

"Gone with the Video"

Integration of a Videoconferencing System into uPortal

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Agenda

- Seevogh : brief presentation
 - Seevogh International
 - Seevogh Campus
- Gone with uPortal
- The start
- Next



Face to face interaction

- Personal videoconferencing now available from PC:
 - Skype, Adobe Connect....
- Why new tools ?
 - Standards: H323, SIP... mean not only personal interchange but also possibilities to link to real rooms
 - Bandwidth occupation and optimization of interchanges
 - Quality : HD, robustness, security
 - Functionalities: digital board, multiple cameras...
 - Cost: business model



Seevogh

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Why Seevogh ?

Most difficulties arise from:

1) The client:

- Installation
- Configuration problems
- Use
- Compatibility with different OS

2. Interruptions and/or traffic congestions in the network

- Real time collaboration environment evolving all the time
- Hardware, domains and nodes regulated by different technical and administrative authorities



The basis: Seevogh International

- A unique real time collaboration tool, stable and efficient, at worldwide scale.
 - Three main components
 1. The network
 2. The collaboration services
 3. The client side



Solution ?

- A live infrastructure adapting in real time to permanently adapt the user environment without trouble
- Based on the latest development of grid computing
- Components with personal intelligence and autonomy:
 - Kangaroo: redundant administration of data bases
 - Panda: connect components and distribute the load
 - Koala: the user component on his/her machine



Functionnalités

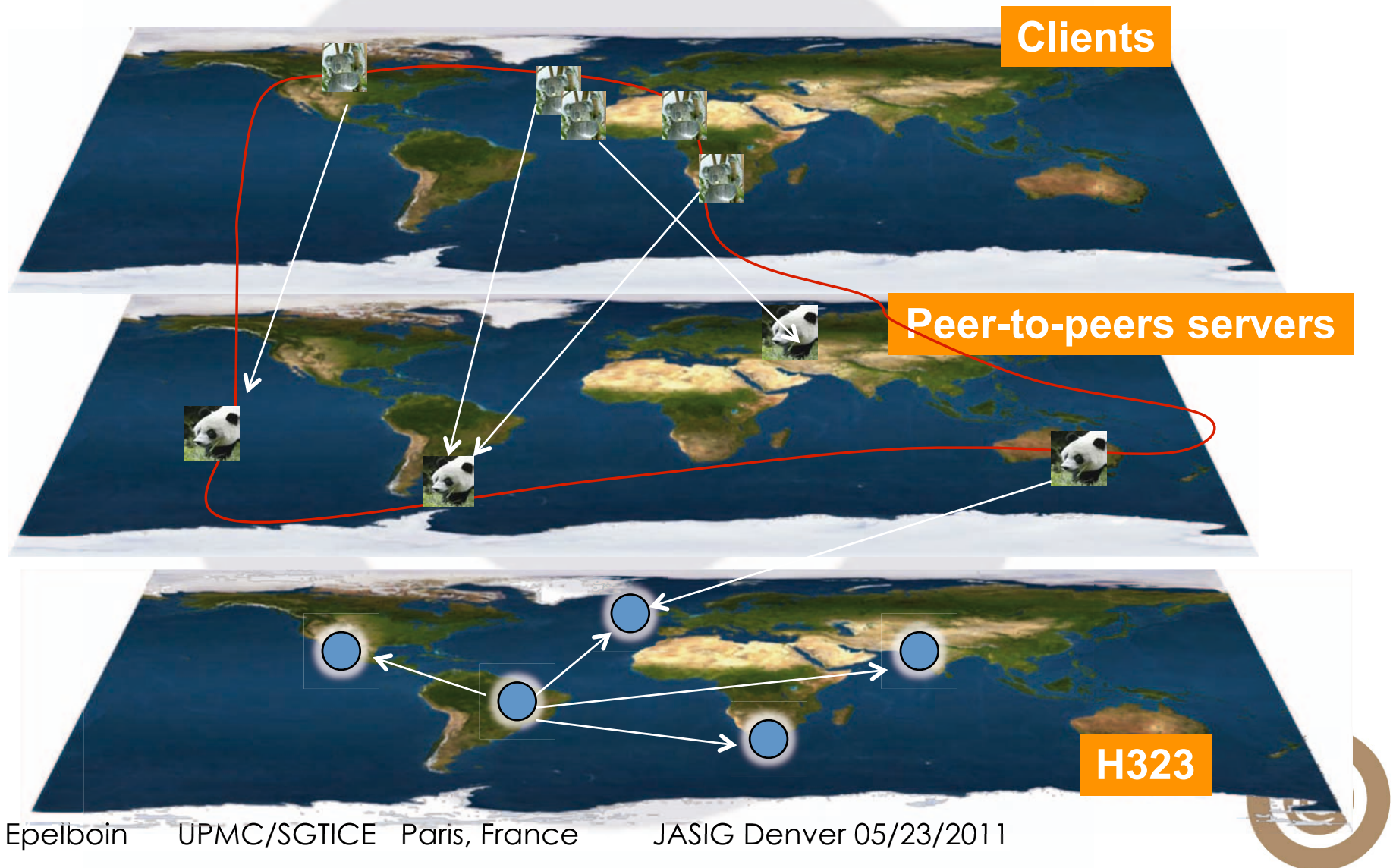
- Pure software solution (+90% Java)
- Compatible with:
 - Windows since XP
 - MacOS X
 - Linux
- No installation on client side: applet download
- Multiple languages
- Video-conferencing standards compatible
- Phone gateways



