



Integrated Nuclear Education Advisory Services (INEAS)



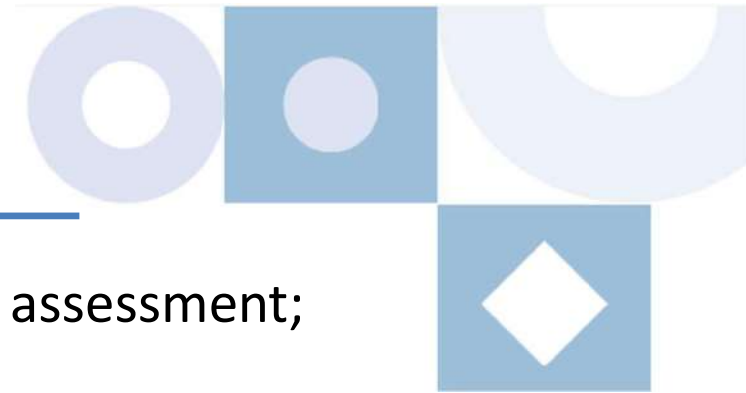
Mission: Romania

Self assessment evaluation; suggestions

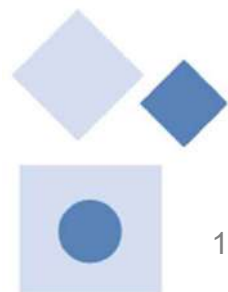
[Bucharest, Romania, 18-21 November, 2025]

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General opinion



- The document is comprehensive->nation-wide assessment;
- Tackles both energy and medical field;
- Numerous participants that prove that the nuclear ecosystem in Romania is quite developed;
- Nuclear education is distributed across multiple regions in the country (,) with focus on those close to big industrial centres (ref. to NPPs)
- Good set of (self)conclusions.
- Romania's nuclear ecosystem is in a good alignment with national interests, it follows national and international legislation and takes into consideration national and regional cooperation for achieving its objectives in the nuclear-related industries.



WHAT ARE THE GOVERNMENT'S PRIORITIES FOR NUCLEAR AND RADIOLOGICAL SCIENCE AND TECHNOLOGY?

- Quite comprehensive answer;
- Networks and networking can ensure a proper dialogue and sharing of expertise, needs and actions;
- R&I: worth mentioning national/private institutions involved (e.g. CITON; ICN; IFIN; etc.);
- Worth mentioning key national projects.

WHAT ARE THE EXISTING POLICIES AND STRATEGIES GOVERNING NUCLEAR AND RADIOLOGICAL EDUCATION, SCIENCE AND TECHNOLOGY?

- Policies and strategies are very well noted;
- Are they enough? Should more be developed?
- Status of these documents: in full force/under review/incipient stage.

WHAT IS THE NATIONAL DEMAND FOR NUCLEAR AND RADIOLOGICAL SPECIALISTS?

- Split into three sub-categories that are well addressed
- Providing qualified specialists to the industry is a lengthy process-> coordination between future employers and qualified HR providers is needed
- We need an assessment whether the current number of institutions satisfy the actual and future needs in terms of qualified human resource;
- Take into consideration the need for new teachers/rad. specialists:
 - E.g. in an NPP about 15% of the personnel needs to be highly “nuclearized” the rest of 85% should have a certain degree of “nuclear awareness”
 - E.g. radiological specialists found in hospitals per capita

[...] TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING INSTITUTIONS [...] that OFFER RELEVANT PROGRAMS

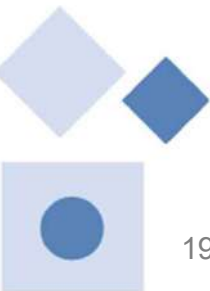
- All relevant stakeholders have been addressed.
- Considering the harmonization of teaching programs is appropriate? If it is not the case, do inter-institutional collaboration agreements exist?
- Are there enough “reasons” for a student completing his/her studies in one side of the country to travel to the other side for a job?
- Attention to numbers provided and I recommend removing explicit person names from the report;
- For growing the research teams, it would be advisable to have a diversification of the coordinators of the research projects based on specific thematics->increase the number of active staff

[...] E&T PROVIDERS COLLABORATE IN A FORMALIZED COMMITTEE OR NETWORK?

- National and international cooperation exists.->very positive
- National dialogue between actors is desirable
- Be aware of structure of coordination of networks from various examples (e.g. BNEN; NEDHO; etc.)

ARE THERE ANY INTERNATIONAL PARTNERSHIPS IN THE TEACHING OR RESEARCH OF NUCLEAR AND RADIOLOGICAL TOPICS?

