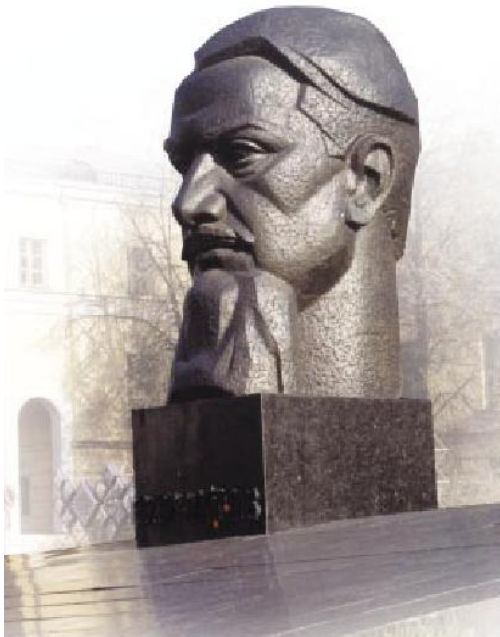


Priority directions of Russian nuclear energy development

Shtrombah Ya. I. PhD

National Research Centre “Kurchatov Institute”



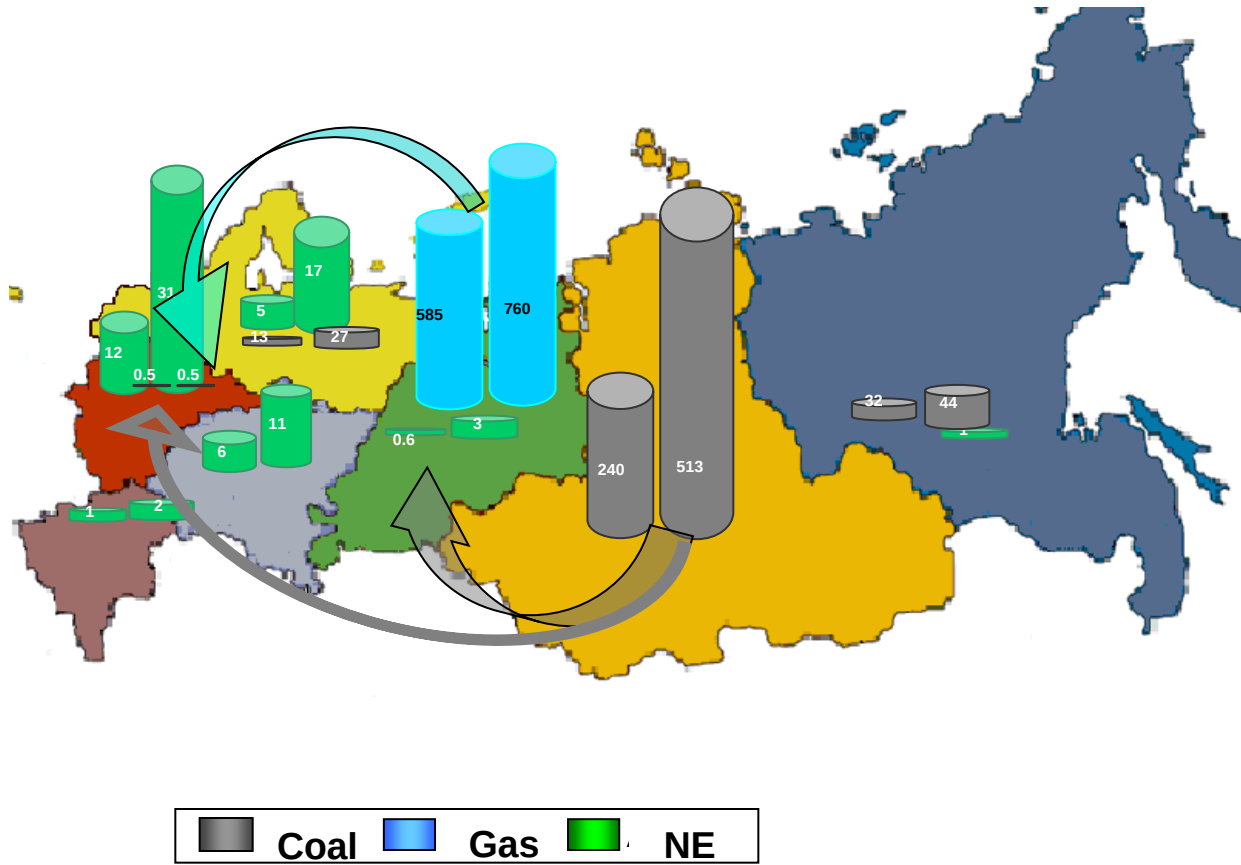
July 2012

Russian energy development according to ES-2030

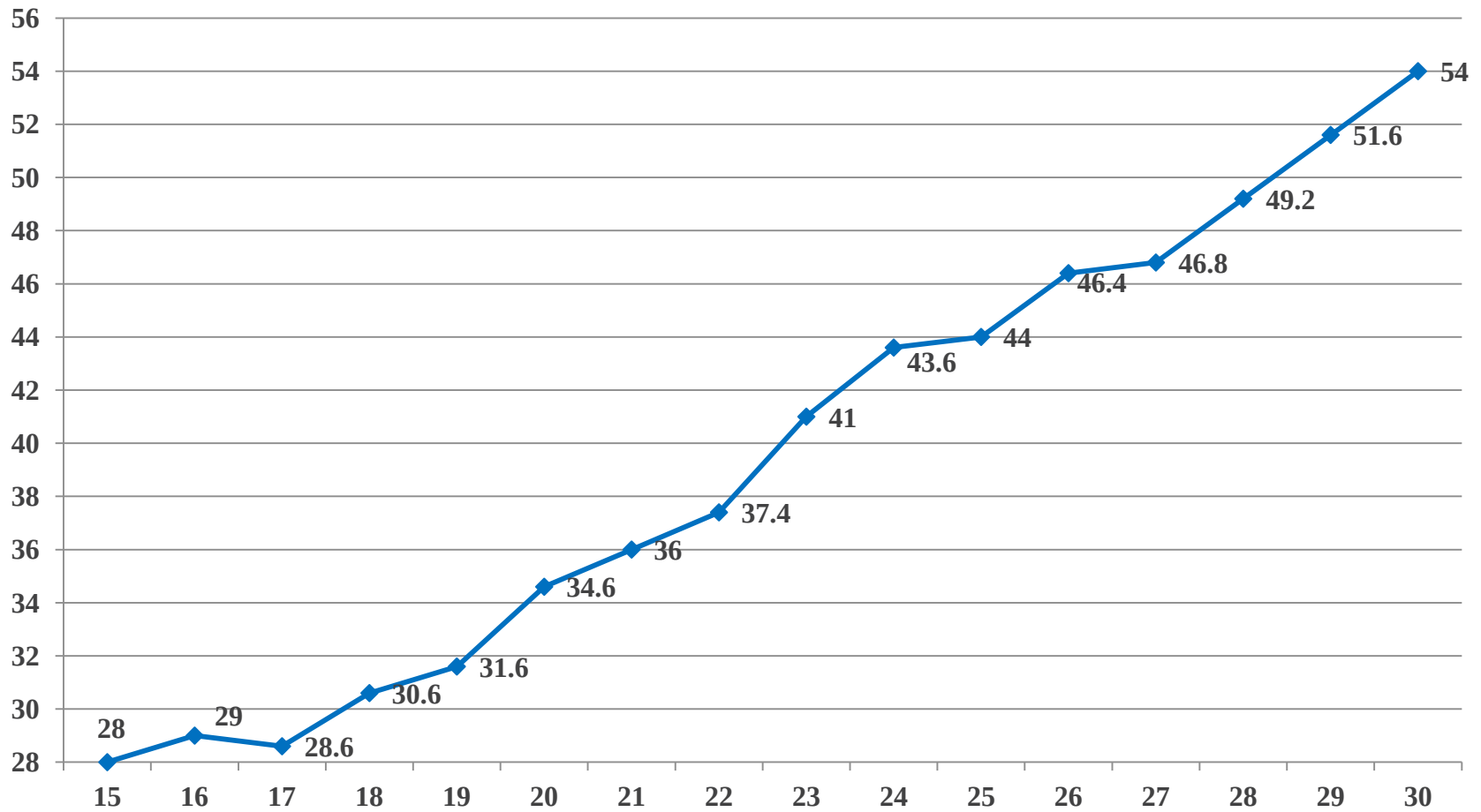
Scale of Russian power industry development

