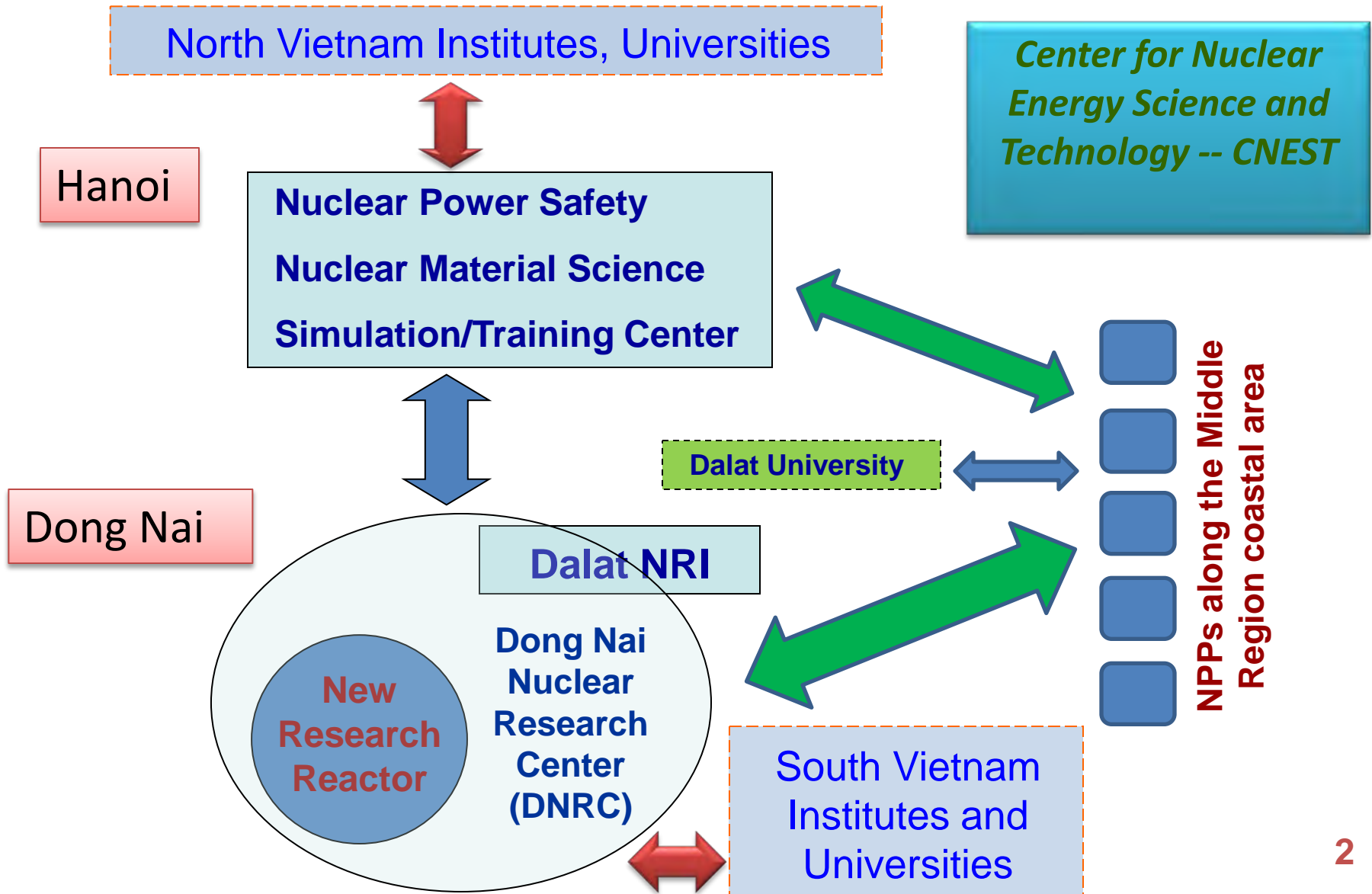


**The Center for Nuclear Energy
Science and Technology
CNEST**