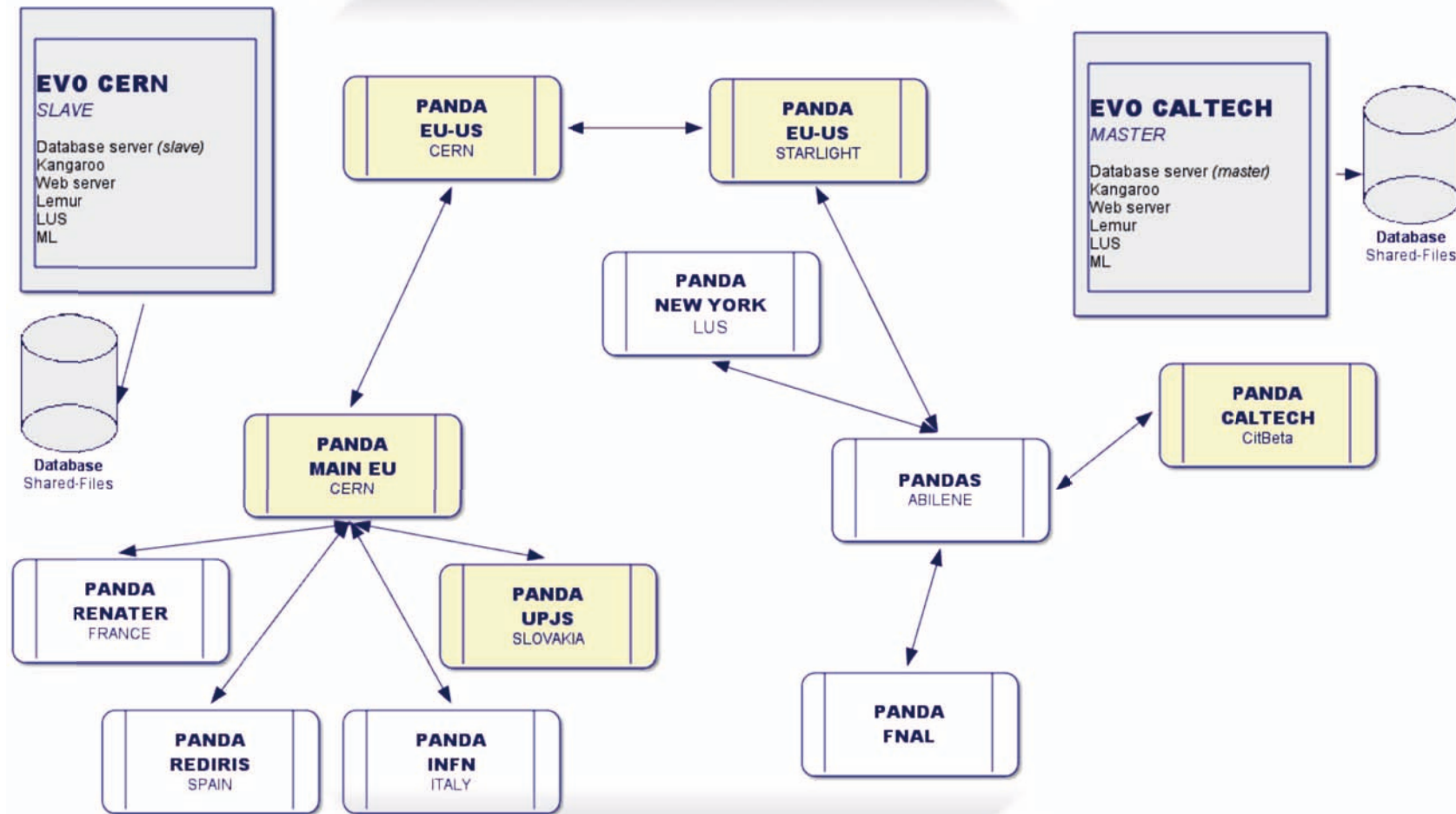
Panda: the EVO server



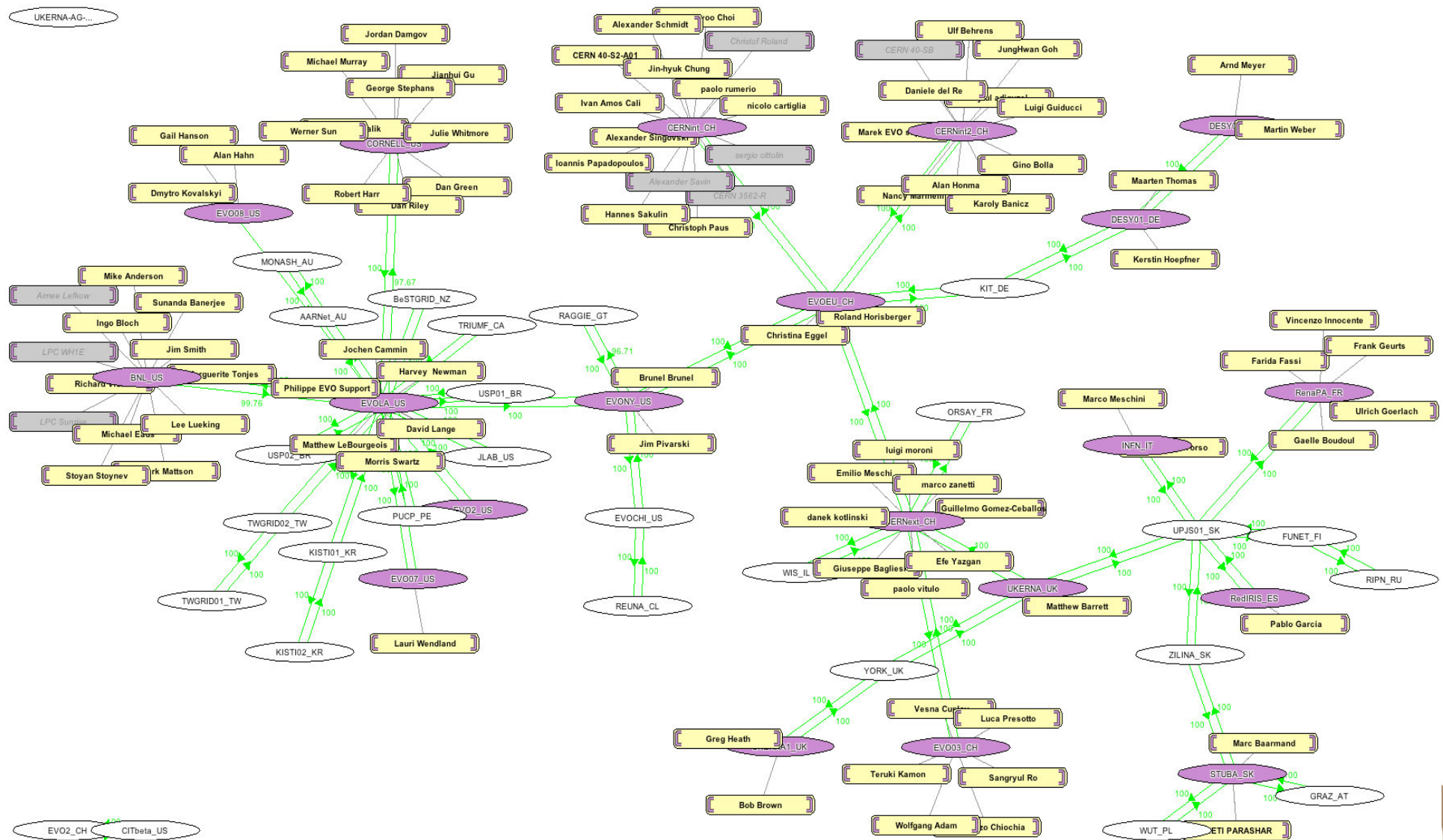
EVO architecture



World topology



Mona Lisa Client



Y. Epelboin

UPMC/SGTICE Paris, France

JASIG Denver 05/23/2011



NO LIMIT!!

No limits in the number of participants in a meeting!
No limits in the number of simultaneous meetings!

Examples:

- 1250 users for the « LHC Start » in September 2008.
- 198 users participating in the « All CMS Meeting » in February 2009.

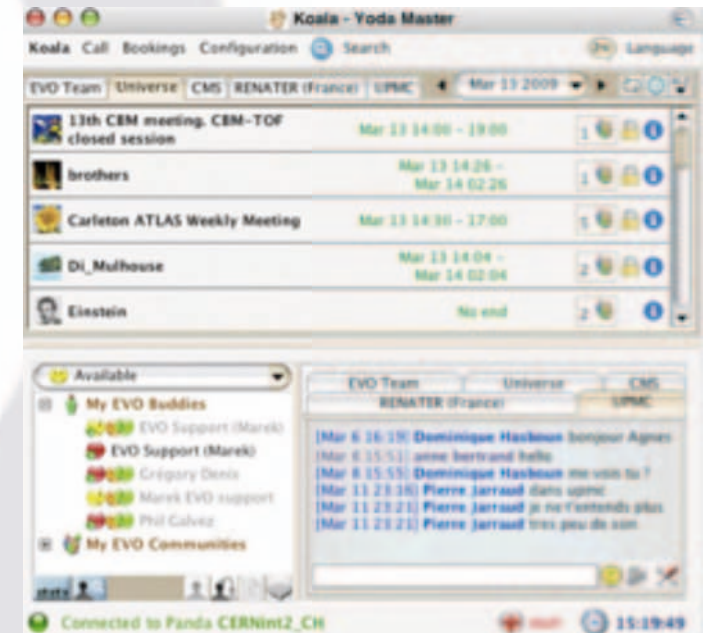


Koala: the application client



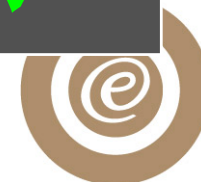
The client: the burden

- Full Java application
- Compatible with any platform (Windows, MacOS, Linux)
- No installation, no update
 - Multiple cameras:
 - Paperboard, object presentation
 - Digital board...
 - Screen sharing
 - File exchange
 - White board



Comparizon

	H.323/ SIP	Tel.	File sharing	Chat	Record	Multipoint video	Webcast	Multi platform
Alcatel My Teamwork	✗	✓	✗	✓	✓	✗	✗	✗
Adobe Connect	✓	✓	✓	✓	✓	8	✗	✓
Vidyo	✓	✓	✗	✗	✗	✓	✓	✗
EVO	✓	✓	✓	✓	✓	✓	✓	✓
WebEx	✓	✓	✓	✓	✓	6	✓	✓
Skype	✗	✓	✗	✓	✗	3	✗	✓



Seevogh Campus

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Goals: Seevogh Campus

- System to provide a real time distance learning platform
- Real Time media : Text, Audio, Video, Desktop, Whiteboard, Files, Recordings.
- The system is based on the Seevogh technologies
- It is adapted to the constraints linked to learning scenarios : Professor / Students



Specific Features

- New meeting type:

Class Room

- 2 specific user types:
Professor and student
- For each user type:
 - Different Abilities
 - Different Graphical User Interfaces



Professor (1)



- from the Portal
 - Create a class room reservation and attach some students to it
 - Modify, Duplicate, Cancel a class room
 - Add a moderator to the class room
 - Protect a class room via a password
 - Join any ongoing class room



