

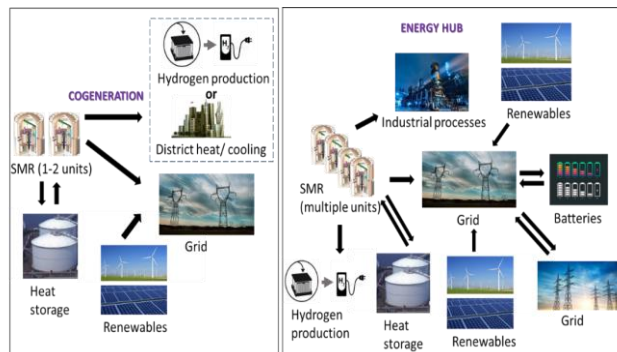
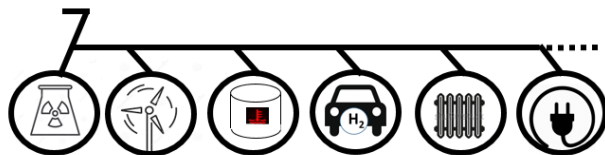
Small Modular Reactor for a European safe and Decarbonized Energy Mix

...a project about about the integration of SMRs into carbon-free hybrid energy systems

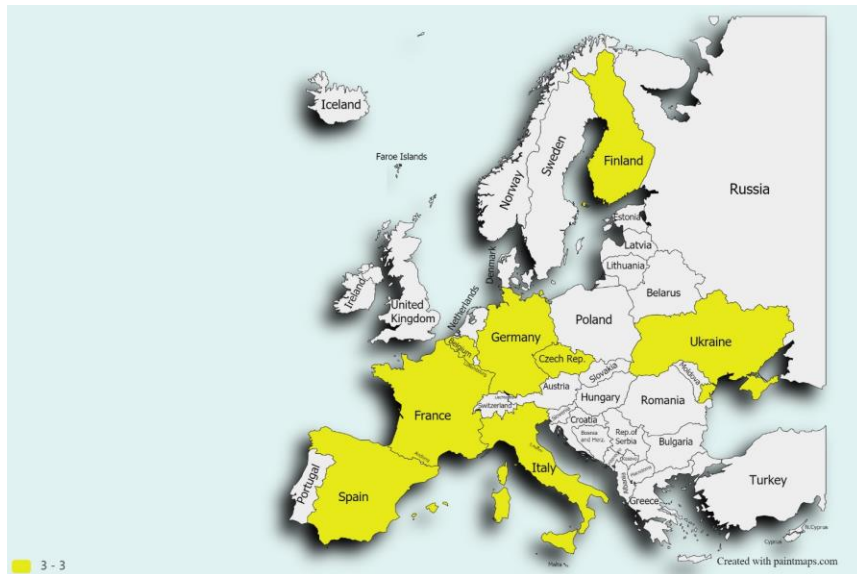
High-level objectives:

- Assess the safety compliance of SMRs to be integrated in the future European energy mix
- Provide guidance in a deployment perspective for future integration of SMRs and AMRs into well-balanced hybrid energy systems
- Foster enabling environment for development of hybrid energy systems based on SMRs and AMRs

Ambition of TANDEM: to become a pioneer initiative in gathering efforts and expertise around development of SMRs integration into hybrid systems



- ❑ Call topic: NRT01-02 « Safety of advanced and innovative nuclear designs and fuels »
- ❑ Type of funding scheme: RIA (Research and Innovation Action)
- ❑ Duration of the project: 36 months
- ❑ Project start: September 1, 2022
- ❑ Budget: 3.6M€ (including EC grant: 3.3M€)
- ❑ Organization leading the project initiative: CEA
(coordination: claire.vaglio-gaudard@cea.fr)



