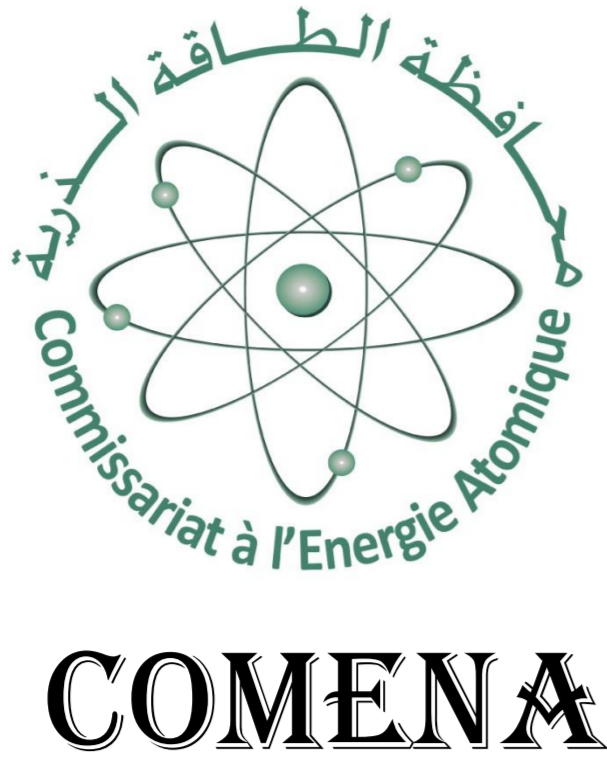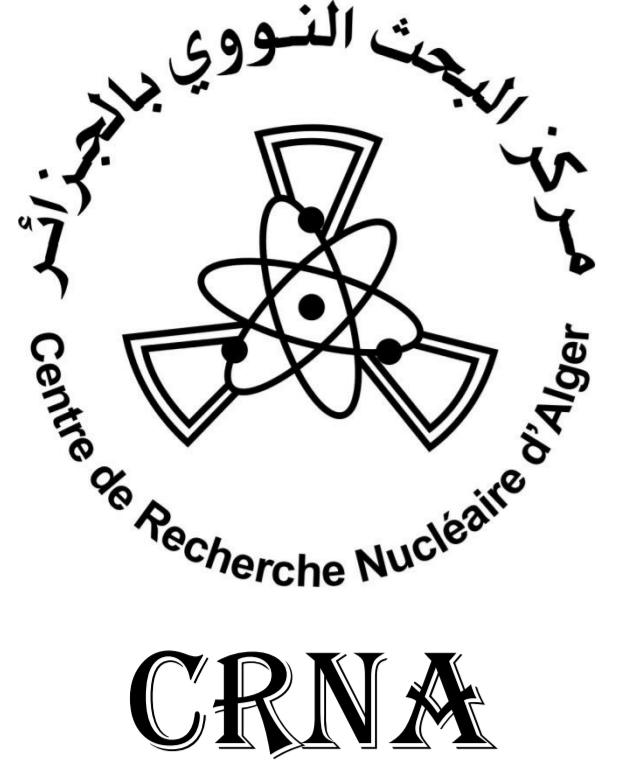# Facilitating Sustainable Education in Nuclear Science and Technology

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CRNA **COMENA**

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ABSTRACT

The experience of e-learning cell at the Nuclear Research Center of Algiers (CRNA), is divided into three parts:

❖ The (CRNA) has taken some active steps for the incorporation and or adoption of ICT-based training/learning modules in Nuclear Science and technology.

❖ The all steps that facilitate training and education in Nuclear Research Center of Algiers starting with the implementation of telecentres, the development of ICT modules in Radiation science, the distance training using Skype tools, the education platform and the web based meeting.

❖ Comparison between the use of the educational platform or blended solution "web based meeting with pre-training via ICT modules in Radiation Science