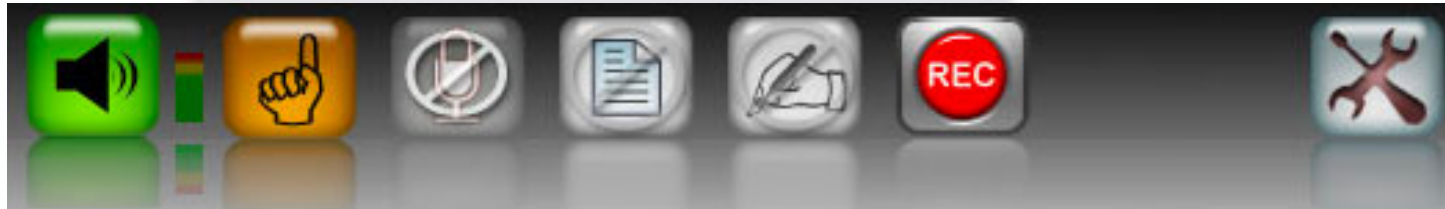
Professor (2)



- The virtual classroom
 - The class room
 - Send / receive: audio / video
 - Broadcast the desktop
 - Send files to students
 - Allow a student to speak via a dedicated “Raising Hand” widget
 - Ban a student from the class room
 - Increase the class room duration



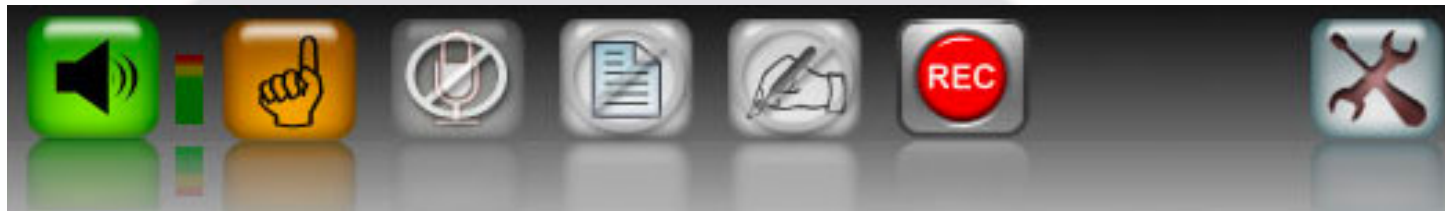
Student (1)



- From the portal
 - Ongoing Class rooms (can be joined)
 - Public classes (with no list of attendees)
 - Classes in which he/she is attached to (previously by the professor)
 - Calendar
 - List of all the class rooms that he/she will be able to join per month
 - Calendar view (cells) of the class per month



Student (2)



- In the classroom
 - Receive: audio / video
 - Receive professor desktop
 - Access to files
 - Interactive Chat
 - Can raise hand, when request is accepted:
 - Send audio, video, desktop to the class room
 - Send file to the professor



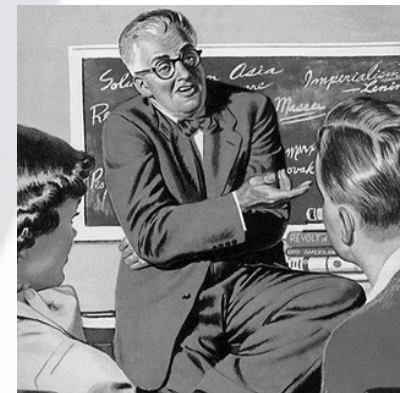
Digital Raising Hand



A simple interface to require to speak

Students

A simple widget to moderate a class



Request to Speak



Students



Widget for the Professor



The student can cancel his/her request at any time via a click on the same button



