

EWON : The East-West-Outreach Nuclear Physics Network

1. Objectives and expected outcome of the activity

EWON, the networking activity of EURONS, reflects the cooperation of research institutions from 6 different South-East European (SEE) and 4 North-East European (NEE) countries aimed to a) strengthen the involvement of their nuclear physics communities in the research programmes of the European Large Research Infrastructures (ELRIs) and b) enhance collaboration between scientists in these communities. The network intends to provide the European nuclear physics community and the European Commission with a study on: a) the status of the nuclear physics communities and the research installations in the SEE and the NEE countries together with their scientific potential, and b) the perspectives for their integration in the European Research Area. The study will focus on:

- a) The research projects running at the existing research infrastructures and institutions of SEE/NEE countries in the field of nuclear science and applications. Of special interest are joint research projects which can run at the SEE/NEE countries, as well as projects aimed to support the research programmes of ELRIs.
- b) The research activities of SEE and NEE research groups that are carried out at the European Large Research Infrastructures.
- c) The problem of brain drains of young scientists in the SEE/NEE countries.
- d) The search for additional measures through which the involvement of SEE and NEE research groups in the European research effort will be increased.
- e) The possibilities to improve education aiming at excellence in the field of nuclear science and applications in the SEE/NEE countries.

The network has following structure.

- The Network Coordination Council (NCC)
- The Network Working Groups (NWGs)

The main deliverables to be produced by the network are the following 2 study-reports:

- “Research activities of Southeast and Northeast Nuclear Physics Groups at the European Large Scale Facilities: Status and Future Possibilities”.
- “A Mapping Study of Nuclear Science and Technology in the Southeast and Northeast European Countries: Present and Future”.

The Network Coordination Council (NCC) consists of a) the Coordinators of SEEN and NEEN (S. Harissopoulos and R. Broda, respectively), the Chair of NuPECC (M. Harakeh) and two (2) elected representatives, one from the SEE and one from the NEE community. NCC initiates and coordinates the network’s overall progress.

The Network Working Groups (NWG) consists of scientists that are appointed by the EWON member institutions, to perform studies related to the goals and deliverables of the network. They refer to the NCC and prepare the necessary documents.

EWON is expected to have duration of 4 years, starting from January 1st, 2005. The network activities of EWON are the NWG-meetings and a workshop. The NWG-meetings are the main tools for the preparation of the deliverables. The workshop is necessary to bring together SEE and NEE experts on various topics of nuclear physics, to discuss common problems and collaborations.

The dissemination of the new knowledge to be gained by the activities of the network will be available to European scientific community via

- a) The two deliverables of the network. These documents will be distributed to all European Large Research Infrastructures and scientific bodies. They will also be accessible to any European scientist through the web page of the network.

- b) The scientific report from the workshop to be organized by the Network. This report will also be available to any scientist in the network's web page. A summary of the results of the EWON workshop will be sent for publication in the NuPECC's official journal "Nuclear Physics News International".
- c) The minutes of the foreseen meetings will be accessible through the web page of network.

3. Justification of financing requested.

The EC contribution required amounts to 120.000 € (including overheads). The budget includes the following positions:

Management costs: =	6.000 €
Meetings: =	90.000 €
Workshop: =	24.000 €.
TOTAL =	120.000 €

It is understood that the NCC, coordinating the merged SEEN and NEEN network activity, ensures the equal sharing of available funds among these two partners.

4. Implementation plan for the first 18 months

The implementation plan of EWON for the first 18 months consists of Working Group meetings. These will be organized in a broad spectrum of participating countries, involving representatives of all interested groups. Progress reports will be produced by each of these working groups, eventually yielding the first draft of both deliverables.