2010 → 2030

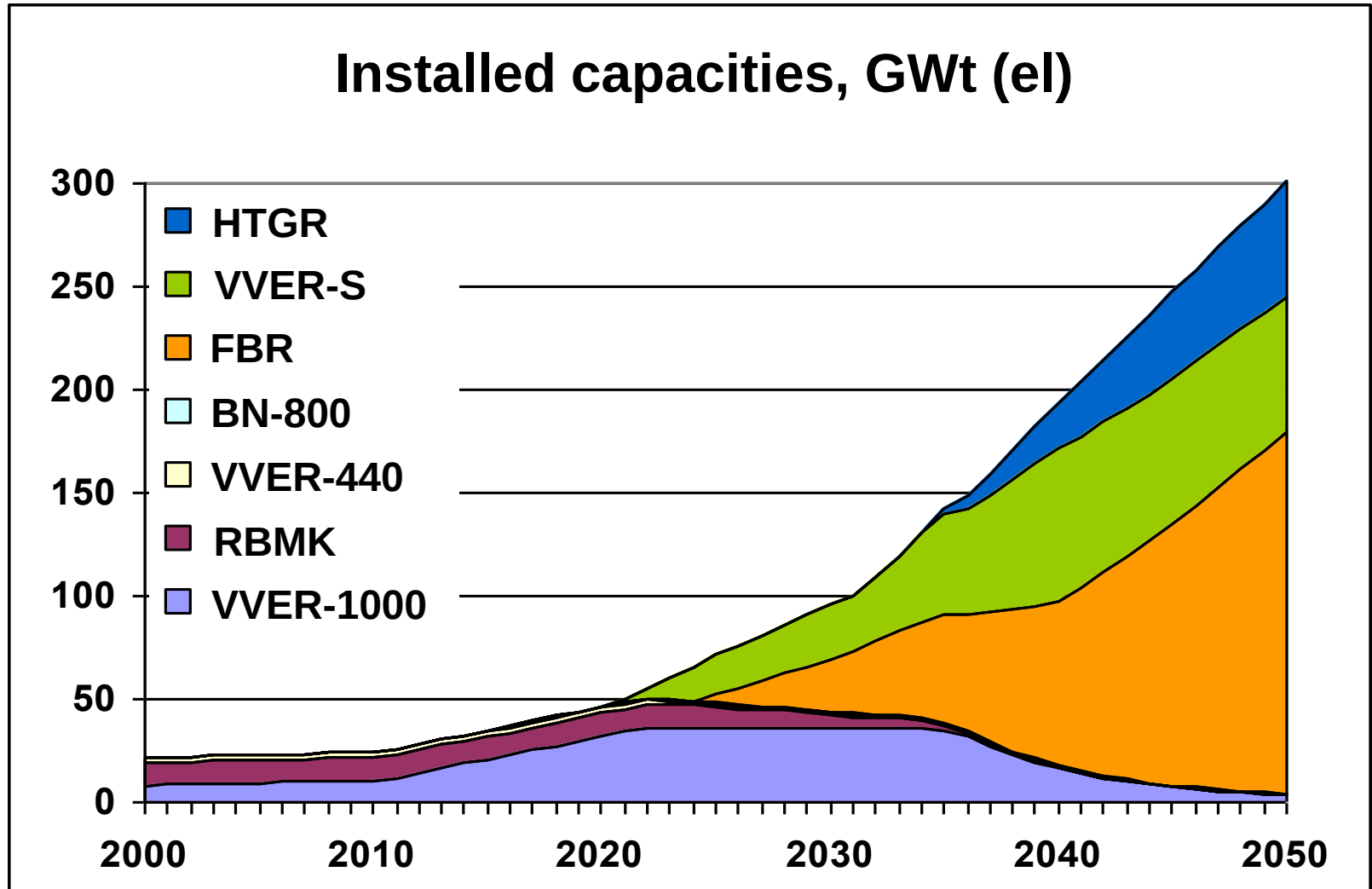
1037 bill. kWt hour → 1700 ÷ 2100 bill. kWt hour



