



Measurement during the application of depollutant mortar (nanoTiO₂)

Coordinator: Tecnalia
Website: www.scaffold.eu-vri.eu Contact: Scaffold@eu-vri.eu
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Problem

MNMs in the construction industry

- cement or concrete products
- coatings or insulation materials
- road-pavement products,
- flame retardant materials or textiles
- ...

Large & increasing use

But **low awareness** among workers and employers

⇒ How to **prevent occupational exposure and risks?**

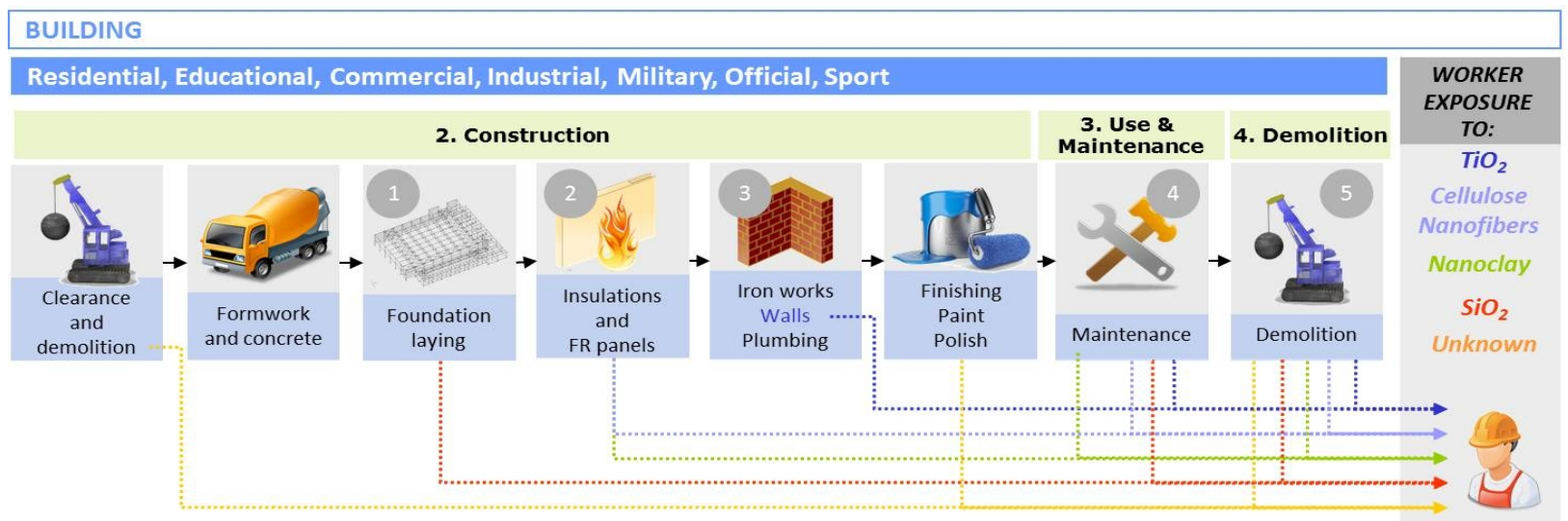
Reference: FIEC, IVAM, EFBWW (2009). Nano-products in the European Construction Industry

Objectives

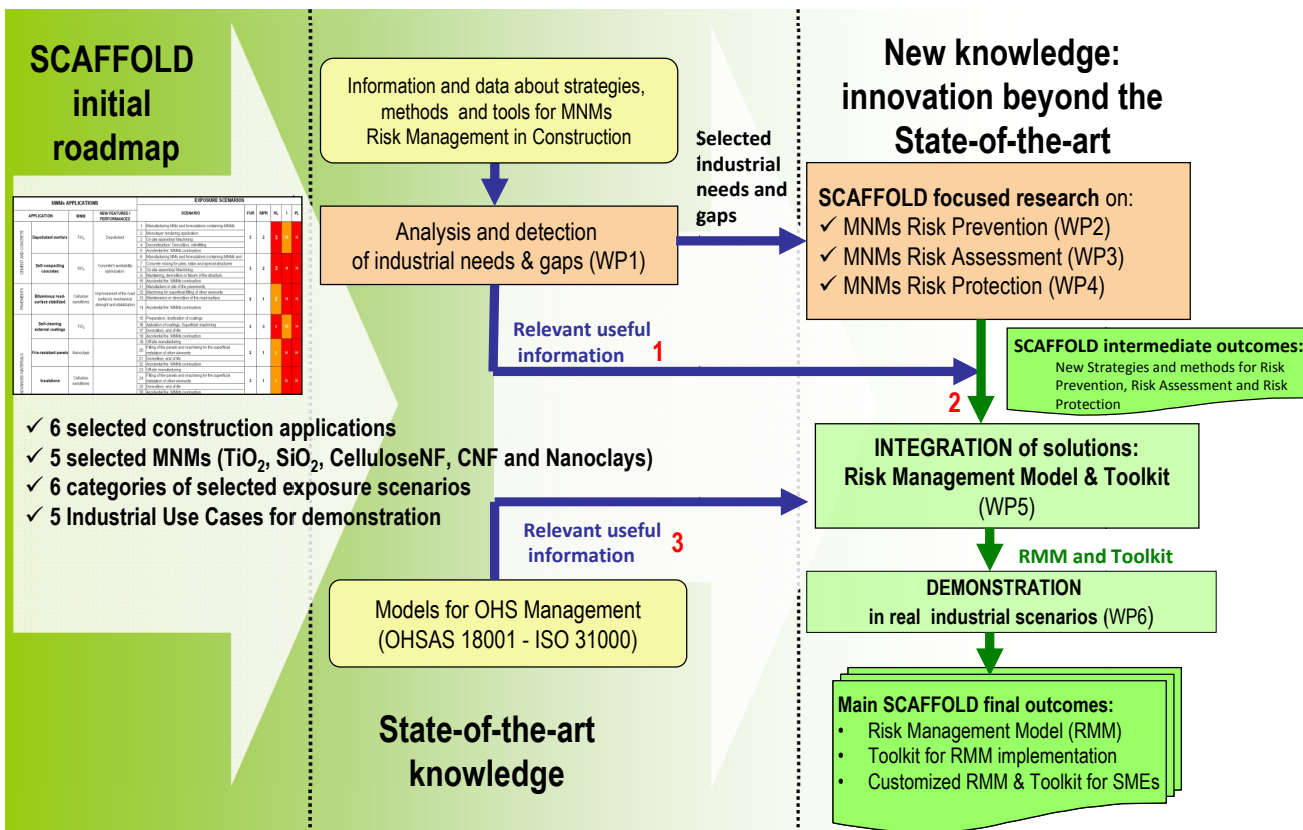
Operational TOOLKIT

- Management Model
- Input data
- Software tools
- Practical,
- Robust
- Easy-to-use
- Cost effective

As a **pre-standard**
(CEN workshop agreement)



Workplan



Ex. of results on protection devices

Efficient against MNMs :

- Rain jacket **PU coated polyamide**
- T-shirt and jacket made of **woven material - cotton 65/35%**
- **Latex gloves** (thickness 0,7mm) for application of mortar on a wall
- **Water and surfactant** (SDS) for cleaning plastic surface (e.g. PMMA) contaminated with TiO₂ NPs

Contact

tecnalia
Corporación Tecnológica

Tecnalia
Jesús M. López de Ipiña, coordinator
Parque Tecnológico de Alava,
Leonardo Da Vinci, 11,
E-01510 Miñano, Spain
Tel: +34 (0) 946 430 850
SCAFFOLD@eu-vri.eu

Scaffold partners