E-LEARNING TOOLS

The overall objective is to contribute to improving the sustainability and quality of nuclear education process and recommended best practices to improve efficiency and effectiveness.
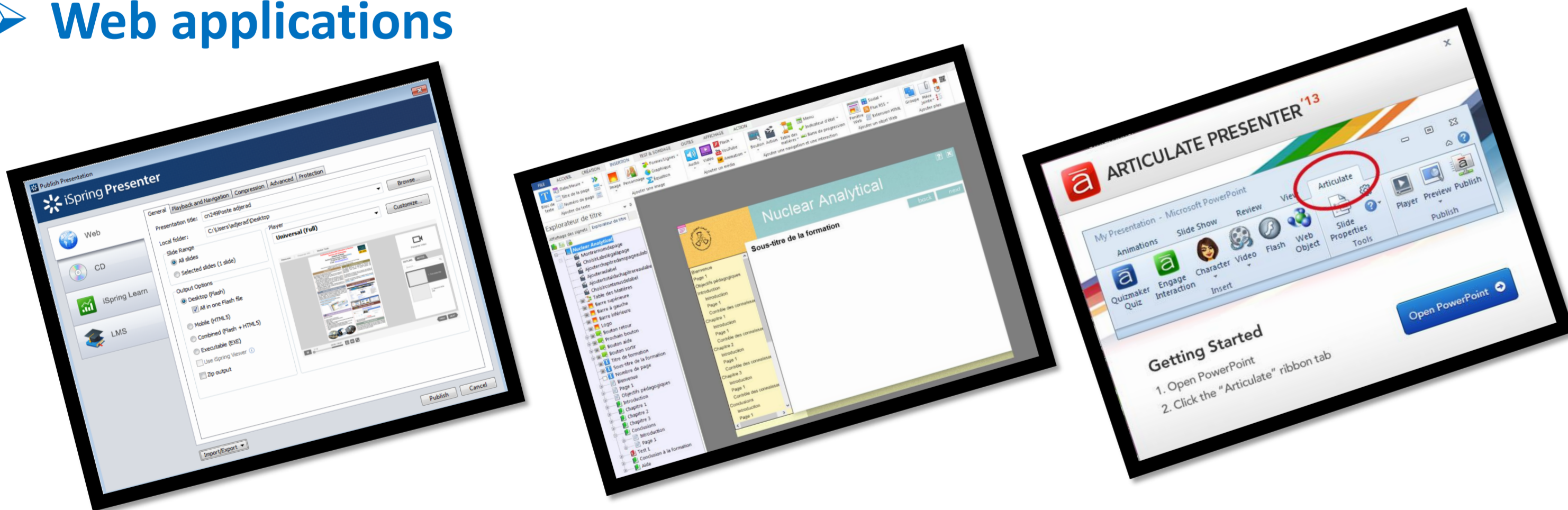
The IAEA plays an important role as co-sponsor and facilitator of introduction of ICT in support of training and learning in the field of nuclear science and technology.

A number of e-learning modules are available with the operating platforms of training and education (CLP4NET, CONNECT, ANENT, AFRANEST, LANENT...)
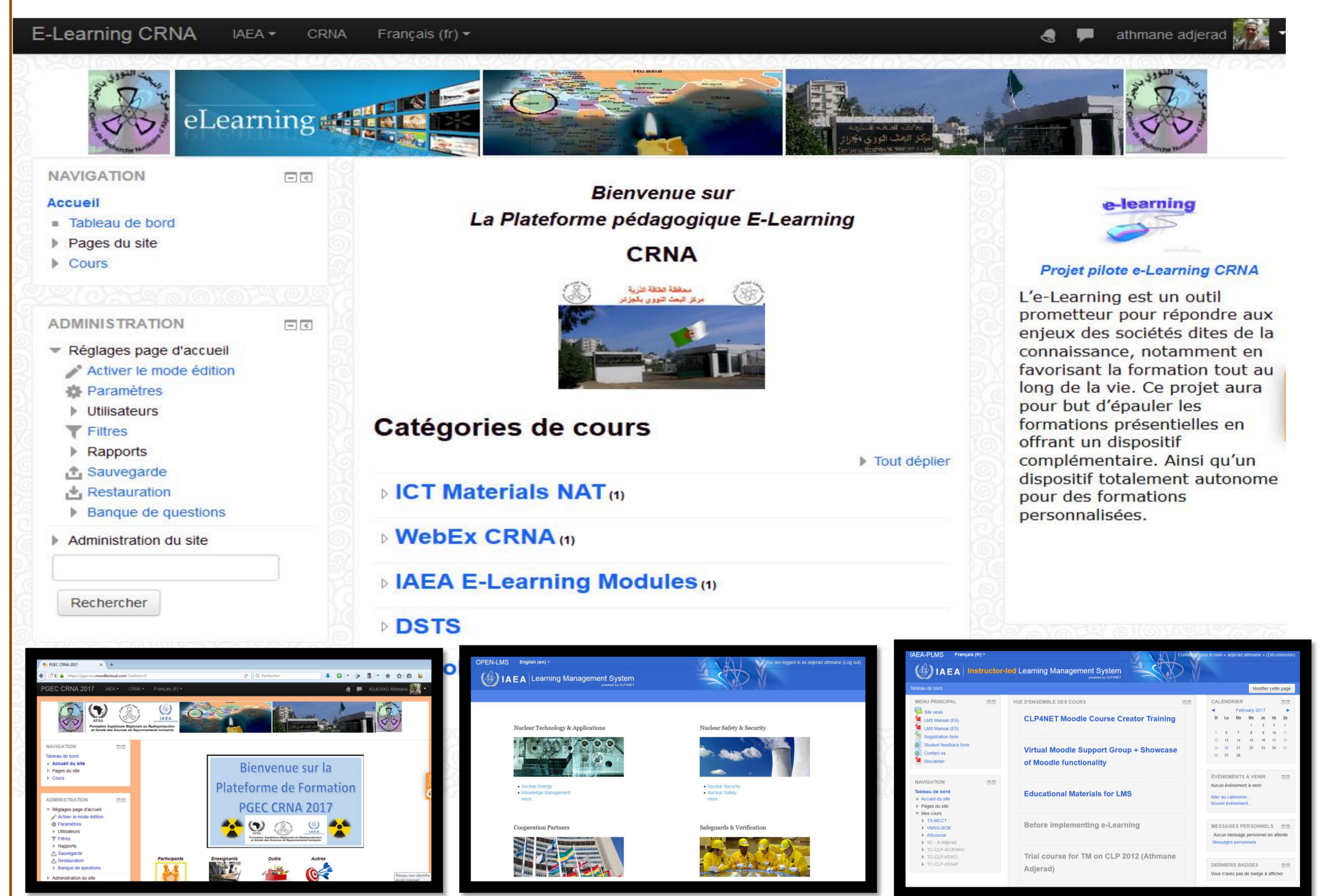
AUTHOR E-LEARNING TOOLS