Allow / Deny Request

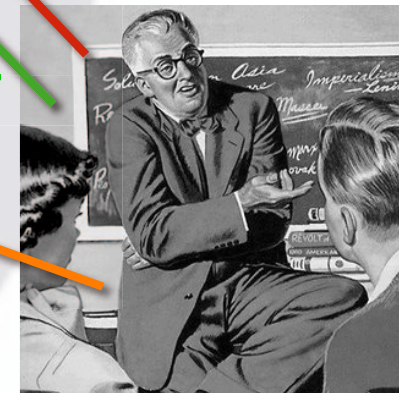


Block any Raising Hand

Refuse

Accept

A powerful widget to manage the requests



Gone with uPortal

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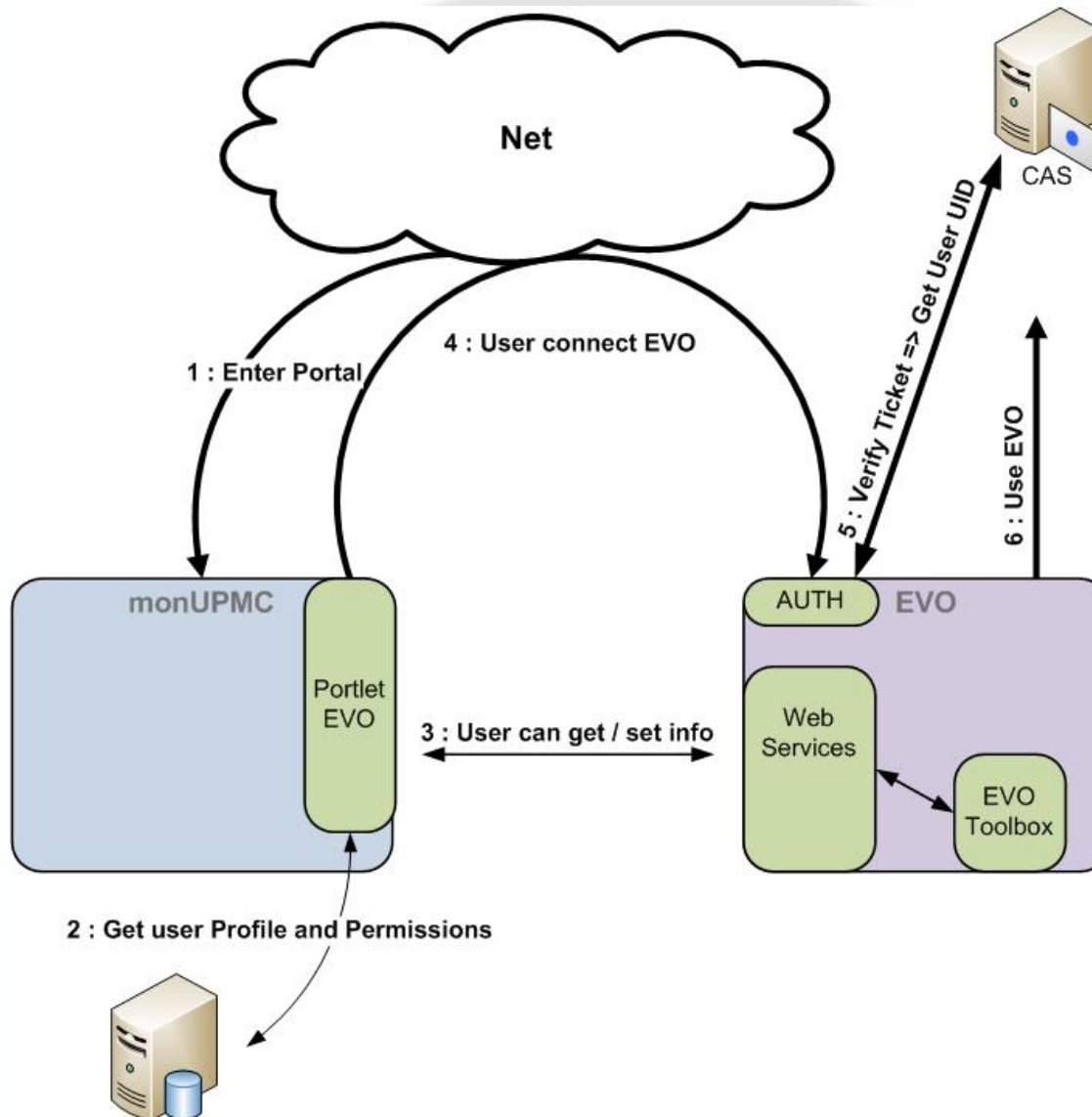
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Goals: integration

- Use the portal authentication system to identify the participant into Seevogh International and Seevogh Campus
 - Automatic registration into EVO from the university directory
- Forward the user information from the portal to the EVO learning system:
 - Full ID and role
- Retrieve EVO information into the portal:
 - Class and meeting management



Working with uPortal



Advantages

- Avoid management of the user registration.
- Manage, Control of the lawful users
- No additional Authentication required to join a virtual class.
- The web interface modules (portlets) are open source
- Both Evo portlets are compatible with uPortal, v 3.2.
- Authentication via Portal in CAS.
A Shibboleth version will come soon
- User information retrieved via local LDAP



Seevogh International

monUPMC Grégory DENIS Intranet Aide Plan Options Se déconnecter

Mes outils Mes actualités Mes documents Mes outils de communication Ma bibliothèque Mon profil **EvoLearning** Ma Visio

EvoLearning

eVO Learning
Ce service a été mis en place avec l'aide de la ville de Paris dans le cadre de l'UNR Paris IdF

Classes en cours **Calendrier** Gérer mes classes virtuelles

Classes virtuelles du mois : [mars 2010](#) << **avril 2010** >> [mai 2010](#)


[Afficher sous forme de liste](#)




	DIMANCHE	LUNDI	MARDI	MERCREDI	JEUDI	VENDREDI	SAMEDI
Semaine 13					1 = 11:00 Detection de type d'utilisateur = 11:03 Pour étudiants 2 = 11:07 Sans toi 2	2	3
Semaine 14	4	5	6 = 11:00 Greg la cloche de Paques! = 15:00 blabla = 15:00 Essai corrections horaires... = 16:00 test	7	8 = 16:00 prochain cours	9 = 10:00 classe publique du jour = 12:00 PIPO	10
Semaine 15	11	12 = 14:00 classe a venir = 15:00 Démonstration = 15:50 TipTop	13 = 10:00 Avec étudiant 3 = 17:00 classe journaliere	14 = 09:40 My first try = 10:16 Refused Moderation = 15:15 test mic	15 = 09:35 1 2 3 = 14:00 hebdo ven/sam (avec étudiant)	16 = 08:00 hebdo ven/sam	17 = 08:00 hebdo ven/sam



Seevogh International

































EvoPortlet

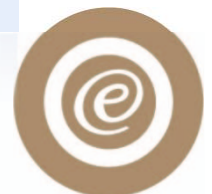
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Réervations en cours Gérer mes réservations

En ce moment :

Intitulé	Type	Accès	Communauté	Descriptif	Date de fin	Joindre
 Présentation Plénière			UPMC	pour prototype Evo-Learning		
 UPMC TV			UPMC	Télévision 24h/24h pour tester sa réception audio et vidéo		
 E5 Group Meeting			Universe	E5 Group Meeting	lun. 31 mai 10 12:00	
 Einstein			Universe	EPPOG Masterclasses		
 EVO TV			Universe	Television 24/24 to test receiving audio and video		
 HadSpecTUM			Universe	Hadron Spectroscopy	lun. 31 mai 10 12:00	
 IF AE ATLAS MEETING			Universe	IFAE ATLAS MEETING	lun. 31 mai 10 13:00	
 jets			Universe	Discussion on jet studies	lun. 31 mai 10 12:00	
 LivreLHC			Universe	Livre LHC	lun. 31 mai 10 11:00	



