

# RADVISION and FCCN Enable Desktop Video Collaboration at Universities in Portugal

## About



**Customer:** Foundation for National Scientific Computing (FCCN)  
**Country:** Portugal  
**Industry:** Education  
**Product:** SCOPIA Desktop, SCOPIA MCU, SCOPIA iVIEW Management Suite and Conference Recording

### About Foundation for National Scientific Computing (FCCN)

FCCN is a private non-profit institution which provides advanced communication for the national research and education community and promotes Internet technology and services in Portugal. Since its establishment in 1987, FCCN, with the support of universities and several national R&D institutions, has significantly contributed to the Internet's expansion in Portugal. FCCN operates the National Science, Technology and Society Network (RCTS) – a high-performance network for organizations with superior communication needs which serves as a platform for developing and testing advanced communication applications and services. FCCN also manages the '.pt' domain registration service, provides services to professors, students, researchers and university staff, and is involved in several national and international projects.

For more information, visit <http://www.fccn.pt/en/>.

## The Mission

Among its primary goals, FCCN seeks to consolidate e-Science in Portugal and to this end, provides necessary communications infrastructure and support to researchers. High expenses involved in face-to-face meetings at sites across the country were restricting the frequency of training sessions essential for professors, students and individuals associated with RCTS institutions.

FCCN needed to deploy an advanced web-based video conferencing solution to deliver a cost-effective collaborative working environment for users located in different buildings and campuses in multiple locations. The collaborative environment needed to enable online classes, meetings and workgroups where users could include remote experts, bring in professors from other distant institutions to teach local students and effectively allow students to attend classes remotely.

## The Challenge

FCCN needed to build their video conferencing service on a platform that would be simple to use and easily adopted by end users with HD video, audio and data over the public Internet. Interoperability with H.323 and SIP was also key to enabling connectivity with other standards-based video conferencing systems.

FCCN also needed to provide a highly scalable centralized video conferencing service to many institutions through the public Internet, while maintaining defined security and access rights provided by each individual institution.

FCCN wanted to provide easy access to video services for permitted users inside an institution federated to the FCCN video service, while each institution managed access rights of their own users. In effect, creating a multi-tenant service where permitted end users are not required to enter login credentials multiple times and can access the service from anywhere on the Internet, along with denying access to users outside the community. These requirements demanded a robust API and SDK to allow customization of the video platform.

## The Solution

FCCN chose RADVISION's SCOPIA conferencing platform including:

- SCOPIA Desktop for HD video conferencing on the PC and Mac.
- SCOPIA MCU for multi-party conferencing.
- SCOPIA iVIEW Management for management of the video application.

RADVISION's SCOPIA platform was integrated into FCCN's sophisticated COLIBRI web collaborative environment through the SCOPIA platform SDK and APIs. COLIBRI is the e-learning portal providing overall access and scheduling of the video conferencing service enabling online classes, meetings and workgroups for professors and students. The system began undergoing testing in early 2010 and was fully deployed within a year. Today, some 2,500 users

at over 20 universities across Portugal are holding more than 700 video sessions a month using the RADVISION / COLIBRI solution. Most users connect at 384-768kbps, providing good bandwidth utilization as well as excellent audio, video and data quality.

In addition to use across universities, the combined solution has also been used as a core tool to conduct distance learning as part of a project called e-Raízes Redes, promoted by a Portuguese High Education Institution. The goal of e-Raízes is to implement and disseminate e-learning strategies "from paper to screen," where teachers have the ability to easily exchange data with homebound students using PCs and projectors. The solution is also being used to train teachers and tutors involved in this project.

## The Benefits

With RADVISION's SCOPIA conferencing platform, FCCN has an all-in-one web conferencing system that is robust, easy-to-install, and video room system-compatible.

Additionally, the solution's H.239 data collaboration, embedded firewall/NAT transversal and recording and streaming features have also proven to be key benefits.

*"Our COLIBRI collaboration tool is integral to achieving our mission and very important to us with our video services offering. The ability to integrate COLIBRI with RADVISION's robust and innovative SCOPIA solution has helped us extend our reach and expand our program. The intuitive, multi-language interface is great for our end users and the extensive SDK/API enabled us to easily implement the complete solution."*

Rui Ribeiro, Video Technical Service Manager for FCCN

### About RADVISION

RADVISION (Nasdaq: RVSN) is the industry's leading provider of market-proven products and technologies for unified visual communications over IP and 3G networks. With its complete set of standards-based video communications solutions and developer toolkits for voice, video, data and wireless communications, RADVISION is driving the unified communications evolution by combining the power of video, voice, data and wireless – for high definition video conferencing systems, innovative converged mobile services, and highly scalable video-enabled desktop platforms on IP, 3G and emerging next-generation networks. For more information about RADVISION, visit [www.radvision.com](http://www.radvision.com)

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