GO-VIKING

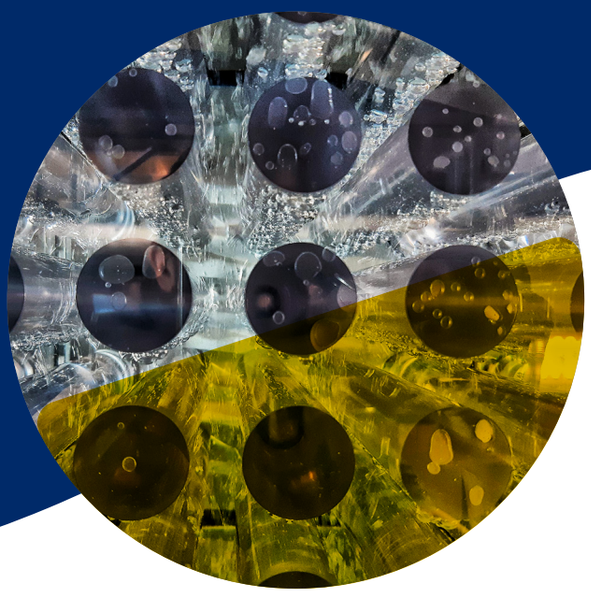
The GO-VIKING project

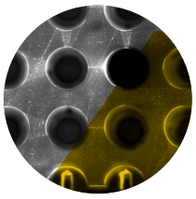
From small vibrations to big breakthroughs in nuclear safety

Improving the safety of contemporary reactors and evaluating new designs, as well as disseminating knowledge among nowadays and upcoming stakeholders, academics, and professionals in the field of flow-induced vibrations.

OUR IMPACT

As nuclear power plants in Europe are ageing, extending their lifetime provides the time for a faster transition to a low-carbon energy system.





Flow-induced vibrations are one of the **major causes of failure** in main components of existing nuclear power plants. **Understanding** and **predicting** flow-induced vibration (FIV) phenomena in depth will **assure safe operation** of the existing plants in **long-term operation programs.**

GO-VIKING aims to contribute to nuclear safety through **six key objectives**:

- **Improving current plant operation and availability**
- **Enhancing plant safety and reducing exposure**
- **Developing accurate and efficient tools and methods**
- **Increasing structural integrity of key plant components**
- **Designing and deploying innovative nuclear facilities**
- **Networking between academia and industry, and building a community**

OUR STRUCTURE

The project brings together expertise from research, academia, industry, and technical safety organisations (TSOs) to **gather** and **improve good practices** and **develop accurate simulation methods** that will support the prediction and evaluation of **FIV phenomena** in power plants by EU stakeholders, as well as their decision-making on appropriate **FIV countermeasures** in power plants.

The **involvement of our partners and stakeholders** through a multistep research structure (see fig. 1) allows the latest results and knowledge to be **integrated in the project** and exploited in active research and production facilities.

