



CZECH NUCLEAR EDUCATION NETWORK



CZECH NUCLEAR EDUCATION NETWORK

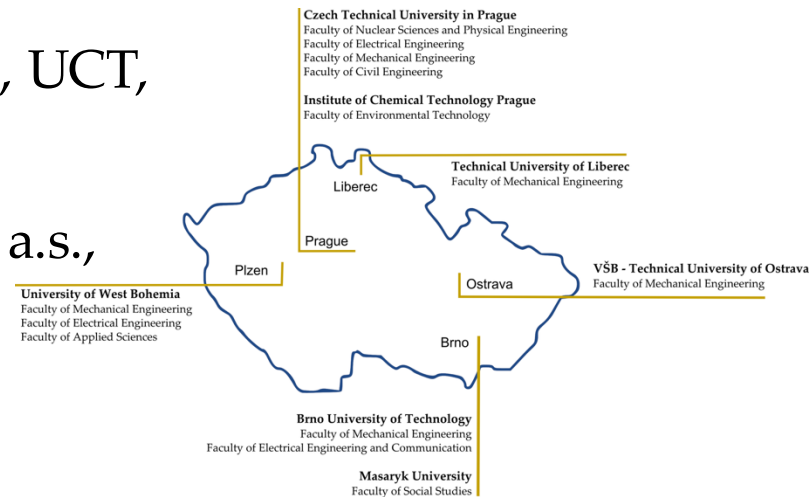
Czech Technical University in Prague

Jan Rataj

2025

CENEN – HISTORY

- CENEN was founded as a voluntary association of academic, industrial and government institutions with a common interest in nuclear education.
- The Association was founded on 3 May 2005 in Prague
- Main objective - cooperation in the field of nuclear education
- Organizations involved:
 - Universities: CTU, BUT, MU, TUL, UCT, UWB, VSB-TUO
 - Non-academic institutions – ČEZ, a.s., SÚJB, ŠKODA JS, a.s., ÚJV a.s.



CENEN – CURRENT STATUS

- Management:
 - ✓ President: Prof. Čechák (CTU)
 - ✓ Vice-President:
 - Jana Jiříčková (UWB)
 - Jan Rataj (CTU)
 - ✓ Secretary: Jana Rejková – Petrů (UCT)
- CENEN's only and regular activity:
 - ✓ Thanks to the efforts of a few members, the CENEN summer school is still organized (since 2007).
- CENEN, as a free association without legal status, is unfortunately not functional in the long term in current form.



CENEN – REVIVAL

- **WHY?**
- The Czech Republic has clearly declared plans to build and operate new NPPs, and the future energy-mix will be based on a combination of nuclear and renewables:
 - ✓ It means a huge demand for human resources not only for industry, but also for research and government.
 - ✓ It means new educational needs including reskilling and upskilling for professionals.
 - ✓ It means necessary expert support for the government.
 - ✓ It also means the need for legislative changes and updating of strategic documents of the state.
 - ✓ It means maintaining and developing know-how.



CENEN – REVIVAL cont.

■ HOW?

- ✓ To make CENEN functional again, it is necessary to change its form from a free association to association with legal status.
- ✓ CENEN must involve not only academic institutions, but also industry, research and government (everyone whose activities are related to the use of nuclear energy and ionizing radiation).
- ✓ The activities of CENEN must be supported by a high quality and functional office.
- ✓ CENEN members must have an interest in its running and CENEN must provide them with an appropriate service.



CENEN – NEW GOALS

- To establish a single point of contact for nuclear education in the country, which will:
 - ✓ Provide a comprehensive overview of E&T in the country:
 - Monitoring and cataloguing technical education activities, including capacity assessment.
 - ✓ Provide an information sharing and cooperation between universities, nuclear industry, nuclear research and state administrations.
 - ✓ Connecting CENEN with high-school "technical" education.
 - ✓ Help maintain and develop nuclear know-how.



CENEN – NEW GOALS cont.

- To provide a comprehensive range of academic and vocational training in nuclear engineering, including consultancy and services:
 - ✓ Continuously analyze and predict human resource needs in the context of existing and planned nuclear activities in Czech Republic.
 - ✓ Develop educational programs that reflect ongoing and future nuclear projects.
 - ✓ Connect university education with industrial practice.
 - ✓ Offer vocational courses aimed at retraining, re-skilling and up-skilling.
 - ✓ Organize training programs focusing on "Train-the-Trainers" and "Leadership" in the nuclear field.



CENEN – NEW GOALS cont.

- To provide a comprehensive range of academic and vocational training in nuclear engineering, including consultancy and services:
 - ✓ Organize seminars, workshops, lectures, including conferences - develop existing internationally recognized nuclear conference in the Czech Republic
 - ✓ Promote and develop the CENEN Summer School and establish similar activities for high-school students
 - ✓ Offer expert services to government, state administration and industry.
 - ✓ Cooperate in the development of legislative documents, strategic documents and analyses.



CENEN – NEW GOALS cont.

- Promotional activities:
 - ✓ Establish working promotional and communication channels for CENEN (web, Instagram, Facebook, Linkedin, etc.).
 - ✓ Organize promotional activities for elementary and high schools.
 - ✓ Provide lectures for public on topical issues (e.g. SMR, RWR, medicine applications, nuclear threats, etc.).
 - ✓ Development of brochures, promotional materials, support and development of a Czech nuclear professional journal.
- Establish and develop cooperation with foreign countries.
- **CENEN activities should target not only nuclear power but also non-power activities.**



CENEN – REVIVAL SCHEDULE

- Transformation of CENEN from a free association to an association with legal status - by end of 2025.
 - ✓ Finalization of the statutes of the association by the end of December 2024.
 - ✓ Review and comment on the statutes by the members of the association by the end of August/September 2025.
- Establishment of the association (including the approval process at universities, boards of trustees, etc.) by the end of December 2025.
- Launch of the association - January 2026.

