



# MANaging risks and Impacts From Evaporating and gaseous Substances To population Safety

Acronym: **MANIFESTS**

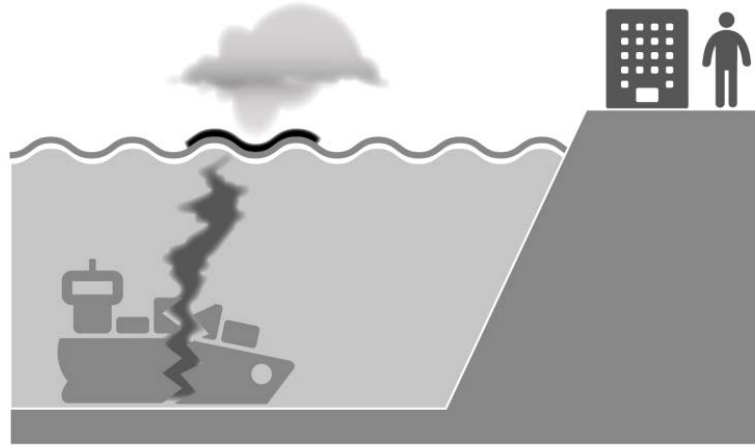
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Événement de clôture du projet WestMOPoCo  
Wednesday 14 April 2021

- Increase in maritime traffic of HNS (> 2000 types of HNS, >200 million tonnes chemicals traded annually by tankers, *source OMI*)
- Greater risk of accidents, pollution at sea



- Gas clouds and releases to air present unique challenges to first responders and communities
- Current response arrangements lack guidance on dealing with airborne releases and decisions around **shelter** or evacuation

HNS modeling tool



Module for gas cloud explosion



HNS database  
HNS Knowledge tool



To develop an operational Decision Support System (DSS) for HNS spills



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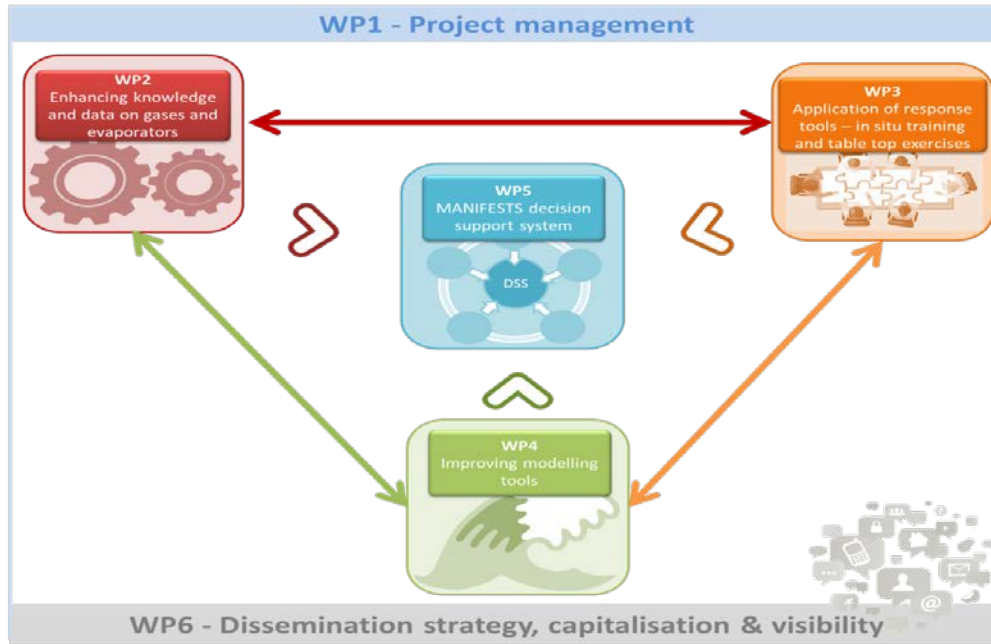
Vulnerability maps



And more...

