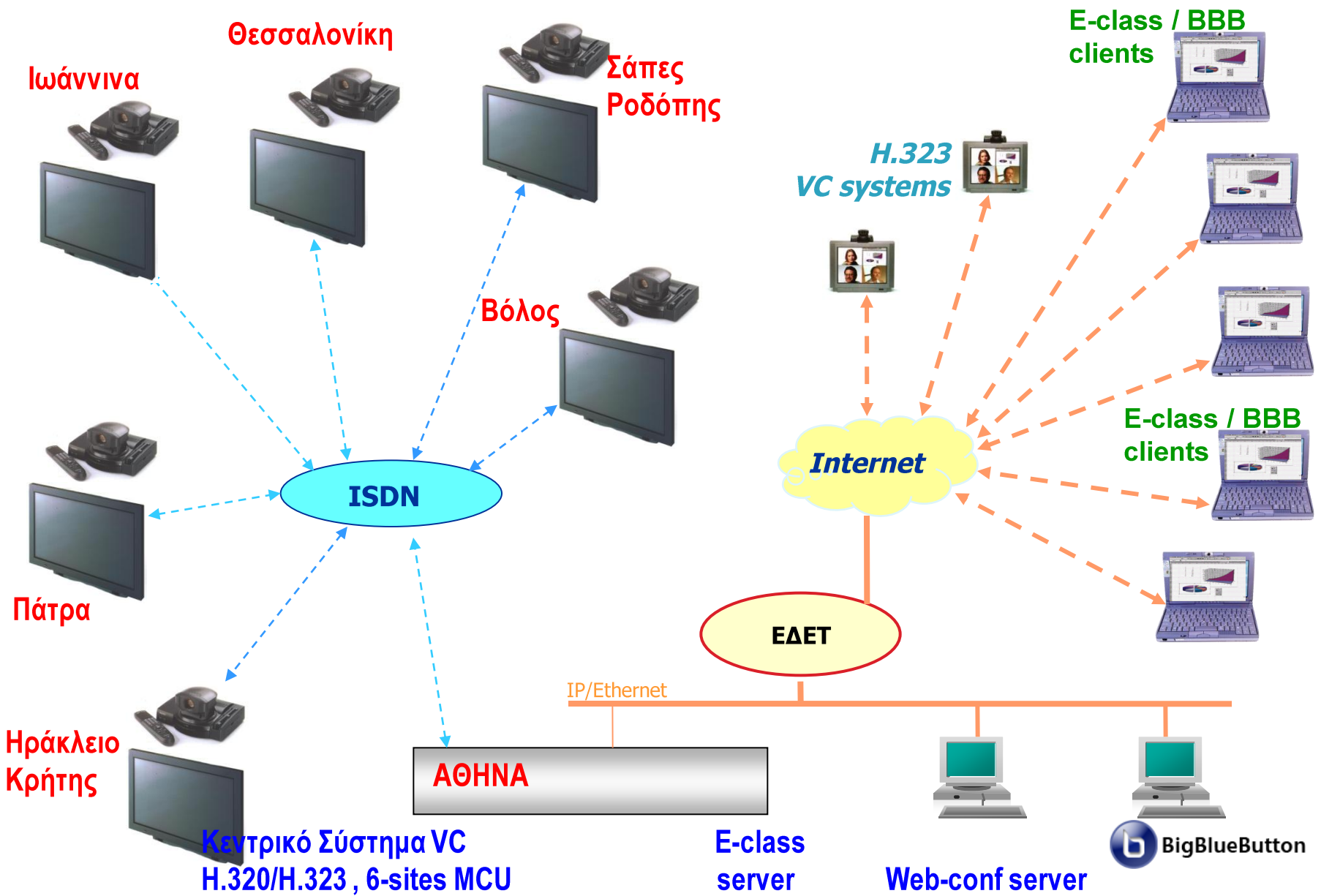
Τηλε-Ιατρική

Συστήματα Videoconference για Τηλεκπαίδευση





Δομή Υπηρεσιών Τηλεεκπαίδευσης ΑΣΠΑΙΤΕ



Τι είναι το Big Blue Button;