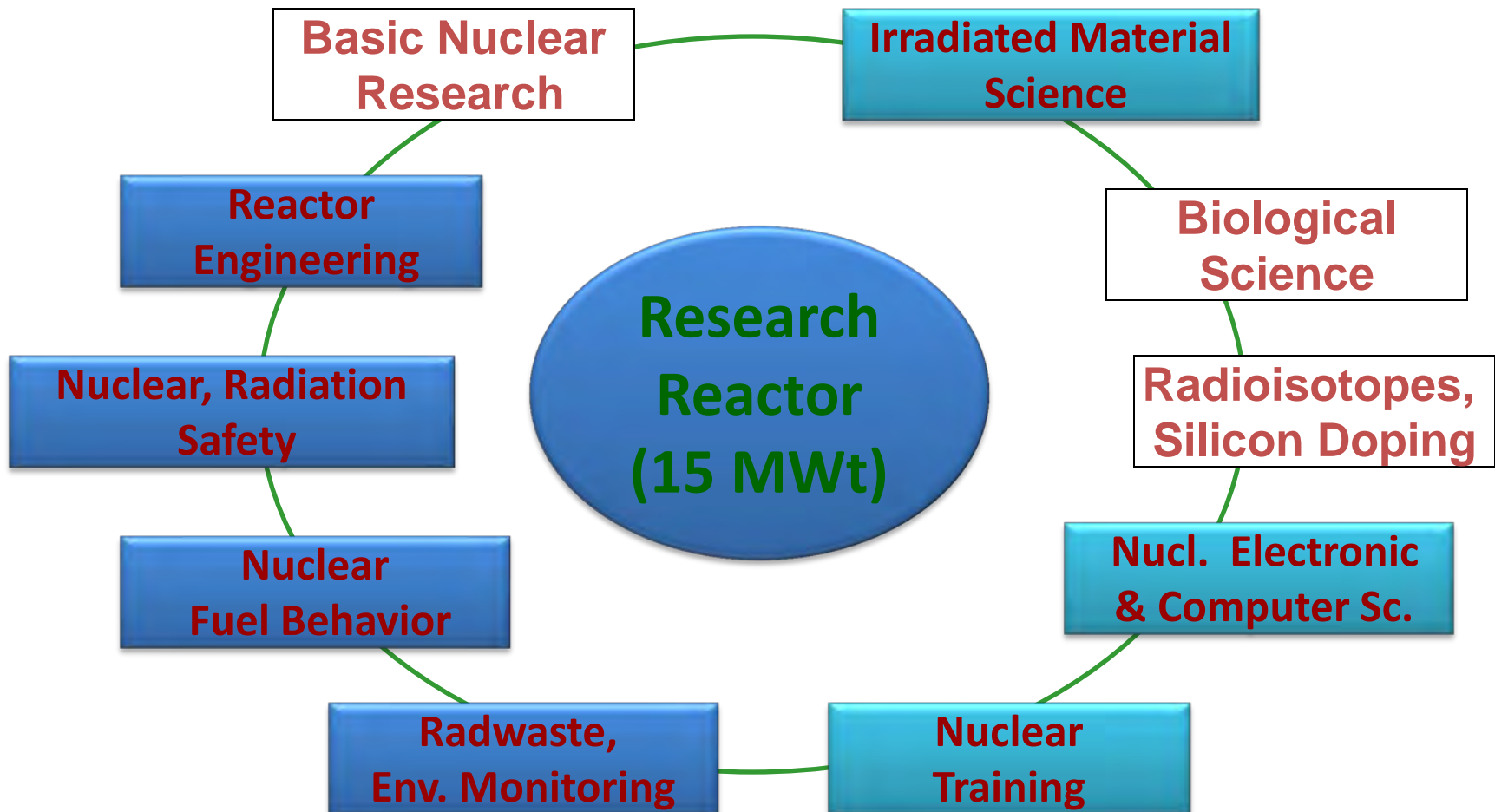
A. The Center for Nuclear Energy Science and Technology (CNEST)



