

NESTet
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NUCLEAR EDUCATION AND TRAINING



CROSS TRAINING AS BASIS FOR 3S SYNERGY IMPLEMENTATION

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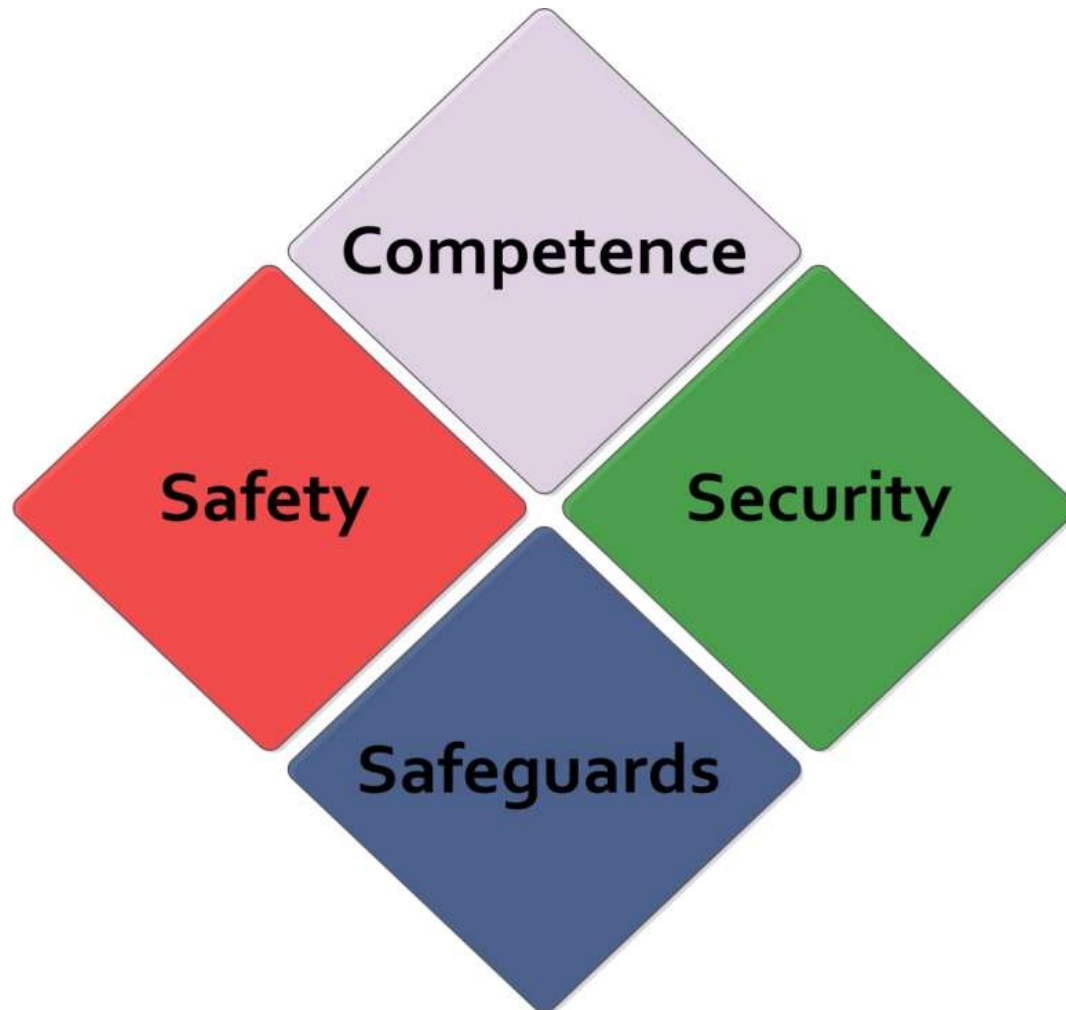
Berlin-2016

