

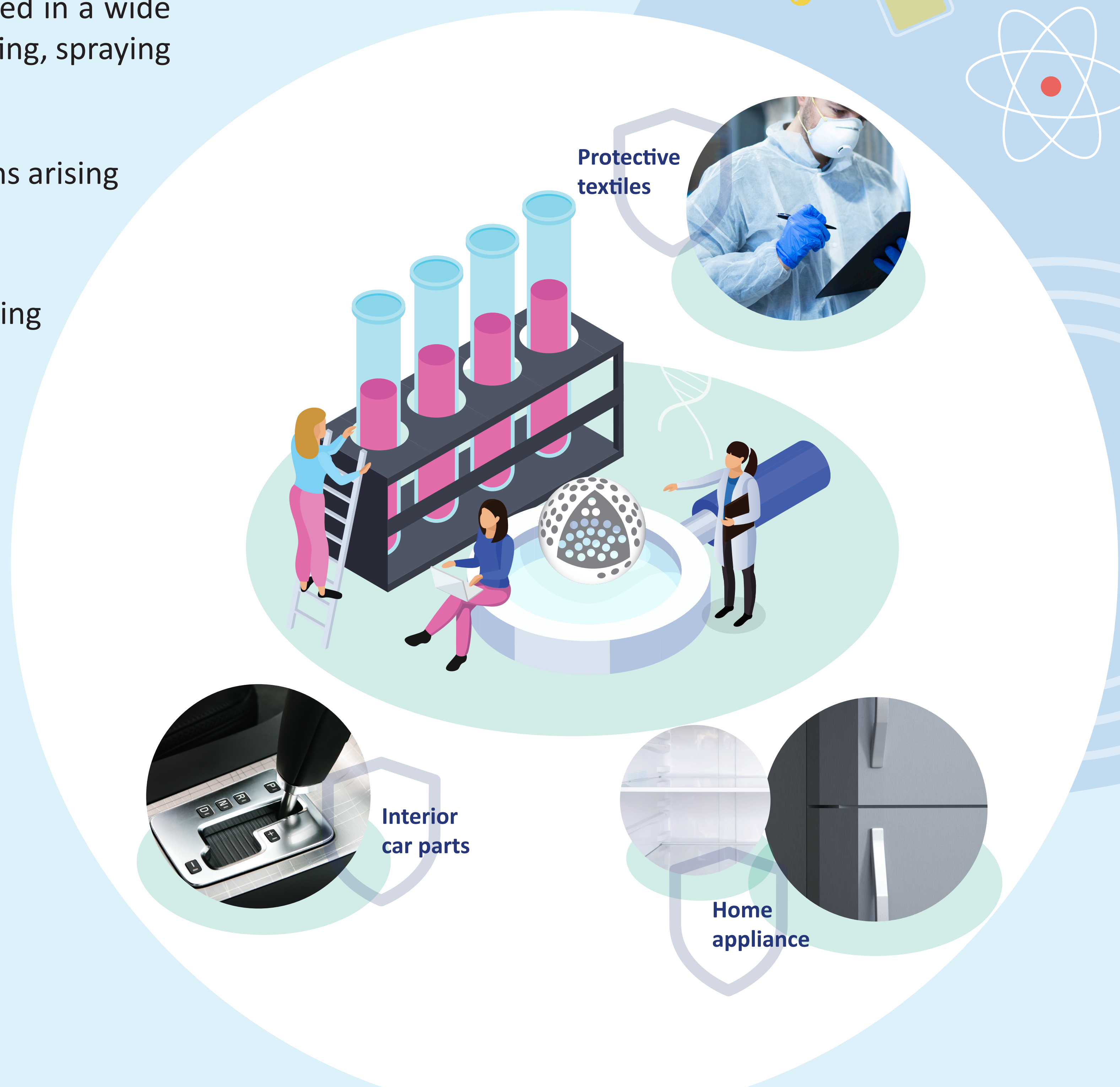


# RELIANCE

## Smart response self-disinfected **bio-based** nanocoated surfaces for **healthier** environments

The successful implementation of RELIANCE will generate as main results a range of innovative self-disinfectant antimicrobial nanocoatings, combining the microbial repelling action provided by the chemistry and physics of the nanocoating, with the antimicrobial action provided by the additives incorporated in the coatings (contact killing action of inorganic metallic copper and AMPs, and smart leaching of EO's under stimuli).

- Sustainable synthesis of nanostructured coatings to be applied in a wide range of materials by novel technologies, such as digital printing, spraying and cold atmospheric plasma
- Minimised risk of spread of infections from harmful pathogens arising from everyday human activities
- Creating a healthier living and working environment and offering a holistic solution to people with health issues
- Improve citizens' health and enhance the EU's reputation as a public health best practice region
- Enhance economic benefits through reduction of lost hours of work through illness
- Boost research, development and innovation in the EU
- Provide business opportunities especially for SMEs



Partners  
**15**

Budget  
**5€**  
million

Program  
**Horizon Europe**

Duration  
**48**  
months

Countries  
**10**

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