16 European partners
from 8 countries

Belgium: ENGIE-TRACTEBEL, EC-JRC,
FORATOM, ENEN

Czech Republic: UJV

Finland: VTT, FORTUM

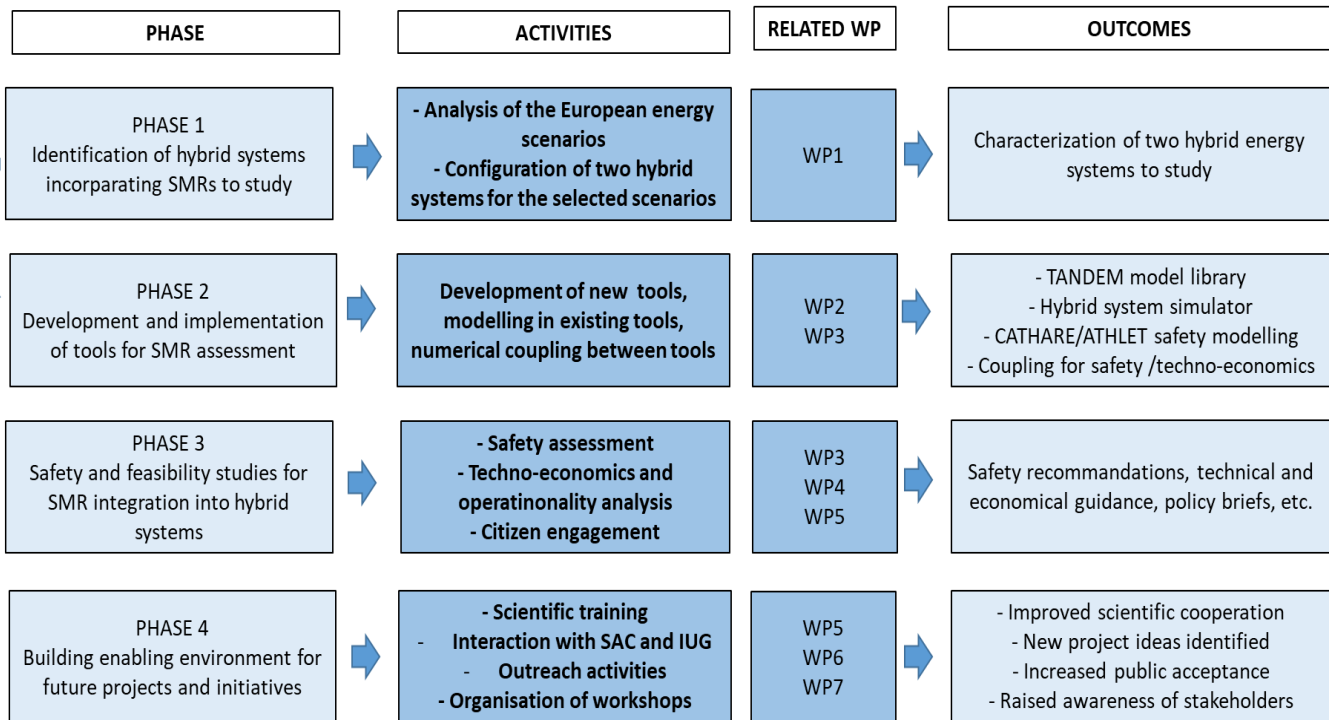
France: EDF, IRSN, CEA

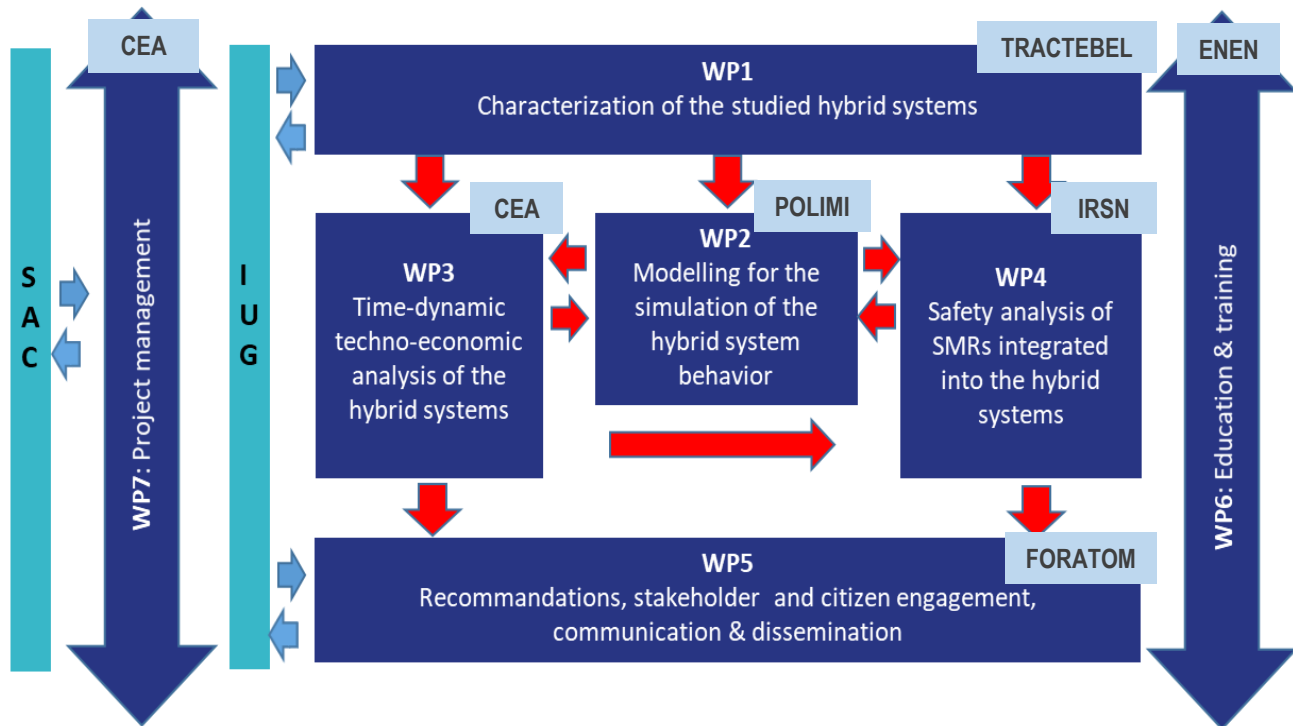
Germany: GRS

Italy: CIRTEN (POLIMI, UNIPI), Ansaldo
Nucleare Energia, ENEA

Spain: Empresarios Agrupados Internacional

Ukraine: Energorisk







**THANK YOU FOR YOUR
ATTENTION**