CLP4NET

IAEA Cyber Learning Platform For Nuclear Education and Training

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IAEA
International Atomic Energy Agency

The Statute of the IAEA

- ARTICLE III: Functions
  - …
  - 3. To foster the exchange of scientific and technical information on peaceful uses of atomic energy;
  - 4. To encourage the exchange of training of scientists and experts in the field of peaceful uses of atomic energy;
  - …

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IAEA Nuclear Knowledge Management Program

- Established in ~2001
- Methodology (documents, methods)
- Tools and platforms
- Services (assist visits, missions, and support)
- Nuclear Education and Educational Networking (schools, networks, platform support)

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CLP4NET

- Cyber Learning Platform For Nuclear Education and Training (CLP4NET)
- Integrates available resources for nuclear education and training to form an effective environment to support capacity building
- To support process of building and evolving nuclear competence and to support process of education and training in nuclear organizations

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E-learning

- Teaching-learning processes utilizing electronic media and information and communication technologies in education
- Multimedia learning, computer-based instruction (CBI), computer-based training (CBT), internet-based training (IBT), web-based training (WBT), online education, virtual education, m-learning

Learning Management System

- ***Learning Management System***
  or ***E-Learning platform***
  or ***Course Management System (CMS)***
  or ***Virtual Learning Environment (VLE)***
  is a software application for the administration, registration, tracking, reporting, creation and delivery of e-learning courses or training programs

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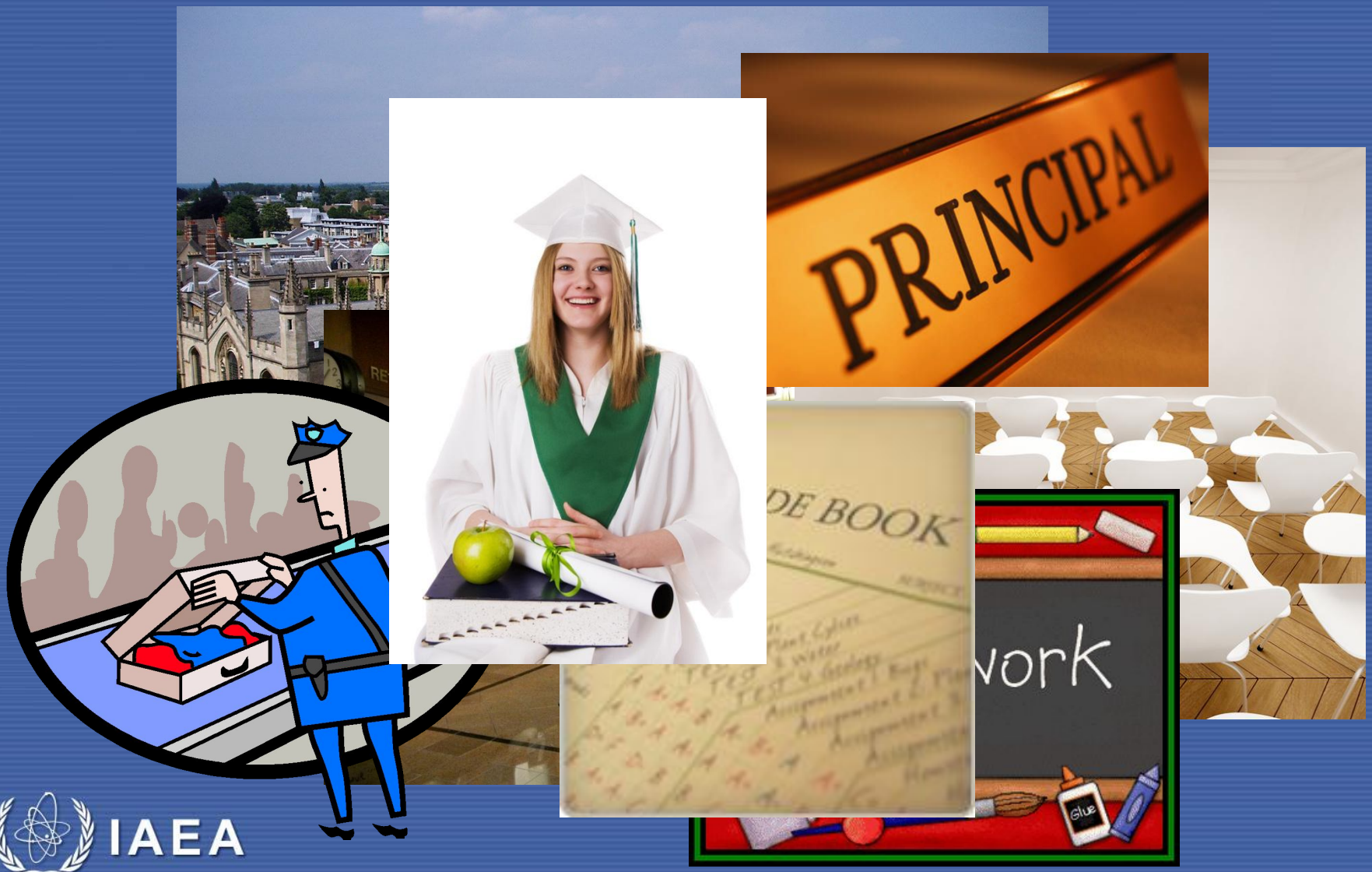
Virtual Education