Seevogh Campus


MONUPMC Yves EPELBOIN Aide Plan Options Se déconnecter

Mes actualités Mes documents Mes outils Mon profil Test ePartage EVO international EVO Learning

Entretien d'évaluation Mes outils de communication Ma scolarité Ma bibliothèque test CIL

EvoLearning



EvoLearning

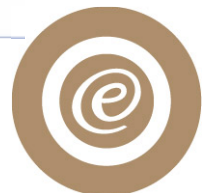
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? ☎️ 🧸

Classes en cours Calendrier Gérer mes classes virtuelles

En ce moment :

Intitulé	Descriptif	Enseignant	▲ Début	Fin	Joindre
 Café	Envie de faire un test ou discuter? C'est le bon endroit!	Grégory DENIS			



Seevogh Campus



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Classes en cours




Calendrier

Gérer mes classes virtuelles

Classes virtuelles du mois :

avril 2011 << **mai 2011** >> juin 2011

[Afficher sous forme de calendrier](#)

Intitulé	Descriptif	Enseignant	▲ Date	Début	Fin
 Café	Envie de faire un test ou discuter ? C'est le bon endroit!	Grégory DENIS			
 Hotline EVO	Hotline en direct sur EVO International : Tous les jeudi de 14h à 16h, accédez à la hotline en direct sur EVO International ! Pour y accéder : Si vous l'avez déjà ouverte, fermez l'application de EVO Learning et dans monUPMC cliquez sur l'onglet EVO International ! A tout de suite ;-)	Caroline PERS	jeu. 05 mai	10:30	17:00
 AURIF	démo AURIF	Yves EPELBOIN	mar. 10 mai	15:02	17:00
	Hotline en direct sur EVO International : Tous les jeudi de 14h à 16h, accédez				



An aerial photograph of Paris, France, showing a dense urban landscape with numerous buildings and rooftops. In the center, a tall, thin, green monument with a golden statue on top stands out. The Eiffel Tower is visible in the far background, partially obscured by haze. The text "The start" is overlaid in a large, bold, black font.

The start

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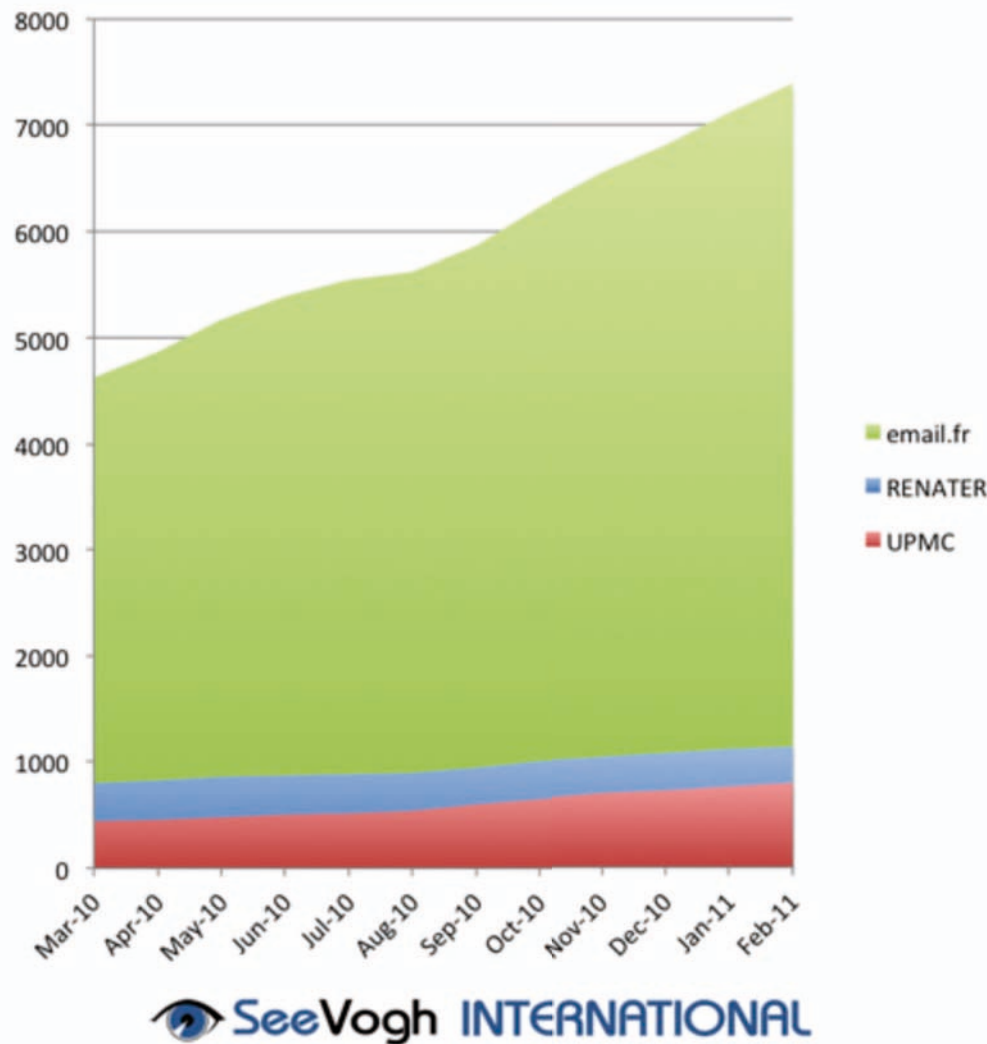
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Seevogh International