Relevance

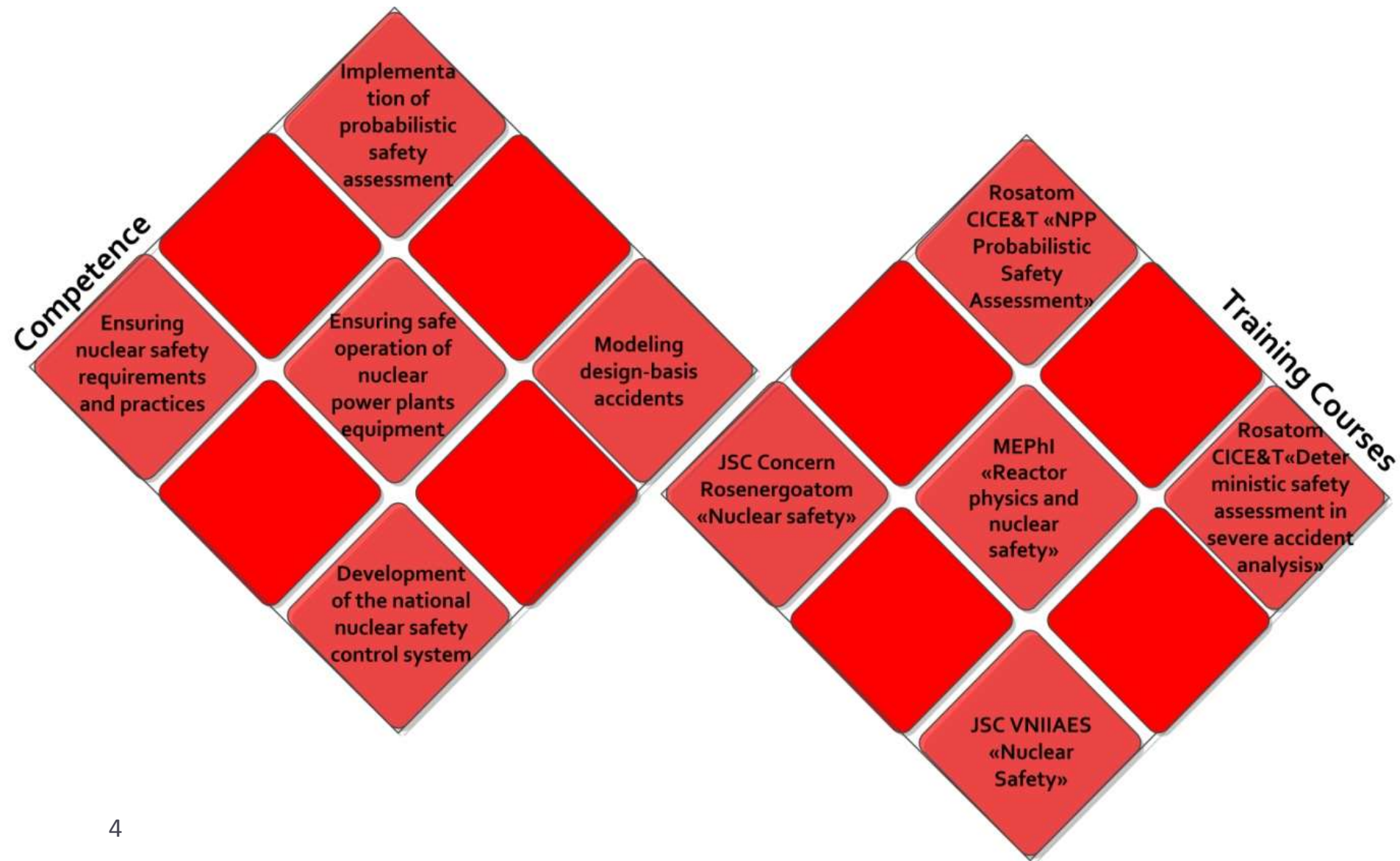
The IAEA offers a resource-efficient approach to ensure the safe use of nuclear energy

- ▶ Summit G8, Chitose, Japan, 2008;
- ▶ Nuclear Security Summit in Seoul, South Korea, 2012;
- ▶ ESARDA conferences.