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Basic Functions

- Register, manage and enrol students
- Create, organize and manage courses
- Deliver content to students
- Assess knowledge and skills
- Produce reports, certifications, students' results
- Capture and preserve knowledge for future re-use and reference

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CLP4NET

Protected Learning Management System	Open Learning Management System	Database of information on education and training
Instructor-led training courses	Publicly available materials for self-learning	Learning and educational materials, training courses, opportunities, organizations, and PhD topics
http://nkm.iaea.org/clp4net/plms	http://nkm.iaea.org/clp4net/olms	**Under development …**

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moodle

- **M**odular **O**bject-**O**riented **D**ynamic **L**earning **E**nvironment
- Moodle is a free e-learning platform or Learning Management System (LMS) designed to support both teaching and learning

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Moodle

- Easy to use
- Proven and trusted worldwide
- Free with no licensing fees
- All-in-one learning platform
- Robust, secure and private
- Moodle in your language
- Always up-to-date
- Backed by a strong community

Moodle Statistics (as of May 2014)

Registered sites	64,683
Countries	235
Courses	7,511,247
Users	71,520,514
Teachers	1,156,913

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Ideal online learning solution

- Schools
- Colleges
- Universities
- Governmental Agencies
- Military organizations
- Businesses
- Training Centres

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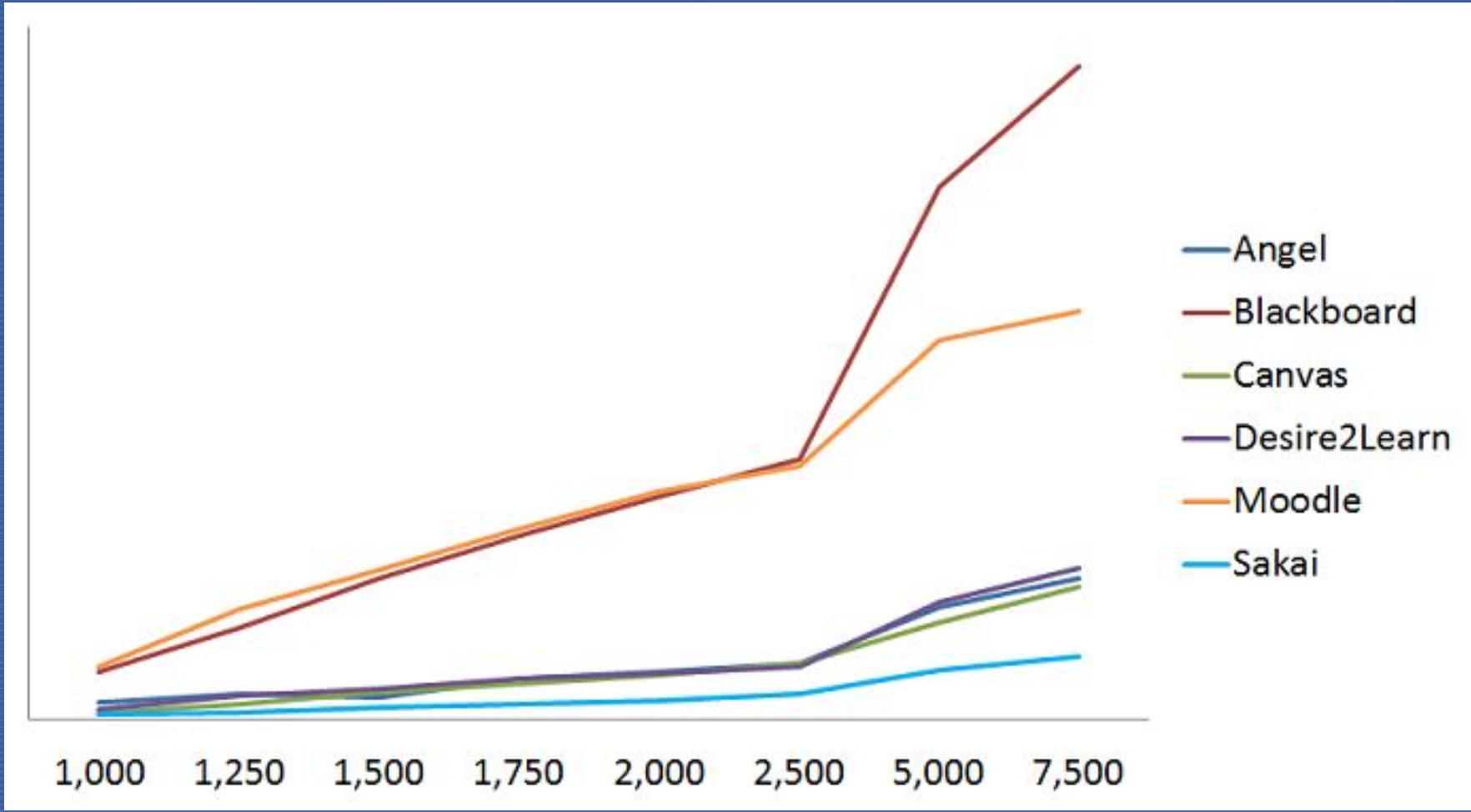
Number of institutions running each LMS by full-time students



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Moodle Users

Courses

- Activities
  - Assignments
  - Lessons
  - Glossaries
  - Quizzes
  - Wikis
  - Forums
  - Polls
  - SCORM players
  - etc
- Resources
  - Audio
  - Video
  - Documents
  - eBooks
  - Slides
  - Web pages
  - Images
  - Flash
  - URLs
  - etc

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Protected LMS – Typical Uses & Benefits