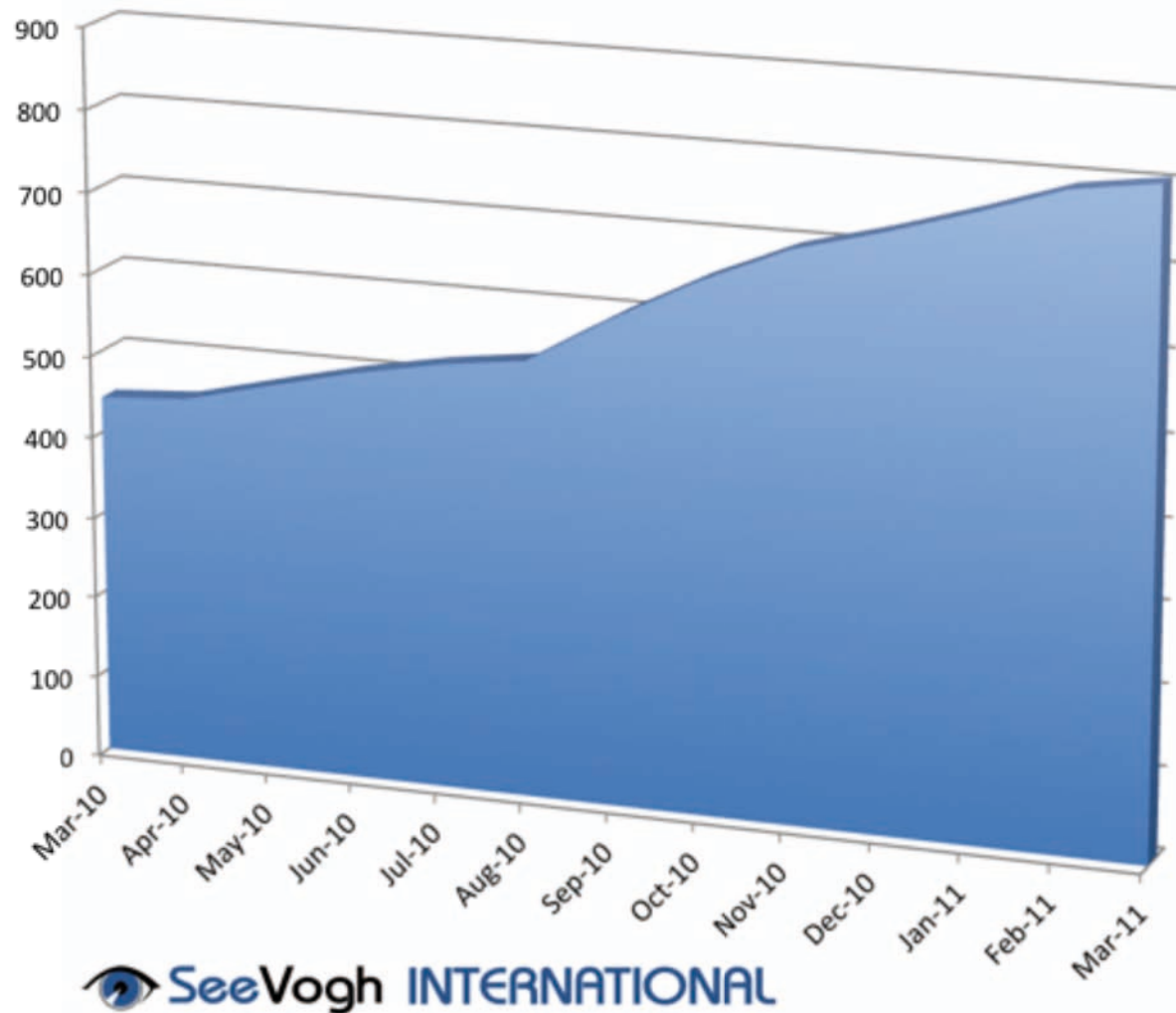
- Opened since September 2009
- More than 800 users, today, in the UPMC community
- The largest French community
- Use for virtual meetings as well as link to “real” videoconference rooms
- Part of the UPMC strategy: increase in the number of rooms as well as in the use of EVO



