

# SELECTING YOUR SITES FOR SMR/AMR FACILITIES: A SAFE AND MORE RESILIENT APPROACH

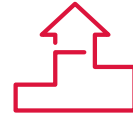
## KEY QUESTIONS



**WHICH LOCATIONS?**



**NETWORK CONNECTIVITY?**



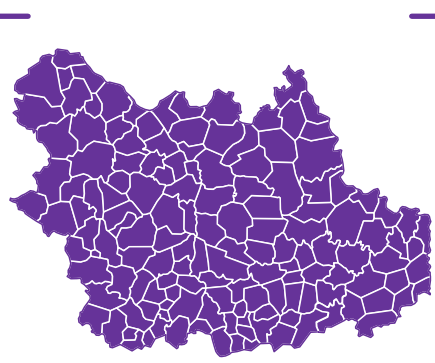
**OPTIMISATION AND RANKING?**

Choosing the ideal site INVOLVES CONSIDERING A LARGE NUMBER OF PARAMETERS

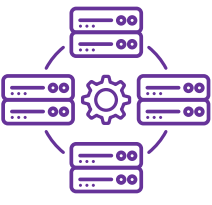
ASSYSTEM SIMPLIFIES THE PROCESS OF SELECTING THE IDEAL SITES FOR YOUR SMALL OR ADVANCED MODULAR REACTORS

BY USING PUBLICLY AVAILABLE DATA, ARTIFICIAL INTELLIGENCE AND MODELLING CAPABILITIES

Select a **TERRITORY** (country...)



### DATA PRE-PROCESSING



**Data sources:**

- Open source data
- Customer data
  - Field data
  - Purchased data

### Select **PARAMETERS**



**TRANSPORT**  
(road, airport, railways, seaports)



**TOPOGRAPHY**  
(elevation, slope)



**WATER SOURCE**



**POPULATION**  
(settlement, density)



**GEOHAZARD**  
(seismic, fault, landslide)



**ENVIRONMENT**  
(protected area, forest, nature reserves)

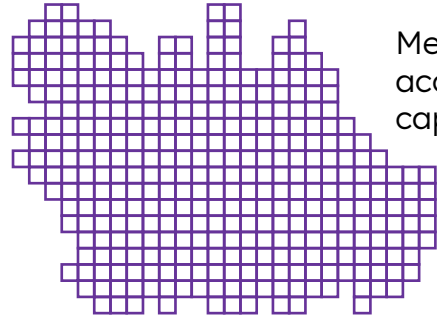


**RESTRICTED AREAS**  
(military)

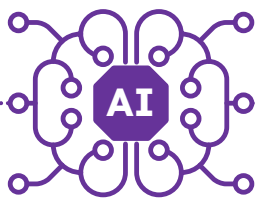
### ARTIFICIAL INTELLIGENCE

**1**

Breakdown the territory through a **MESH**



Mesh size changes according to SMR/AMR capacity

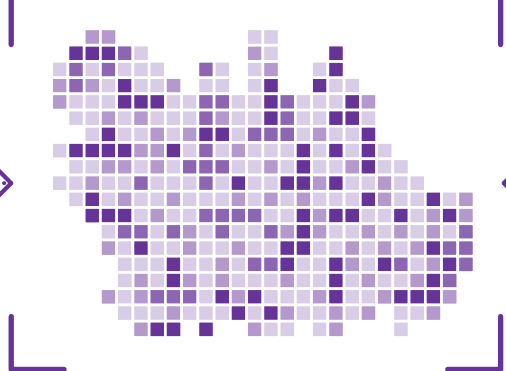


**2**

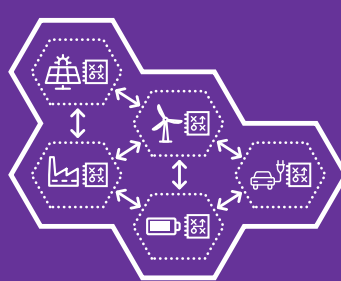
Allocates to each territory a level of **SUITABILITY**



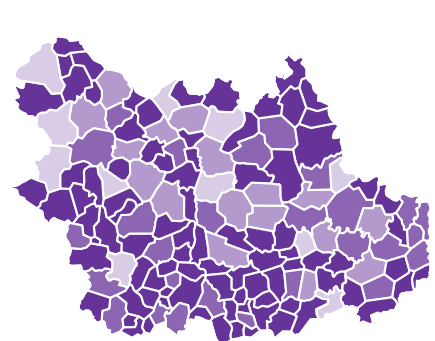
Parameters and weights will be controlled by the user



Assessing the **GRID IMPACT** is essential when selecting a site for SMRs/AMRs



You can **ESTABLISH A RANKING** for each geographical area



Determining the ideal site considering **CLIMATE SIMULATION**



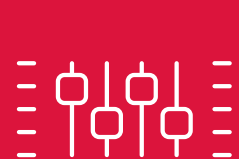
## THIS SOLUTION OFFERS MANY ADVANTAGES



**USER FRIENDLY**



**HOLISTIC APPROACH**



**POSSIBILITY TO CHANGE THE CONSTRAINTS AND PARAMETERS**

## AND GUARANTEES THAT YOUR CHOICE OF SITE WILL BE



**SAFE**



**IN LINE WITH THE ELECTRICAL INFRASTRUCTURE**



**COST EFFECTIVE**



**SUSTAINABLE DEVELOPMENT GOALS COMPLIANT**

SWITCH ON



ENGINEERING & DIGITAL FOR ENERGY TRANSITION