Pre-training course	Face-to-face course support	Post-evaluation
• get all participants on the same level of basic understanding before the training course takes place • save time for more value-added face-to-face activities • use quiz as an additional selection criterion	• make course materials available immediately and preserve them for future • support day-to-day activities with features of CLP4NET (i.e. quizzes, assignments, group projects)	• preserve the group space and communication channels in the long term • follow up with the participants to assess the impact of your course on their career and organization

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Nuclear Education and Training DB

Integrated Database on
NUCLEAR EDUCATION
AND TRAINING

Log in **English** Spanish

Networking Nuclear Education

The integrated database for nuclear education and training includes information and data gathered from and provided by organizations which are members of Nuclear Education Networks from different regions, such as Africa (AFRA-NEST), Asia (ANENT), and Latin America (LANENT), fostered by the IAEA.

The data presented in this database are provided by such organizations. The entities and institutions in charge of sharing such data are exclusively responsible for the information published in the database (See Terms and Conditions).

This database is a useful tool for students, teachers, professionals, and general public interested in obtaining information related to the nuclear field:

» Training courses seminars, workshops, etc.
» Degrees: University graduate and postgraduate courses, specializations, and other first degrees or diplomas.
» PhD topics offered in nuclear science and technology.
» Opportunities: Jobs, fellowships, internships, cooperation, etc.
» Educational material related to nuclear science and technology.
» A list of organizations which are Member Institutions of the educational networks, providing education and/or training services.

You are kindly invited to explore the nuclear education world using this database searching capability!

DATABASE Search!

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The Nuclear Educational Networks and this website were established with the assistance of the IAEA.