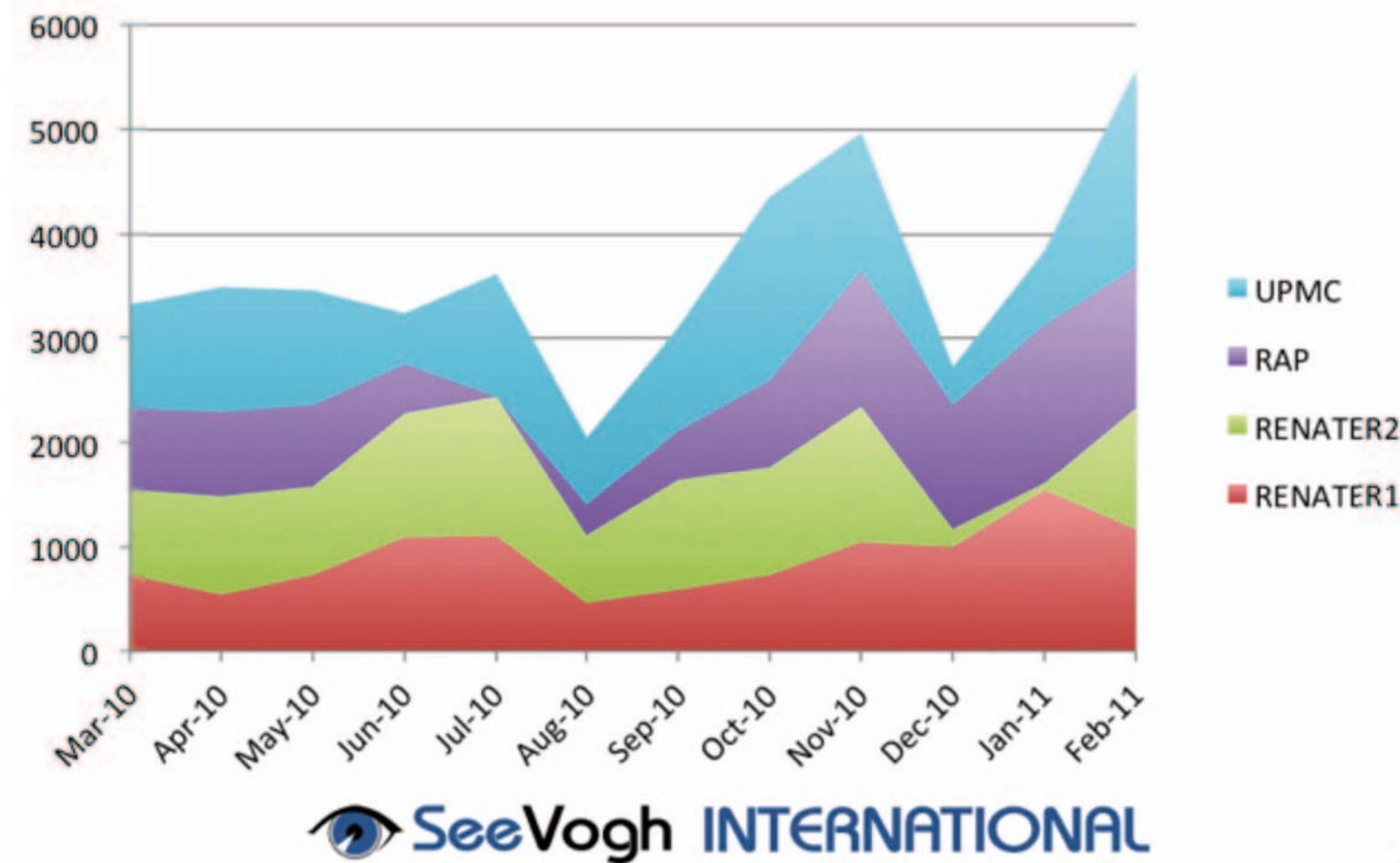
Seevogh Int'l French Users



UPMC users Seevogh International



Meetings on the French pandas



EVO-Learning

- Tests with students and teachers validated end of April 2010
- Start at a low scale in September 2010
 - Mostly distance learning
 - Use of a digital board (screen sharing)
 - Need some practice from teacher to handle hand raising.



An aerial photograph of Paris, France, showing the dense urban landscape. In the upper left, the white dome of the Sacré-Cœur Basilica is prominent on a hill. The city's rooftops, many with chimneys, are visible. In the distance, the Eiffel Tower stands out against the horizon. The sky is a pale, hazy blue.

Next

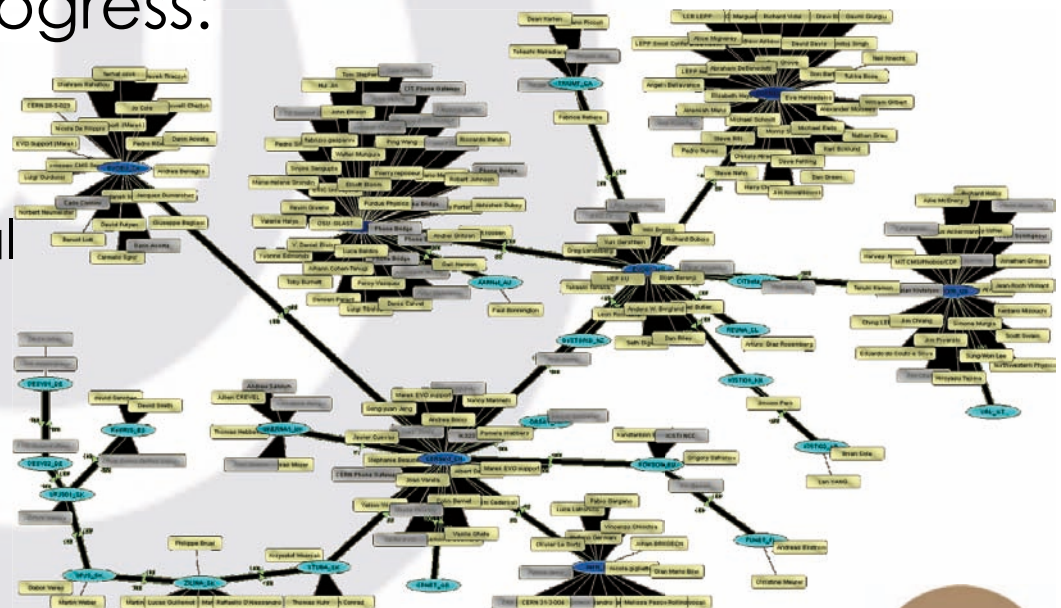
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An International infrastructure

- Seevogh Campus today:
 - From one up to 5 independent universities on one Panda server
 - No interconnection, no exchanges
- Seevogh Campus in progress:
 - A MonaLisa infrastructure
 - Cooperation with National NREN and TERENA?



An aerial photograph of Paris, France. In the background, the Sacré-Cœur basilica sits atop Montmartre. In the foreground, a large, modern building with a blue and red facade is visible. The city's dense urban landscape is filled with traditional European architecture.

**Merci
and
Demo!**

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