PROJECT WORK PACKAGES

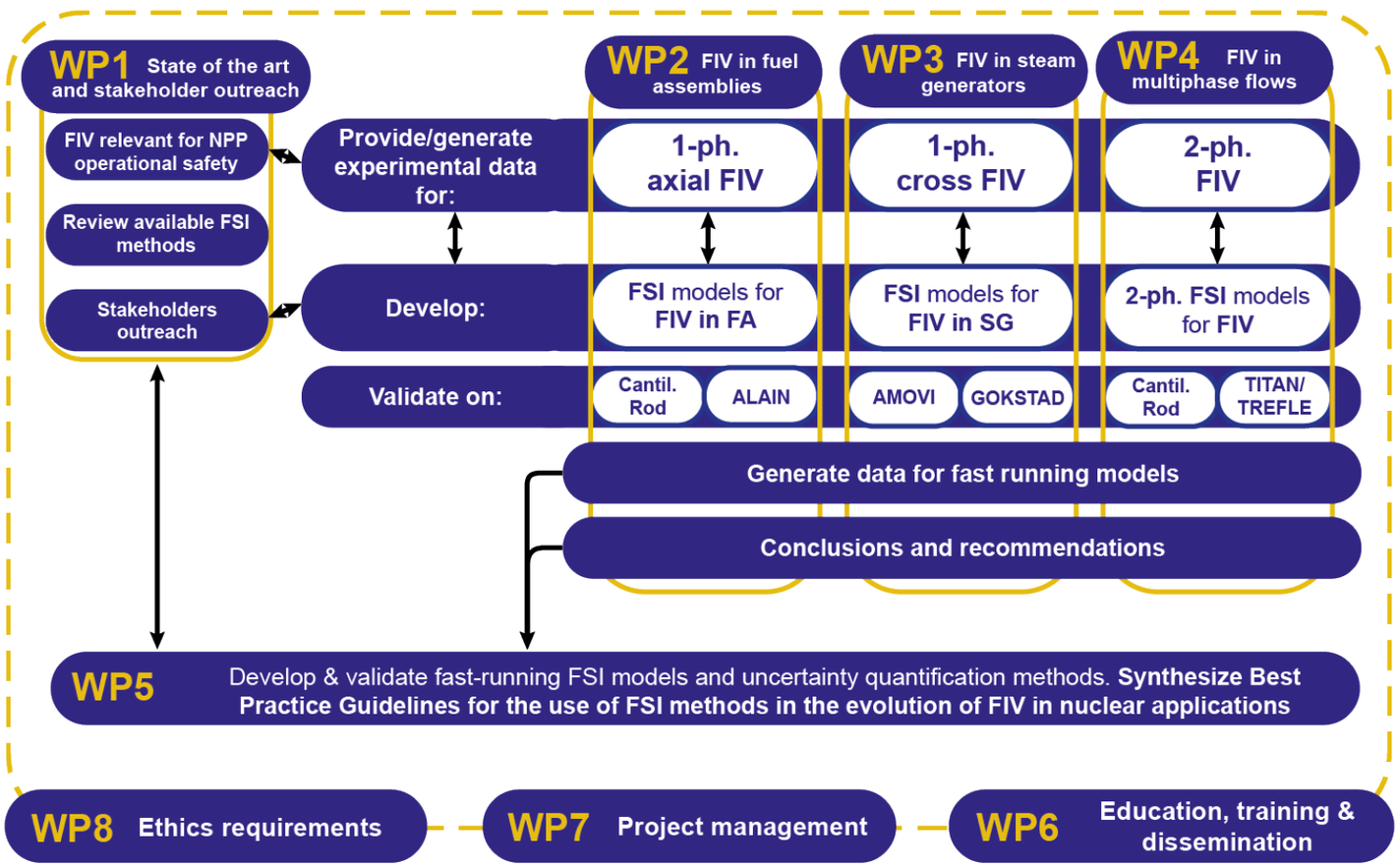


Fig. 1

For more info visit www.go-viking.eu/workpackages

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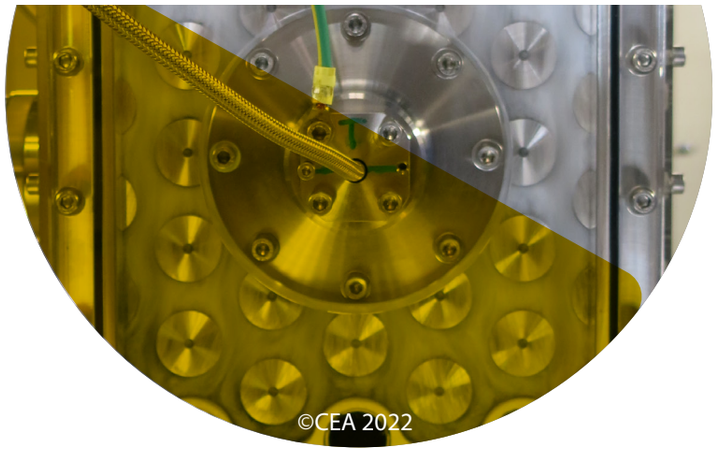

Coordination

Coordinators: Dr. Angel Papukchiev, GRS, and Kevin Zwijsen, NRG.
The GO-VIKING project is **coordinated by GRS, a non-profit organisation.** It is financed mainly by carrying out **publicly funded research projects** and by providing expert opinions.

Partners

*EDF UK R&D

CONTACT US

GO-VIKING is continuously generating new results. Stay up to date by subscribing to our newsletter or follow us on LinkedIn and Twitter for our latest updates!

Website: www.go-viking.eu

Twitter: @GOVIKING_EU

Mail: contact@go-viking.eu

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