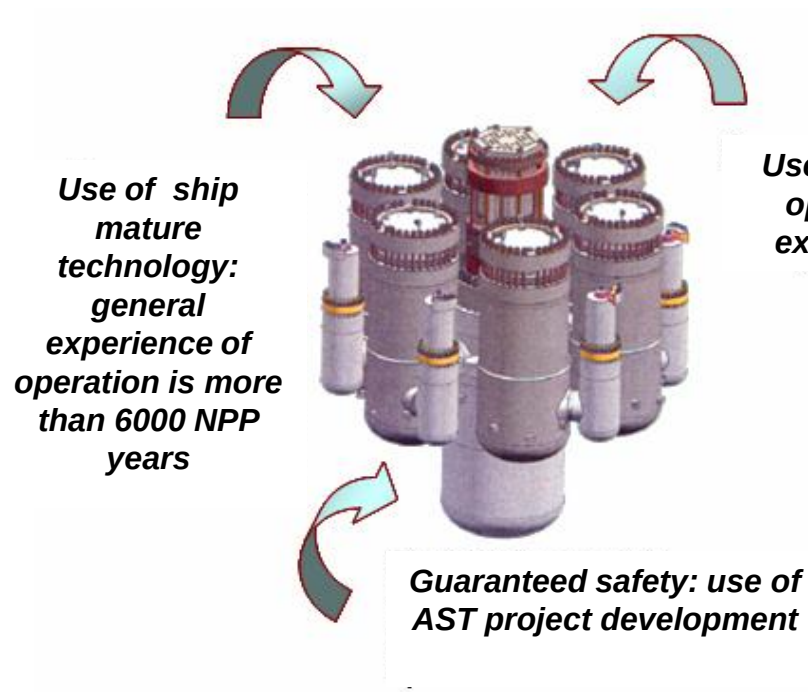
Programme of NE capacity growth till 2030 in Russia



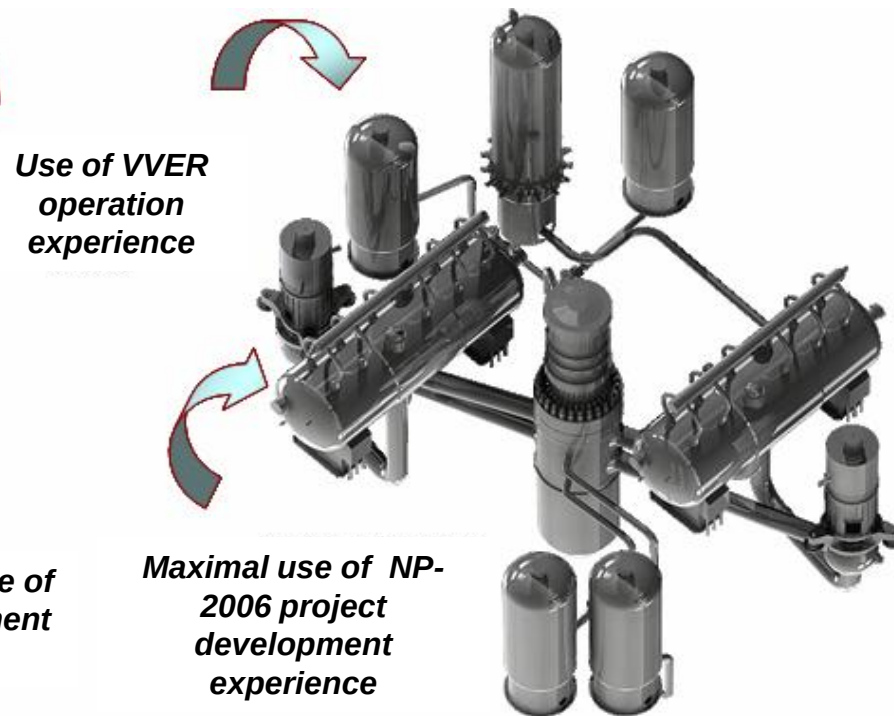
**Preferable scenario of NE development till mid-century
(taking account capacities installed abroad)**