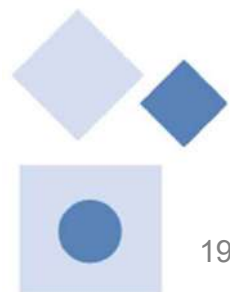
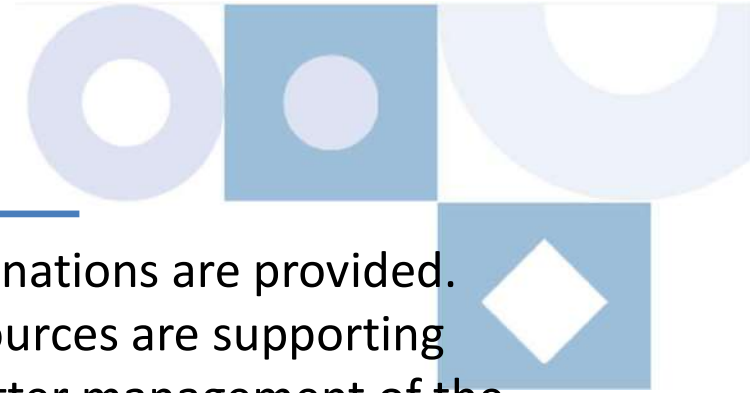
- Good international partnerships!
- Please differentiate between actions and partnership.
- Personal comment/info: Erasmus guide for 2026 was just launched the previous week. It can offer support for further improving the international cooperation.



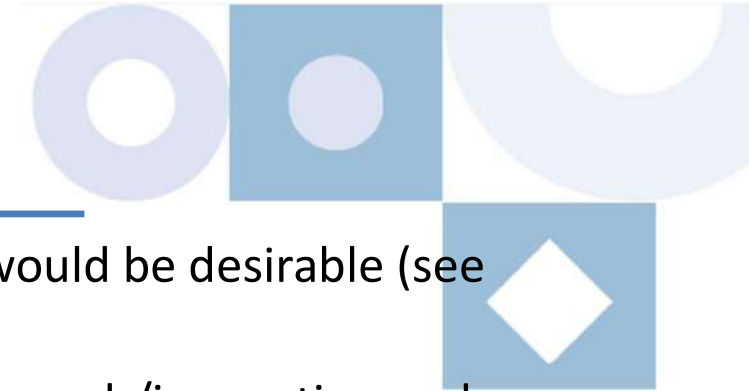
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HOW IS FUNDING OBTAINED?[...]

- The funding chapter is well developed, and thorough explanations are provided.
- Should follow more in assessing if the (national) funding sources are supporting nuclear-related projects as well. This could support in a better management of the teams involved in obtaining these funding;
- Coordination among nation-wide institutions is desirable;

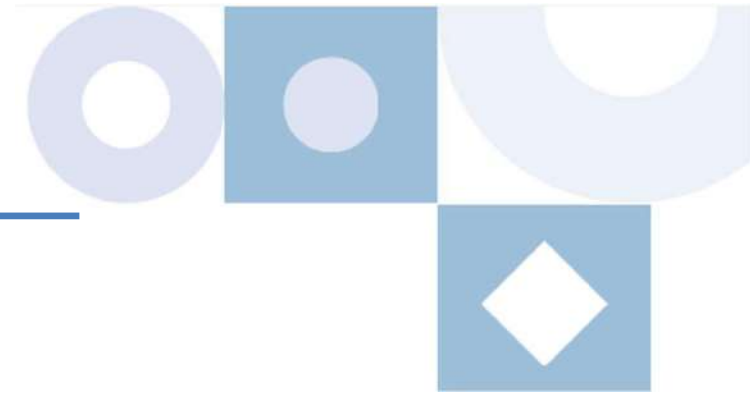


Final remarks



- 1 National coordination with a defined structure would be desirable (see BNEN or NEDHO as examples)
- 2 MED& ENG: Laboratories are mostly used for research/innovation and or relevant for the industry on a short term? Numerous MED labs but those for ENG seem to have space for improvement
- 3 ENG: A national alumni & jobs database is desirable since there are only a few industrial players. (LinkedIn?)
- 4 ENG: a strategy for attracting&retaining people from other countries/regions; MED: a strategy for securing more personnel is needed;
- 5 **Industry, education, research and decision makers should have an open and continuous dialogue to assess and coordinate: the offer – the need – the timing – national support – institutional support for achieving country – level interests.**

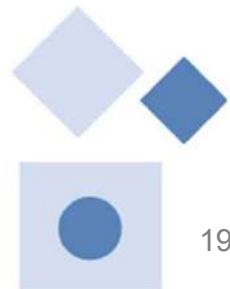
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Thank you for your attention



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