- ▶ Έργο ανοιχτού κώδικα
- ▶ Πλατφόρμα σύγχρονης τηλεκπαίδευσης
- ▶ Υλοποιημένο με 14+ εφαρμογές ανοιχτού κώδικα (Ubuntu, nginx, Red5, Mysql)
- ▶ Διαμοιρασμός παρουσιάσεων, κάμερας, ήχου, κειμένου, επιφάνειας εργασίας, Πίνακα σχεδίασης (Whiteboard)
- ▶ Σχεδιασμένο για τις ανάγκες των Τριτοβάθμιων ιδρυμάτων

Περιβάλλον εργασίας

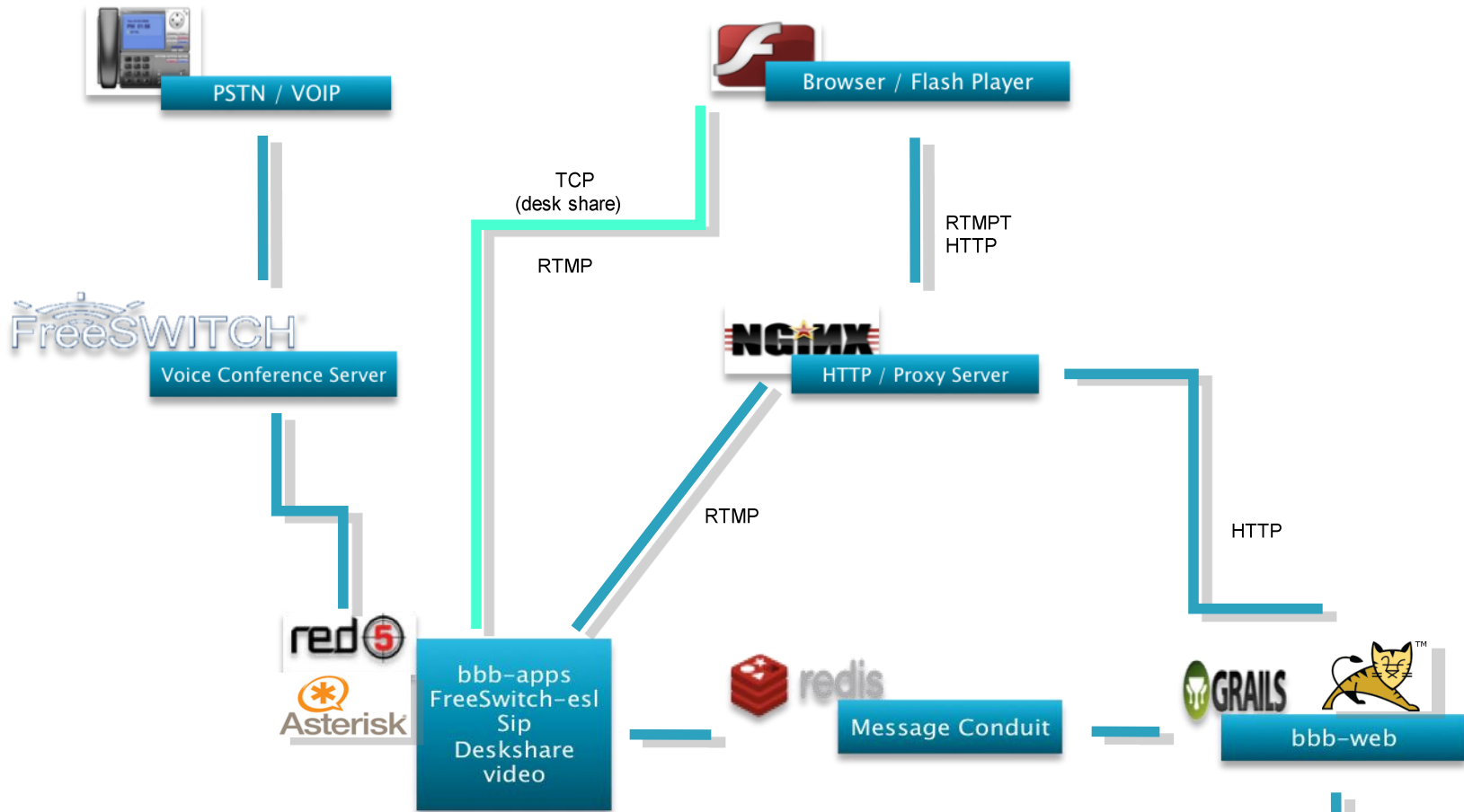
The image shows a screenshot of a web-based collaborative workspace interface. The interface is divided into several sections:

- Top Bar:** Contains three main navigation buttons: "Συμμετέχοντες" (Participants), "Παρουσίαση" (Presentation), and "Γραπτή επικοινωνία" (Written Communication).
- Left Panel:** Includes a "Web" section with a table of participants (Denis, Richard, Tyler) and a "Voice" section with audio controls for each participant.
- Center:** A large presentation window titled "The Precision Approach" showing a diagram of a runway with labels: "Glide slope (typically 3 degrees)", "MAP", "Decision height", and "Runway".
- Right Panel:** Includes a "Chat" window with messages from Tyler, Richard, and Denis, and a "Desktop Sharing" window showing a remote desktop view.
- Bottom:** A video window showing a participant (Tyler) and a "Συμμετέχοντες με ήχο" (Participants with audio) section.

Labels at the bottom of the interface identify key components:

- "Συμμετέχοντες με ήχο" (Participants with audio) - points to the audio controls in the left panel.
- "κάμερα" (camera) - points to the video window.
- "Επιφάνεια εργασίας" (Desktop) - points to the desktop sharing window.

Αρχιτεκτονική BBB



Ρόλοι χρηστών

- ▶ Παρατηρητής
 - Συμμετοχή στη συζήτηση
 - Ανάγνωση παρουσίασης
 - Γραπτή συζήτηση με άλλους χρήστες
- ▶ Εισηγητής
 - Παρατηρητής
 - Ανέβασμα/Διαχείριση παρουσίασης
 - Διαμοιρασμός επιφάνειας εργασίας
 - Χρήση Πίνακα σχεδίασης
- ▶ Διαχειριστής

Δυνατότητα διασύνδεσης (Integration)



WordPress



Joomla



Sakai



Tiki Wiki CMS



Drupal



Moodle



eFront



RedMine



Foswiki



Atutor



Fedena

Παρουσίαση/Πίνακας σχεδίασης

Georgalas_Thanasis_RMII_p

CVIS Evaluation in field trial of Greece

Georgalas Thanasis


- Tools

Quantitative:

- Statistics on reaction time, accuracy, speed

Qualitative:

- Driver Interviews
- Video recordings
- Field notes



100% 400%

4/6

*Δοκιμή Πίνακα Σχεδίασης



Συμμετέχοντες

The screenshot displays a video conferencing interface with three main panels on the left and a chat window on the right.

Users Panel: A table listing participants with columns for Role, Name, and Status.

Role	Name	Status
	Αθανάσιος-Αντώνιος Γεωργιάδης	
	Νίκος Κουτσούκης	
	Σταυρούλα Κυριάκου	

Buttons: **Switch Presenter** (with hand icon)

Listeners Panel: Lists participants with mute and video icons.

- Αθανάσιος-Αντώνιος Γεωργιάδης
- Νίκος Κουτσούκης
- Σταυρούλα Κυριάκου

Buttons: **Unmute**, **Mute All**

Video dock: Shows two video thumbnails.

- Αθανάσιος-Αντώνιος Γεωργιάδης:
- Νίκος I:

Chat Panel: Shows a chat window with a selected user "Σταυρούλα Κυριάκου".

Buttons: **All**, **Σταυρούλα Κυριάκου**, **+**

Text: **Select a person to chat with privately**, **Chat Options**

Font Size: **10** (dropdown menu)

Text in chat: All, Σταυρούλα Κυριάκου, Νίκος Κουτσούκης

Buttons: **Send**

Άλλες δυνατότητες



«Χέρι»



Δημόσια & προσωπική επικοινωνία



Αυτόματη μετατροπή αρχείων (doc, ppt) σε

PDF



Επιλογή/Αλλαγή εισηγητή



την επιφάνεια εργασίας



List of participants

Felipe Cecagno

Android (you)

Alessandra

Leonardo

Valter

List of listeners

Valter

Public chat

Lock speak

Tap to speak



Εγγραφή και Αναπαραγωγή



Welcome to  BigBlueButton

If it's your first time using this software, we recommend you to watch the following videos.