VVER of medium power

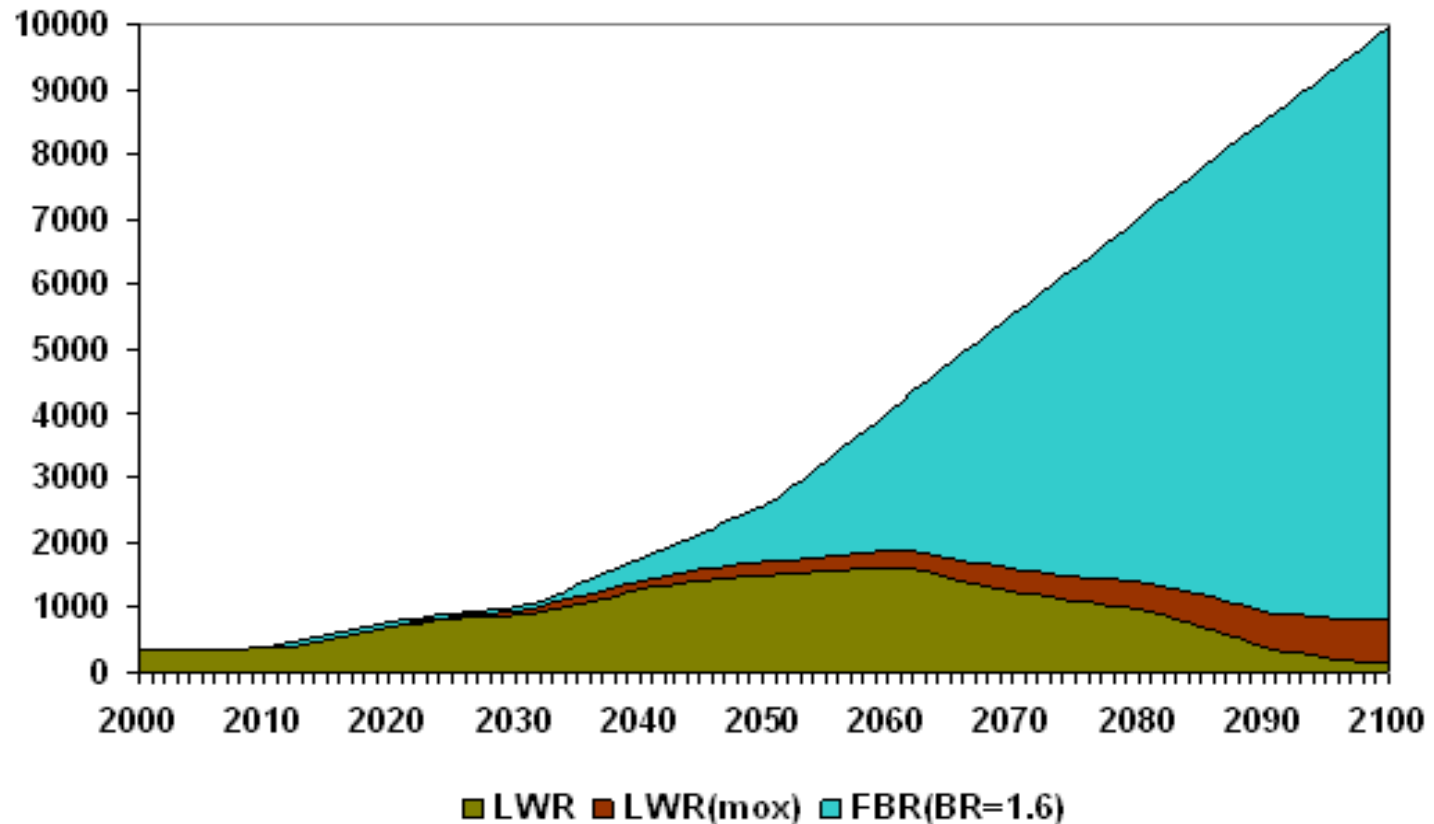


VBER-600 (OKBM)



