



**COOPERATION AGREEMENT  
AMONG REGIONAL NUCLEAR EDUCATIONAL NETWORKS**

**Vienna**

**18 September 2013**

This Cooperation Agreement is made between the Asian Network for Education in Nuclear Technology (ANENT), the Latin-American Network for Education in Nuclear Technology (LANENT), the AFRA- Network for Education in Nuclear Science and Technology (AFRA-NEST) and the European Nuclear Education Network Association (ENEN).

Whereas ANENT, LANENT and AFRA-NEST are the regional networks, founded with the objectives to foster nuclear education and training and international partnerships in achieving high quality education and training up to global standards, as well as in maintaining capacities in teaching and retaining expert knowledge in nuclear science and technology,

Whereas the ENEN is a non-profit international organisation under the French Law of 1901, aiming at the preservation and the further development of expertise in the nuclear field by higher education and training,

We, as representatives of the regional nuclear educational networks, pledge our best efforts to cooperate and implement the Work Plan, as given in *Annex*, based on the Action Plan which was approved at the IAEA Technical Meeting on Regional Networks for Education in Nuclear Technology on 18-21 June 2013, Vienna, Austria.

---

Asian Network for Education in Nuclear  
Technology (ANENT)  
Hendriyanto Haditjahyono

---

Latin-American Network for Education in  
Nuclear Technology (LANENT)  
Raul Barrachina

---

AFRA- Network for Education in Nuclear  
Science and Technology (AFRA-NEST)  
Edward H. K. Akaho

---

European Nuclear Education Network  
Association (ENEN)  
Walter Ambrosini

Annex

**WORK PLAN (First Priority<sup>1</sup>)**

No.	No. in <i>Action Plan</i> <sup>2</sup>	<i>Item</i>
	<b>1</b>	<b>HUMAN RESOURCE DEVELOPMENT</b>
WP 1 <sup>3</sup>	1.1.1 1.1.3 1.3.4	Study on curricula, benchmarking and mutual recognition ( <i>To be continued</i> <sup>4</sup> ) ✓ Investigate mechanisms for mutual recognition in different regions. Regional networks should create a working group and discuss inter-regionally ✓ Benchmarking/accreditation
WP 2	1.2.1 1.2.2 3.1.2	Create a database of ✓ Institution/faculty and available facilities ✓ E&T courses, learning objects ✓ Opportunities to facilitate mobility of teachers and students
WP 3	1.3.1	<b>Strengthen communication</b> – create wiki, forum and start an international community of practice ✓ Provide tools (e.g. wiki) to foster the effective and continuous communication among educational networks
WP 4	1.3.2	<b>Mapping networks</b> on different levels (related to nuclear education) ( <i>To be continued</i> ) ✓ local/national ✓ regional ✓ inter-regional
WP 5	1.3.3	<b>IAEA to facilitate bi-lateral/multi-lateral agreement</b> – through signing PA ( <i>To be continued</i> ) ✓ ENEN ✓ Pavia University
WP 6	1.3.5	<b>IAEA GC 2013</b> ✓ Side Event “Networks for Collaboration in Nuclear Education and Training” ✓ EMSNE Award Ceremony with ENEN
	<b>2</b>	<b>OUTREACH</b>
WP 7	2.1	<b>Participate and/or organize a workshop to exchange the best practices on outreach</b> (targeted to Universities, users and funders) ( <i>To be continued</i> ) ✓ Participate in Technical Meeting on Outreach and Stakeholder Involvement for Nuclear Power Programmes on 3-6 December 2013, Texas, USA

<sup>1</sup> These items are defined with priority at the Technical Meeting on 18-21 June 2013, Vienna.

<sup>2</sup> *Action Plan* agreed at the Technical Meeting on 18-21 June 2013, Vienna. “1.X.X” means for HUMAN RESOURCE DEVELOPMENT, “2.X.X” means for OUTREACH, and “3.X.X” means for TECHNOLOGY.

<sup>3</sup> Work Package

<sup>4</sup> This item will be continued. See “*For Future Actions*”

3		TECHNOLOGY
WP 8	3.1.1	Creation of a repository of current E-learning courses materials (video, docs, other digitized educational materials) ✓ Create a repository of available educational material to be shared among networks and institutions.
WP 9	3.2.1	Create an interregional virtual Moodle support (help desk) ( <i>To be continued</i> ) ✓ Sharing Moodle instructions/training ✓ Connected regional administrators ✓ “Help desk” for 1) administrators and 2) users, including 2-1) teachers and 2-2) students
WP10	3.3.1	Discuss a document/agreement based on “creative commons” templates for the members to use regarding intellectual property? ✓ Set an intellectual property agreement to be applied by the different networks.

#### For Future Actions

1		HUMAN RESOURCE DEVELOPMENT
WP11	1.3.6	Annual meeting of each regional network – ANENT/LANENT/AFRA-NEST ✓ Facilitate participation of representatives of regional networks interregional networking meetings ✓ Move the Educational Networking Meetings to locations in the different regions whenever possible.
WP 12	1.3.7	Participate in the annual ENEN PhD Event
WP 1 Cont'd	1.1.2	Study on curricula, benchmarking and mutual recognition ✓ Investigate the development of guidelines for curriculum for different areas (subjects to be defined) interact with other dept. within the Agency, for example - Nuclear Engineering (Nuclear Energy Series No. NG-T-6.4, 2013) - Medical Physics - Radiation Safety and Radiation Protection
WP 4 Cont'd	1.3.2	Mapping networks on different levels ✓ Identify a taxonomy on common issues of Nuclear Education and Training activities. ✓ Foster the collaboration of educational networks with other topical knowledge networks, in order to exchange information and address common needs. ✓ Improve the harmonization between different areas at IAEA related to education and training issues, both general and topical. ✓ Support the compilation of existing institutions and courses, and the development of a new up-to-date Status and Trends report for Education and Training in Nuclear Technology. ✓ Networks should continue sharing best practices among themselves, in

		particular with relation to the development of a good and effective practical coordination and harmonization of its activities.
WP 5 Cont'd	1.3.3	IAEA to facilitate bi-lateral/multi-lateral agreement – through signing PA ( <i>To be continued</i> )
	<b>2</b>	<b>OUTREACH</b>
WP 7 Cont'd	2.2 2.3 2.4 2.5 2.6	<ul style="list-style-type: none"> <li>✓ Organize a workshop to exchange the best practices on outreach (targeted to Universities, users and funders)</li> <li>✓ Create a Catalogue of outreach activities performed by the universities in the regions to identify best practices</li> <li>✓ Create a Catalogue of outreach materials and tools</li> <li>✓ Integrate in an Interregional repository for implementation (material free of charge)</li> <li>✓ Launch a Community working group for outreach</li> </ul>
	<b>3</b>	<b>TECHNOLOGY</b>
WP 13	3.1.3	Produce new courses and/or content according to the needs of the region, after a review of available materials
WP 9 Cont'd	3.2.2 3.2.3 3.2.4	<ul style="list-style-type: none"> <li>Create an interregional virtual Moodle support (help desk)</li> <li>✓ Create instruction for e-learning content developers and teachers</li> <li>✓ Discuss the governance PIP documents</li> <li>✓ Deliver one pilot course – subject to be decided by the region</li> </ul>