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"We have at our disposal technically mature, low-carbon alternatives – including solar and wind technology, hydroelectricity and nuclear power – to help countries reach their environmental and energy security goals. Reaching these goals will require us to use all of these low-carbon resources in an economically sound manner."

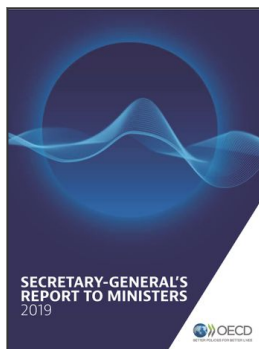
Nuclear Energy Agency

The **Nuclear Energy Agency (NEA)** assists its membership in maintaining and further developing the scientific, technological and legal bases required for the safe, environmentally sound and economical use of nuclear energy for peaceful purposes. It provides authoritative assessments of and forges common understandings on key issues to support government decisions on nuclear technology, and on energy policies overall.

NEA activities cover nuclear safety and regulation, including human aspects such as safety culture, radioactive waste management, decommissioning, radiological protection, nuclear science and data, nuclear technology development, economic analyses, and policy and legal matters. The NEA is the technical Secretariat for the Multinational Design Evaluation Programme, the International Framework for Nuclear Energy Co-operation and the Generation IV International Forum. Over 20 joint undertakings operate under NEA auspices.

In 2018, the NEA celebrated its 60th anniversary. Other highlights included a first regional ministerial meeting on nuclear co-operation, held in Romania; the advent of the Committee on Decommissioning of Nuclear Installations and Legacy Management; and the first Country-Specific Safety Culture Forum, held in Sweden. Notable publications included *The Full Costs of Electricity Provision* and *Towards an All-Hazards Approach to Emergency Preparedness and Response*. The latter was a horizontal project with the Environment and Public Governance directorates and the EC Joint Research Centre.

The NEA continues work on the Nuclear Innovation 2050 project to identify global priorities for future R&D, establish frameworks for innovation and accelerate implementation of new technologies. It also continues to implement the Nuclear Education, Skills and Technology (NEST) Framework, which provides research and training opportunities for future nuclear technology experts and leaders. ■



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