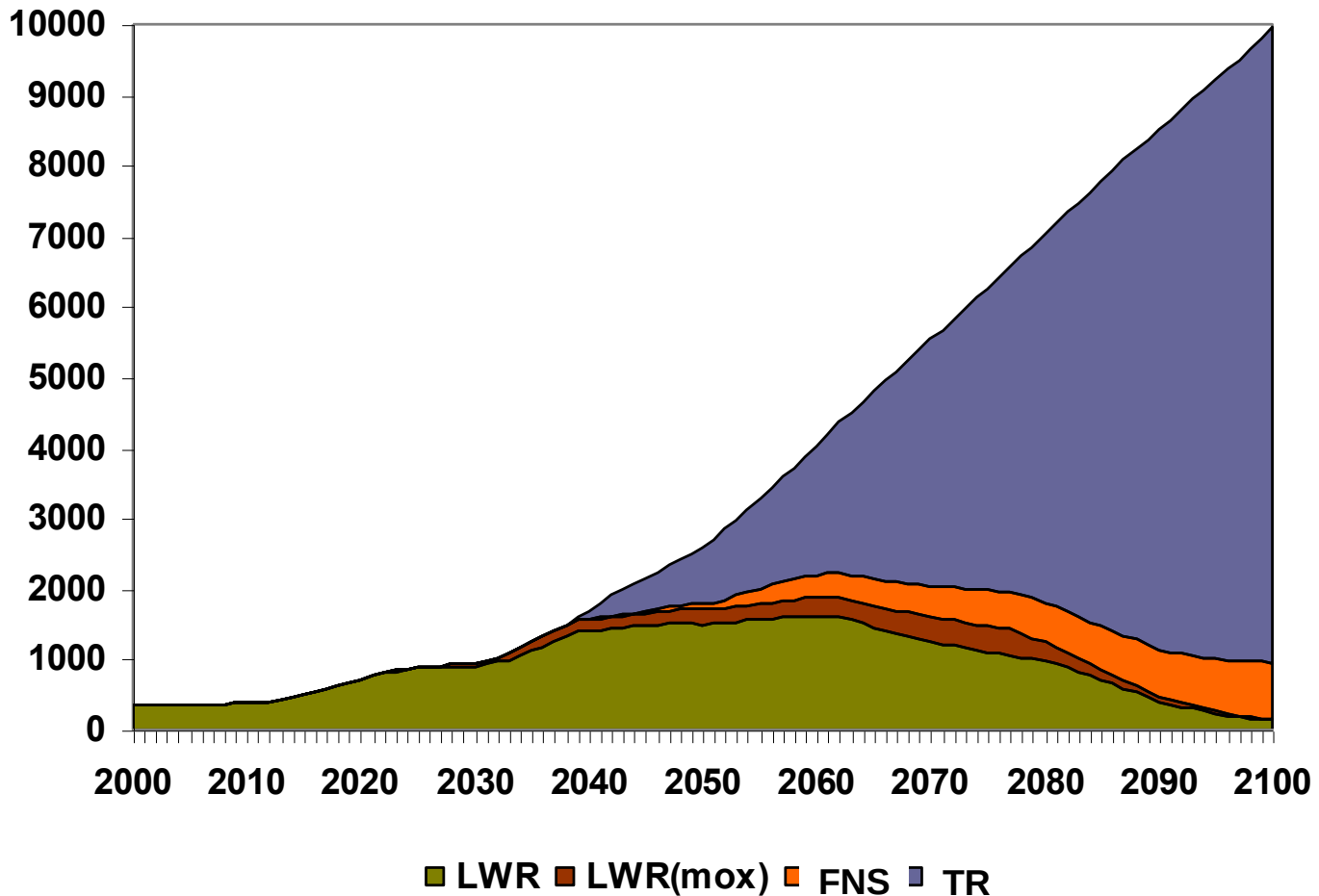
VVER-600 (EDO "Gidropress") (NPP-2006)