Teacher Overview



Student Overview

Teacher (moderator):

- ✓ You can mute/unmute anyone by clicking their microphone icon.
- ✓ You can lock a student's audio (they can't unmute/mute).
- ✓ You can mute all/unmute all (does not change those locked).



Student:

- ✓ You can mute/unmute yourself.
- You should mute yourself during the lecture to minimize background noise.



Recorded with BigBlueButton.

Course	Description	Date Recorded	Published	Playback	Length
English 101	ccxc	24-02-2013 12:04:05	true	slides	1
English 101	test2	19-02-2013 23:17:04	true	slides	2
English 110	test #4	15-02-2013 03:40:13	true	slides	9
English 101	UTS TK	28-02-2013 16:38:48	true	slides	4
English 101	newtest	14-02-2013 01:45:05	true	slides	13
English 101	Test Mix 2	13-02-2013 13:40:34	true	slides	2
English 101	test	16-02-2013 12:55:06	true	slides	1

Αθανάσιος-Αντώνιος Γεωργιάδης: Γειά σας

opencast is...

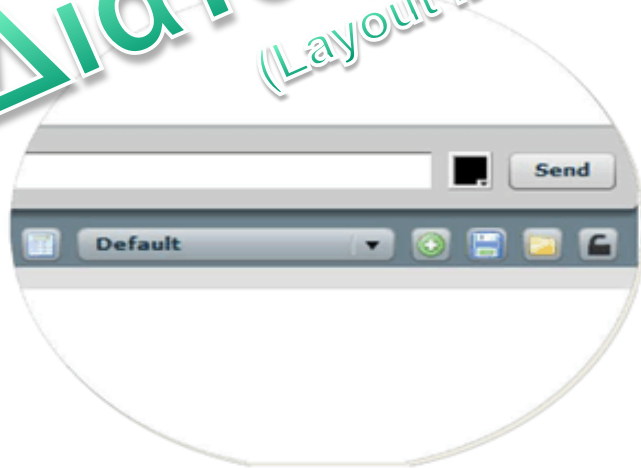
- ...is an initiative driven by higher education institutions to empower...
- ...institutions to make informed choices about capture, processing, and distribution infrastructure for audio/video...
- ...faculty to teach courses and share knowledge with their students and learners worldwide...
- ...students to access and shape media into a more meaningful tool for learning...
- ...everyone to easily find and engage with educational video, audio, and other rich media...

About BigBlueButton

- BigBlueButton is an **open source web conferencing for distance education**
- **3+ Years** of development
- **900+** members on developer mailing list
- Active community: **11k+** messages
- **Google Summer of Code 2010**
- **9 Releases**
- Install in **15 minutes** (or your money back!)

Στο κοντινό Μέλλον! (BBB 0.81)

Διατάξεις!
(Layout Manager)



Σύνδεσμοι

- ▶ <http://www.bigbluebutton.org>
- ▶ <http://code.google.com/p/bigbluebutton/>
- ▶ <http://moodle.gethanos.com/course/view.php?id=23>
- ▶ <http://mconf.org/>
- ▶ <http://opencast.org/matterhorn/>



The image shows a screenshot of the BigBlueButton website homepage. At the top, there is a navigation bar with the BigBlueButton logo and the text "BigBlueButton" on the left, and links for "Home", "Overview", "Videos", "Support", "Demo", "Blog", and "Open Source" on the right. Below the navigation bar, the main content area features the heading "Built For Higher Education" in a large, bold font. Underneath this heading, a paragraph of text reads: "BigBlueButton enables universities and colleges to deliver a high-quality learning experience to remote students". At the bottom of this section, there are two buttons: "Try Out" and "Learn More" with a right-pointing arrow. To the right of the text, there is a screenshot of a BigBlueButton virtual classroom interface. The interface shows a central video feed of a presenter, a shared whiteboard with a diagram titled "The Precision Approach", and a sidebar with a list of participants. A red banner in the top right corner of the screenshot indicates "v 0.84".



Ευχαριστώ !