- Approach a vessel in distress
- Information on sensors
- Training course
- Androide app for field survey

**Questionable by the authorities**





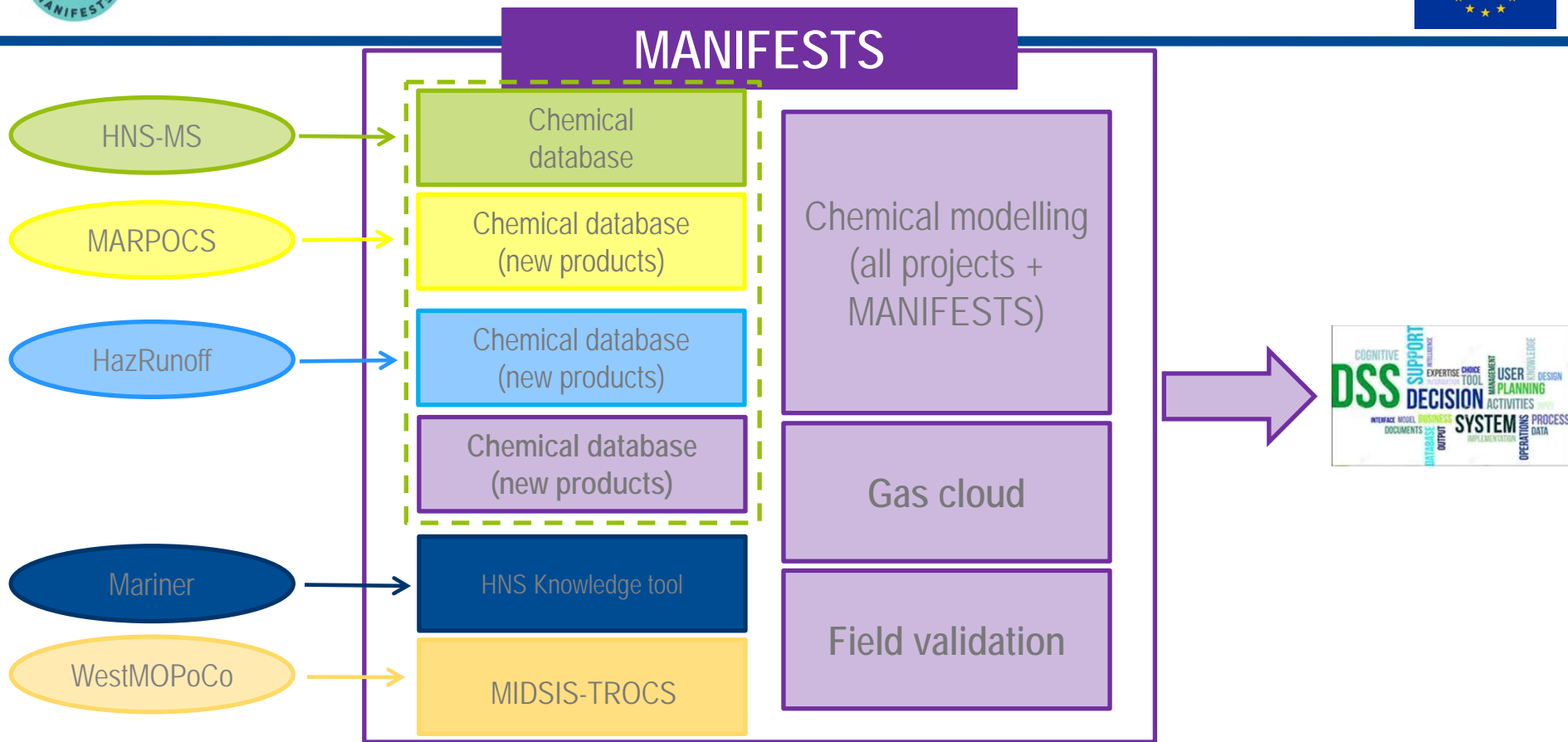
# Duration & Budget



- A 2 year project from 01/01/2021 till 31/12/2022
- Total budget : 1 028 456€ / Total EC contribution : 874 187€ (85%)

**In-kind contributions**, essential (and very significant) contribution in kind by the French and Spanish Navies and French Customs for trials at sea

- French Navy: logistical support, ships (including crews), aircraft (aircrews), equipment to perform chemical releases
- Customs: aircraft (aircrew and remote sensing)



Thank you for your attention