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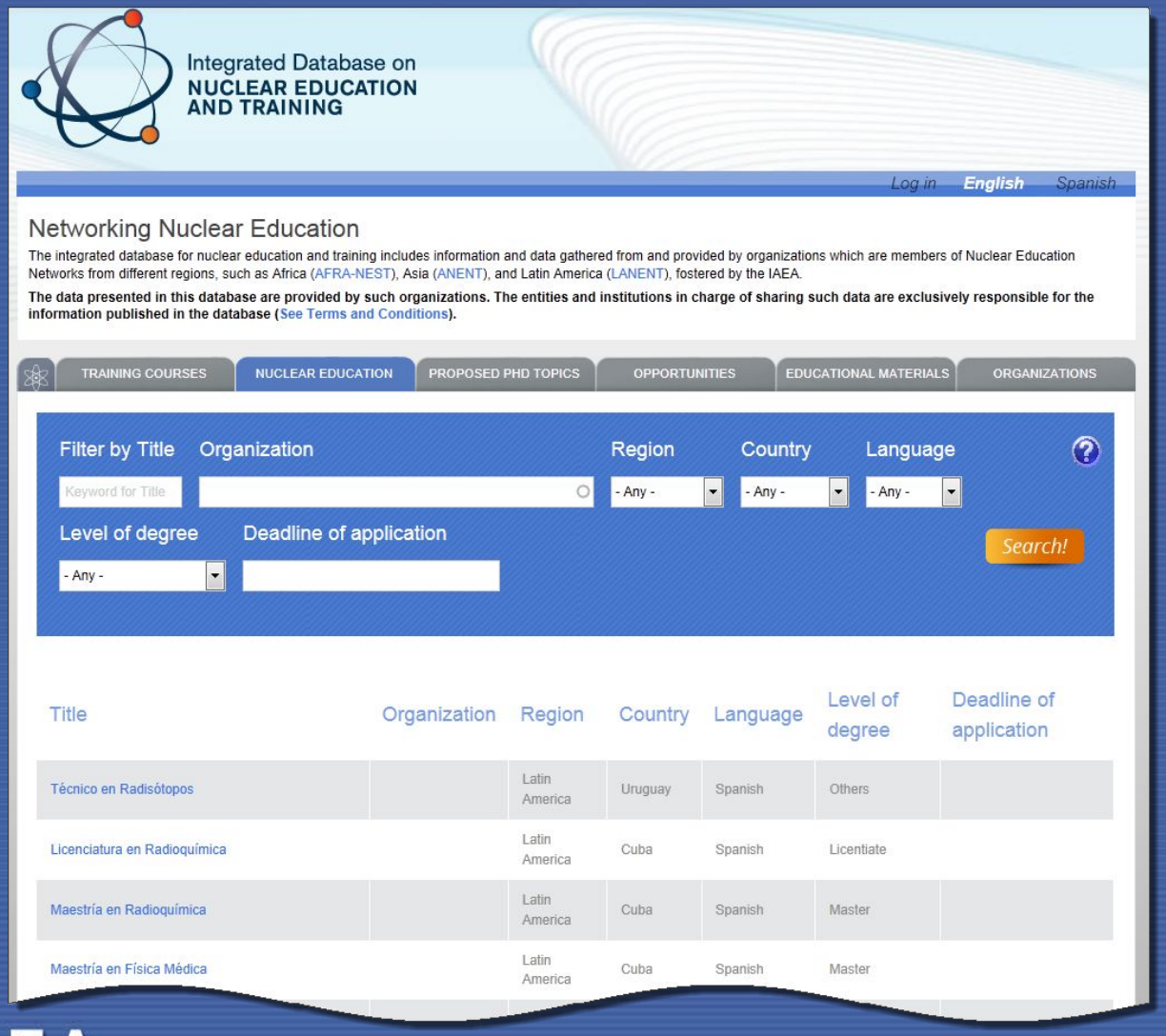
Database Search



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CLP4NET Fact Sheet

- Hosted in IAEA clouds (MS Azure)
- Availability ~ 100%
- Learner Experience – 24/7/365
- Learners can login anytime, anywhere to interact with coursework
- 1300 registered users from more than 70 countries (protected LMS)

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