World nuclear energy development prognosis till the end of the century (high growth rate)

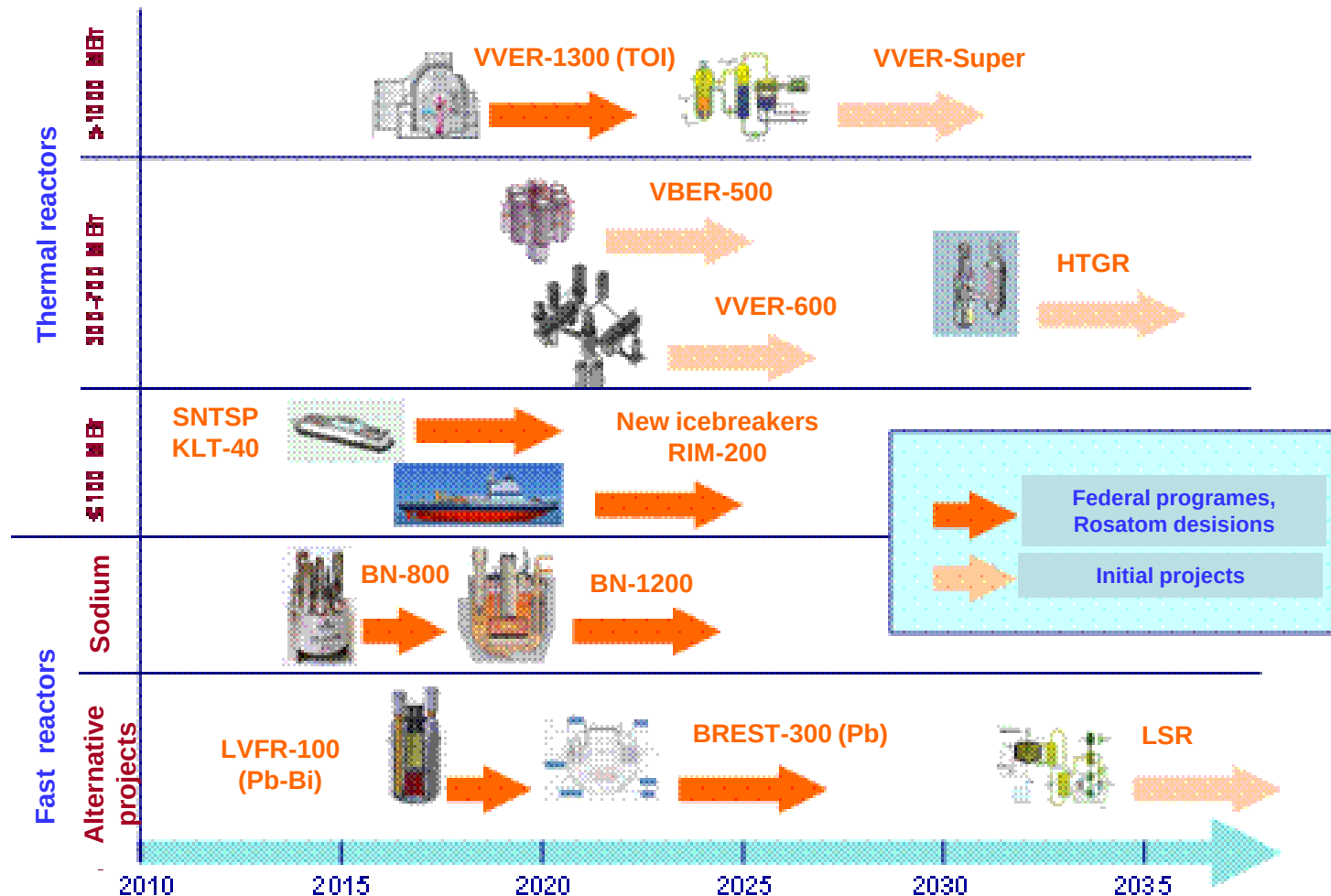


Till the end of the century nuclear energy will cover about 35% of primary energy needs

World nuclear energy development till the end of the century taking account fusion neutron source



Road map of nuclear technologies development



Thank you for your attention