

INEA Declaration of Role of Nuclear Energy in Fighting Climate Change

Nuclear Energy has been the cornerstone of clean electricity generation for several decades, accounting for more than half of all emission-free electricity production in many industrialized countries. Annually published International Energy Agency (IEA) data consistently show that among countries with a high GDP, the lowest carbon intensity is found in countries with the highest percentage of installed nuclear and hydroelectricity capacity. In its 2014 Energy Outlook under the lower carbon intensity scenarios, IEA showed a need for substantial growth in installed nuclear capacity—an increase of 60% by 2040.

Nuclear energy is proven, reliable, and sustainable. Furthermore, the predictable and long-term competitive costs of nuclear electricity generation are long term assets of strategic and economic importance to all nations. It is also the only source of baseload electricity that has the capacity to expand at the scale needed to mitigate carbon buildup in the earth's atmosphere. Objective studies have shown time and again that nuclear plants have the best record of public safety of all energy technologies, even when considering the well-publicized accidents at Three Mile Island (1979), Chernobyl (1986), and Fukushima (2011).

Prominent scientific societies and organizations have stressed the importance of nuclear energy as a key tool in the fight against climate change. The International Nuclear Energy Academy enthusiastically joins the many leading scientific organizations that endorse expansion of nuclear energy as a key strategy in the fight against climate change.

The International Nuclear Energy Academy (INEA) is a group of prominent, experienced scientists, engineers and related nuclear energy specialists who conduct studies and discussions, and develop recommendations for the international nuclear community on various generic nuclear energy issues. Academy membership is limited to approximately 100 distinguished individuals from around the world.