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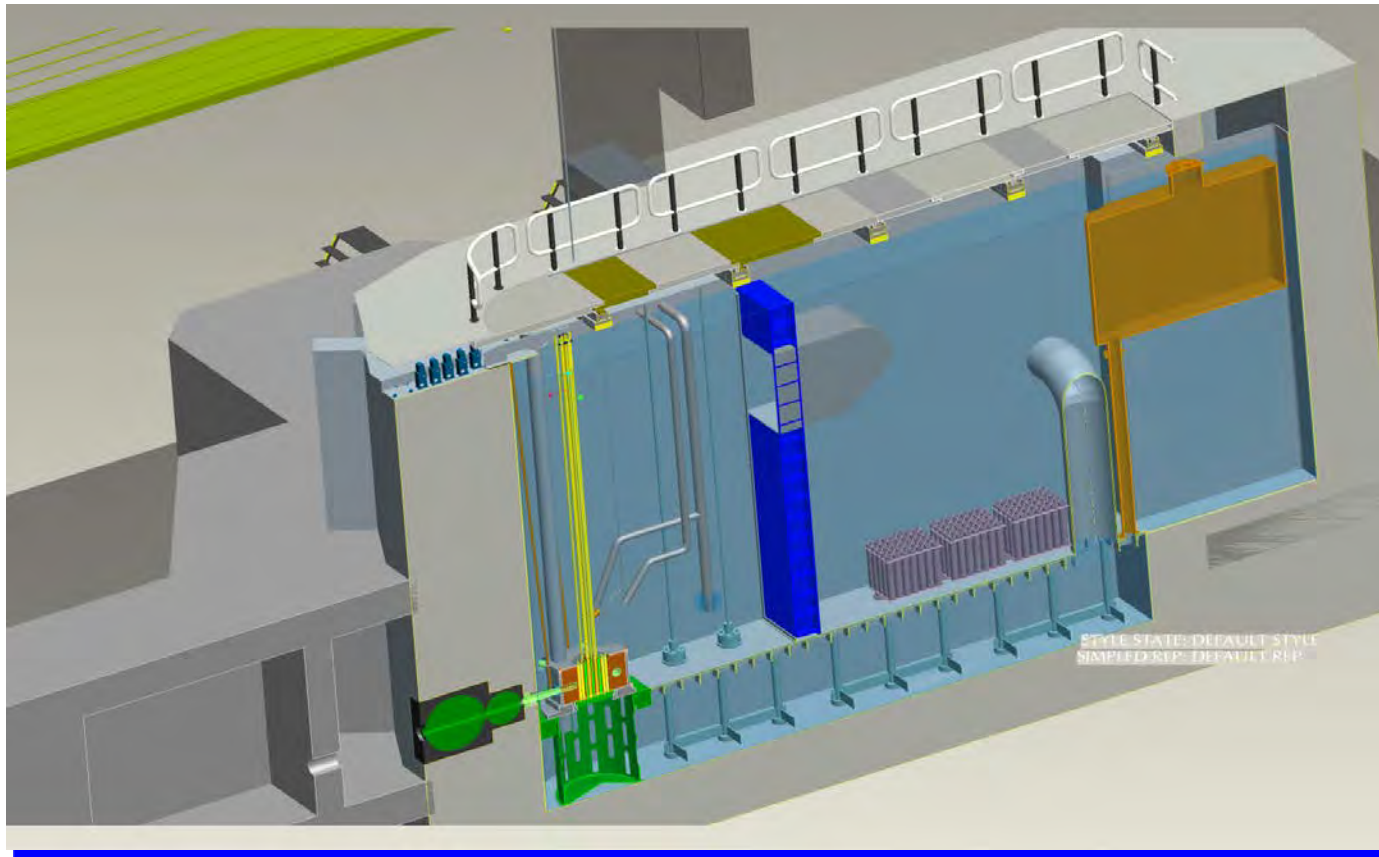
Research orientation with the new RR

Red – related to nuclear power



A. The Center for Nuclear Energy Science and Technology (CNEST)

Design of the new RR



- ❑ Capacity – (10...15) MWt
- ❑ Fuel – U-Al (19.7%)
- ❑ Neutron flux – up to 5×10^{14} (neutron/cm²s)

The Center for Nuclear Energy Science and Technology (CNEST)

Arrangement of the CNEST with the RR (South)



B. Risk and Safety Study Center – RSSC (North CNEST)

- 1) The RSSC is the North Component of the CNEST (Hanoi)
- 2) RSSC is a group of leading experts who are doing research and analysis (deterministic and probabilistic) relevant to risk and safety for nuclear and civil projects
- 3) The RSSC brings approaches, methods and tools applied in nuclear power field (IAEA) to other sectors (industrial facilities such as chemical, oil refinery factories, thermal power plants etc.)
- 4) Human resources for the RSSC: leading experts in nuclear power safety (to train new engineers from Russia)
- 5) Cooperation: Russian IBRAE, leading research institutes in the world

Thank you!