

# iThEC's contributions to the exploitation of thorium

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## Abstract

The international **Thorium Energy Committee** (iThEC) is a non-profit association under Swiss law, created in 2012 to promote research and development in thorium technologies, with the more specific initial goal of destroying nuclear waste in accelerator-driven systems (ADS), and the longer-term goal of exploiting thorium as a sustainable source of energy.

After briefly reviewing the motivations for exploiting thorium, I will describe iThEC's strategy toward that goal. I will present two main projects, which iThEC is currently actively promoting, a proposal for an ADS experiment at the Troitsk Institute for Nuclear Research in Russia (First coupling of an accelerator with a fast neutron subcritical core, at significant power), and the study of a concept of ADS as an innovative small modular reactors (ADSMR), with emphasis on licensing issues.