

NUGENIA-TA2:

Severe Accident Research within the NUGENIA Pillar

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SNETP Partners



SNETP Articulation



SNETP Pillars



Coordination Board

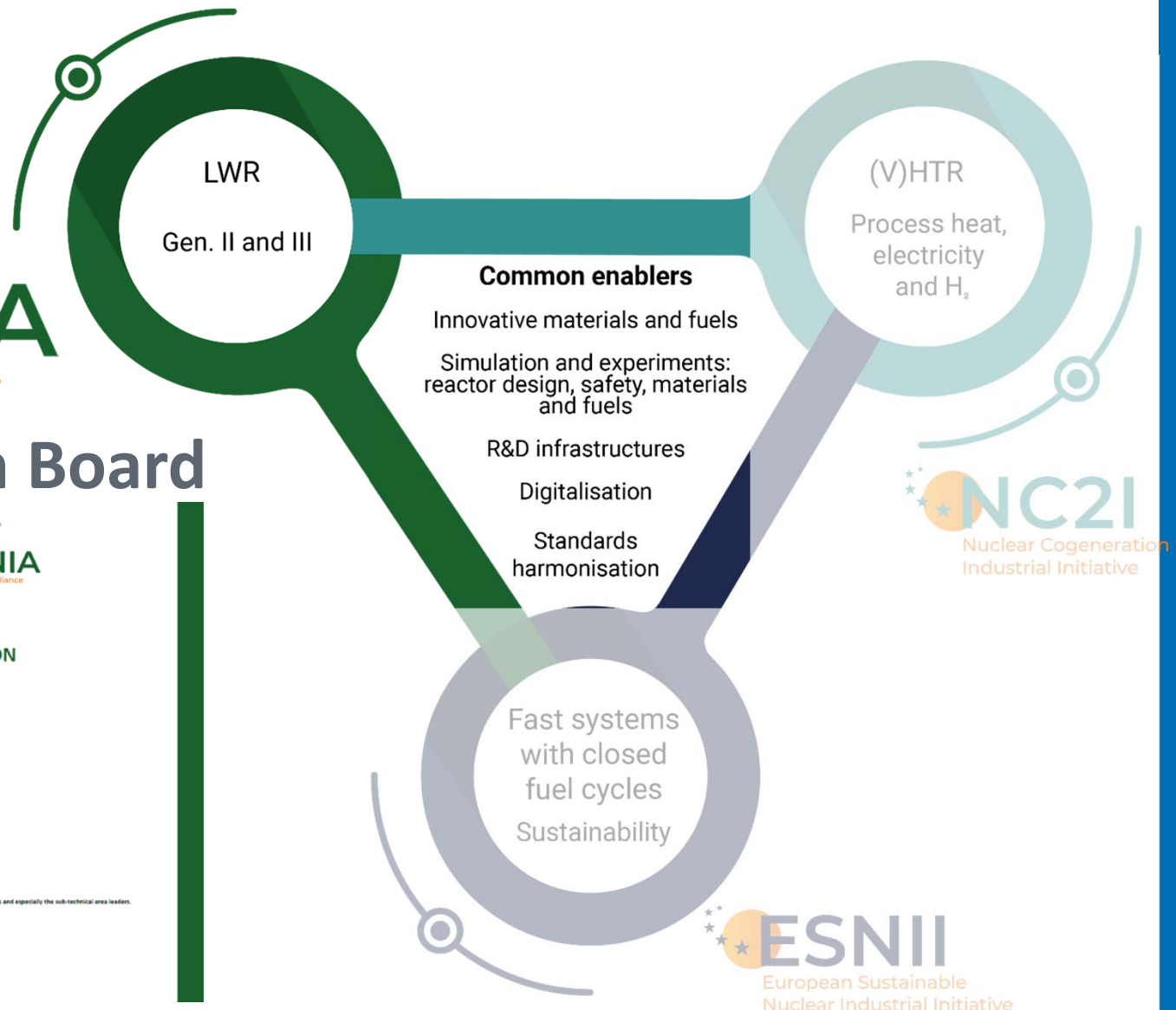


NUGENIA VISION

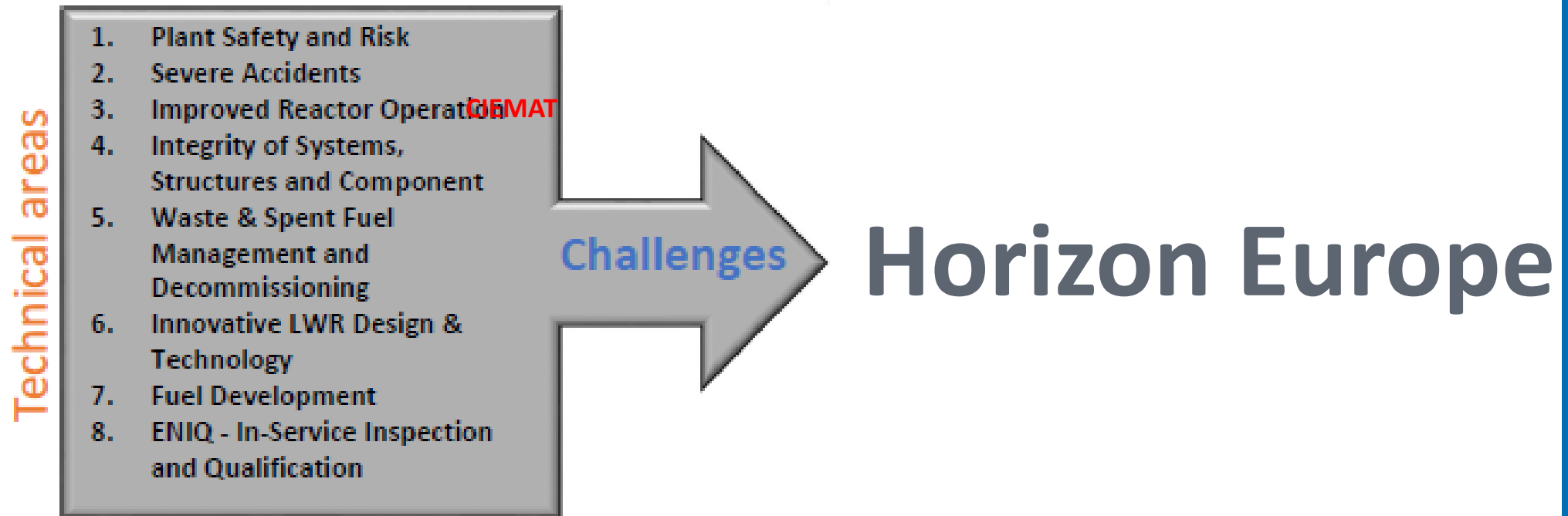
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With the contribution of all NUGENIA members and especially the sub-technical area leaders.



NUGENIA Projects in preparation



OBJECTIVES

To bring SNETP/NUGENIA/TA2 to the best position to become ready to submit **COMPETITIVE** proposals.

- To discuss ideas already shared in the TA2-2021 General Meeting.
- To help consolidating projects to become **SNETP in-kind** projects.
- To pave the path for consistent proposals from **TA2** to **H-EUROPE**.

PRELIMINARY PROJECT IDEAS

ACRONYM	Objective	Proposer(s)
SARSFP	Development a methodology for investigation of severe accident progression simultaneously in a nuclear reactor and spent fuel pool.	LEI/SSTC NRS
SASFPE2	Investigation of consequences of external events for the spent nuclear fuel during intermediate wet and dry storage (including transportation).	LEI/SSTC NRS
CSiSA	Investigations on caesium source term in severe accidents: Microparticles Formation	VTT/CEA
SAS	Building a severe accident simulator based on machine learning	IRSN
HDECB2	Harmonizarion of DEC-B boundaries definition	BELV/NINE
SEAKNOT	Severe Accident KNOwledge Transfer to young generations	UNIPi/CIEMAT
SAINET	Severe Accident Infrastructures NETwork	B-T/CEA
SASPAM	Safety Analysis of SMRs with PASSive Mitigation strategies	SASPAM
SALTM-RCCS	Ensuring long term cooling by improving tools, guidelines & practices	IRSN

FINAL PROJECT IDEAS

ACRONYM	Objective	Proposer(s)
ASSAS	Artificial intelligence for the Simulation of Severe AccidentS	IRSN
SEAKNOT	Severe Accident KNOWledge Transfer to young generations	CIEMAT
SASPAM	Safety Analysis of SMRs with PAssive Mitigation strategies	SASPAM

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