The e-learning authoring tools let you essentially create formations that will be available on computers or mobile devices. Two types of training modules can thus be designed: linear modules and nonlinear modules. The e-learning authoring tools share a number of basic functions, there are still several categories:

➢ **Plug-ins or PowerPoint supplements**
(Example: ISPRING Presenter, Articulate Studio.).

➢ **Standalone desktop applications**
(example: Lectora Inspire)

➢ **Web applications**

EDUCATIONAL PLATFORMS

www.crna2016.moodlecloud.com
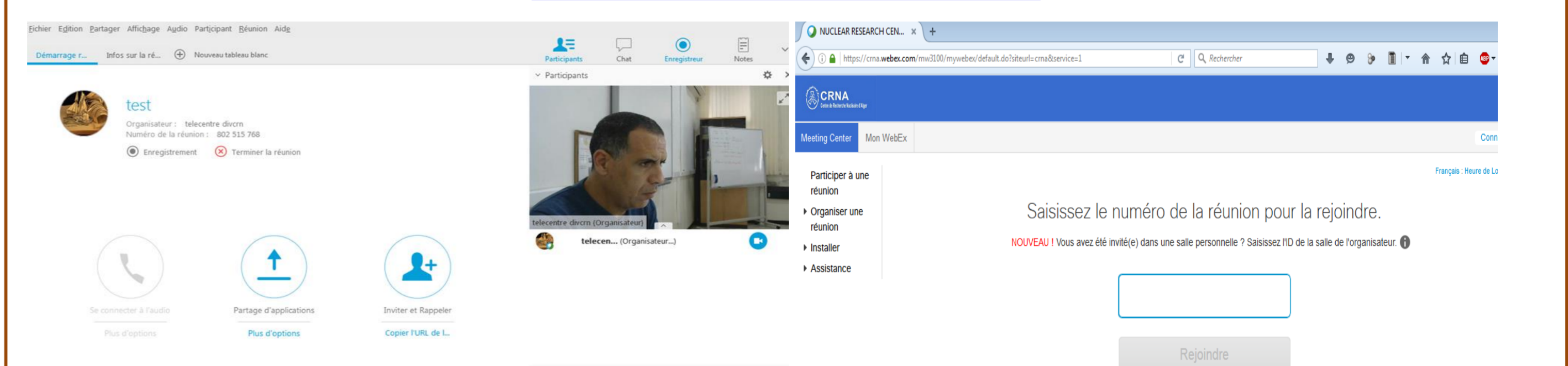
TRAINING AND EDUCATION IN CRNA

Resources available:

■ **Implementation of telecentres (02 telecentres)**

■ **Software for creating e-learning content**

■ **Training Video**

■ **The organization of virtual classrooms**
(audio and video) through the WebEx solution CRNA

■ **Instant communication and collaboration before during and after meeting through the WebEx solution**

■ **The posting of content on the training platform e-Learning CRNA.**

WEB BASED MEETING

www.crna.webex.com

E-Training

■ **Self-Learning through the e-Learning package**
■ **Web based meeting**

FUTURE RESEARCH

Future research will be related find out how students appreciate the course provided in Moodle Learning environment or blended mode (LMS and Web based meeting). We will evaluate the results in accordance to a number of criteria.