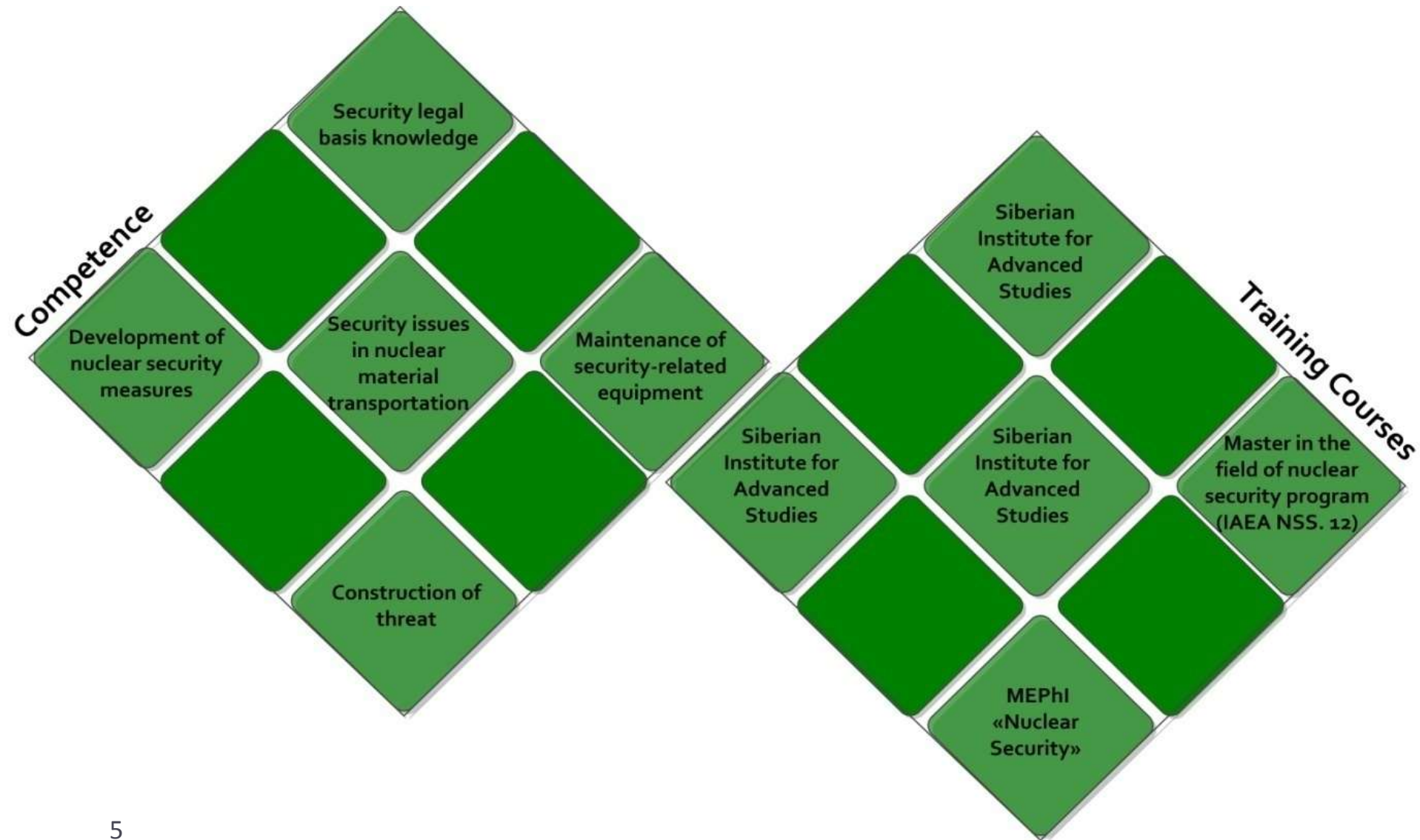
Competence map



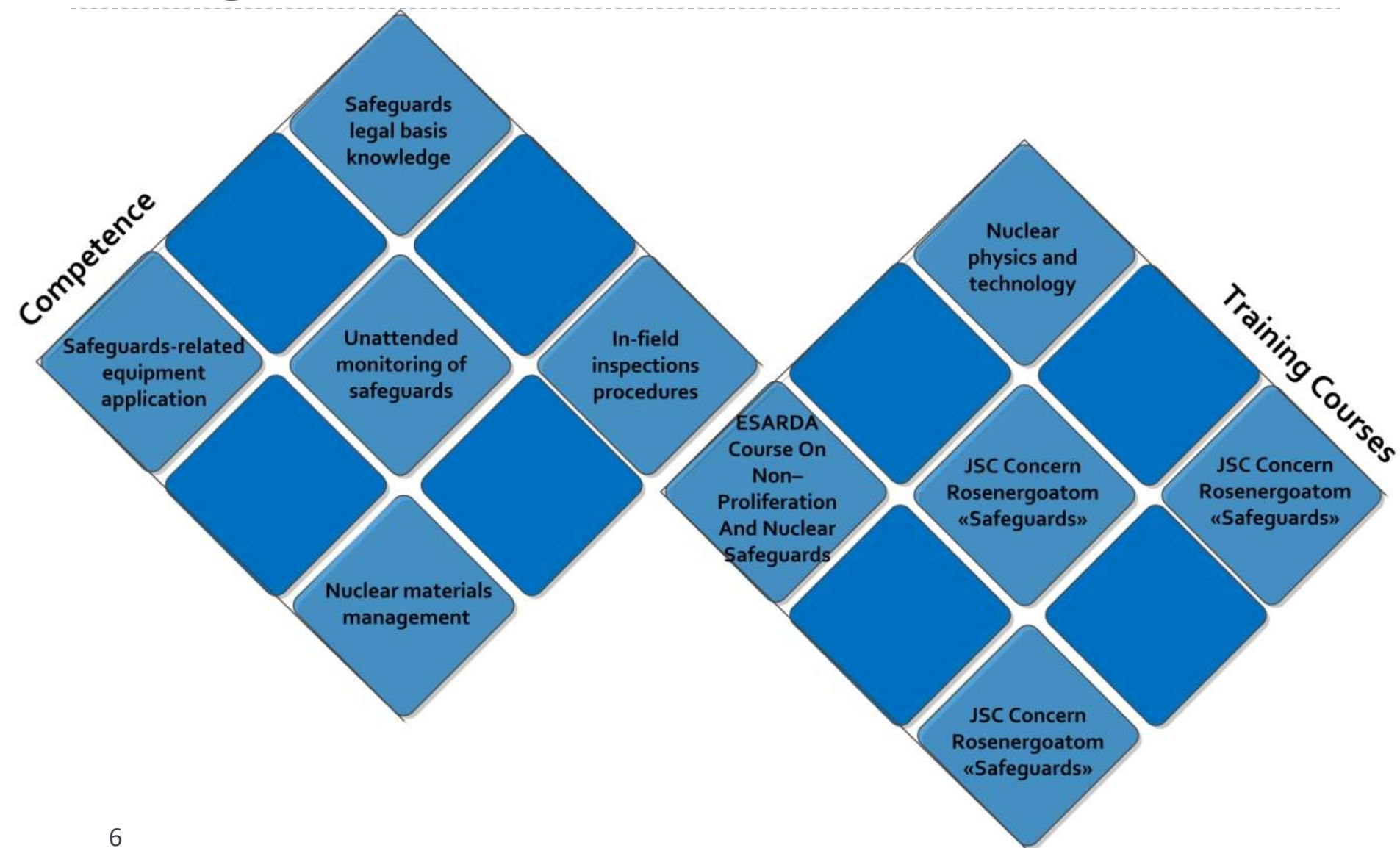
Safety

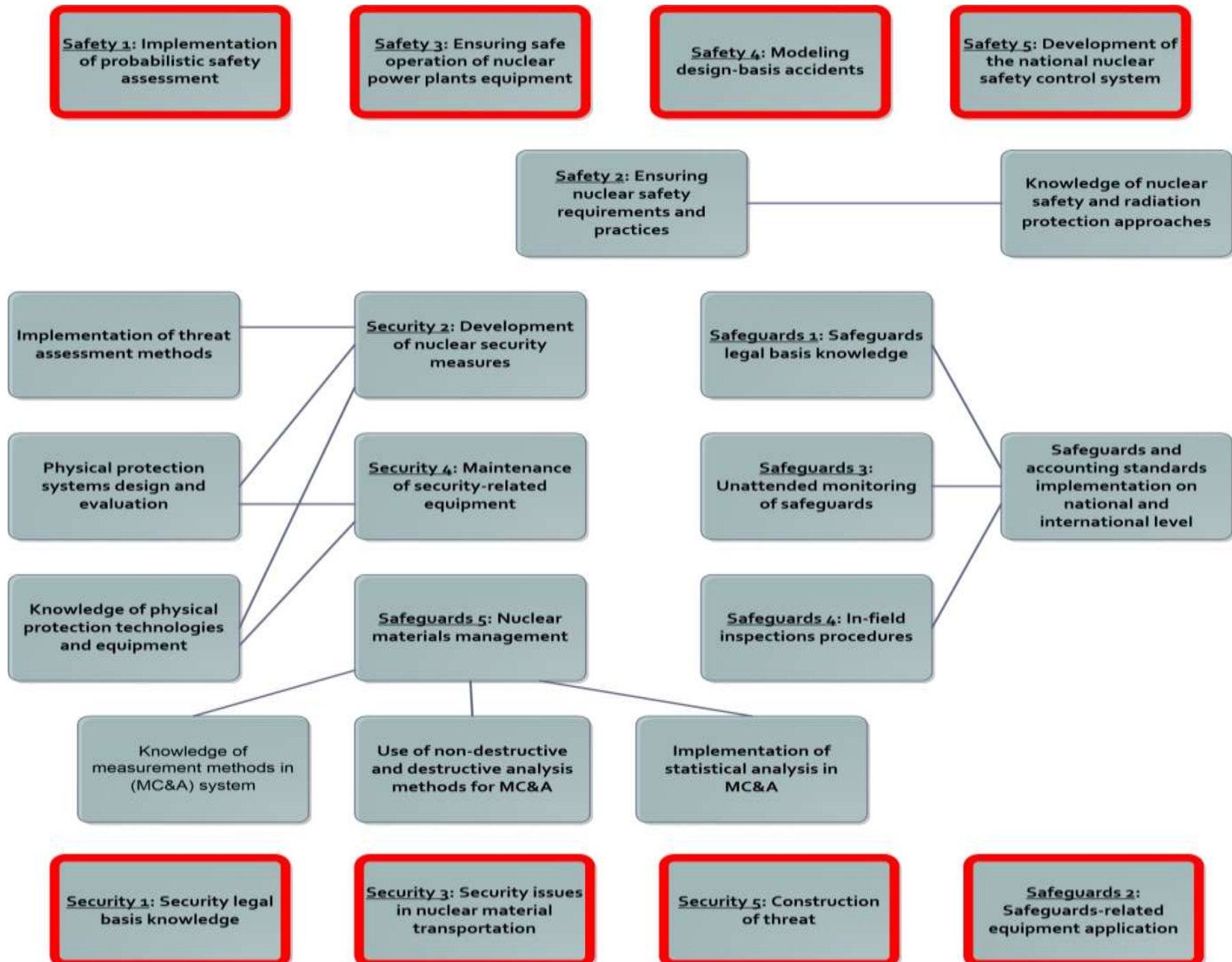


Security



Safeguards





Roadmap for training specialists

Synergy

- Rosatom Central Institute for Continuous Education and Training "Security and physical protection of NPPS and the relationship with safety and safeguards"

Safety

- Rosatom Central Institute for Continuous Education and Training "Deterministic safety assessment in severe accident analysis"
- National Research Nuclear University MEPhI "Reactor physics and nuclear safety"
- JSC VNIIAES "Nuclear safety"

Security

- National Research Nuclear University MEPhI "Nuclear Security"

Safeguards

- ESARDA Course on Non-Proliferation and Nuclear Safeguards

Conclusion

- ▶ Implementation of 3S principle requiring an experts, that are competent in the related fields.
- ▶ Competence map and training courses which will address topics on nuclear safety, security and safeguards has been overviewed.
- ▶ These courses could not offer a comprehensive set of competencies needed for synergy principle implementation therefore, the 3S expert preparation roadmap was developed.
- ▶ The competence map analysis has shown that offered safety courses are rather narrow-aimed and it would make sense to make a more general course that will cover all the areas of 3S.

Thanks for your attention!

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