

ASiNA

Anticipating Safety Issues at the Design Stage of
NAno Product Development

www.asina-project.eu

 @AsinaProject

Duration 42M

(01/03/20 - 30/09/23)

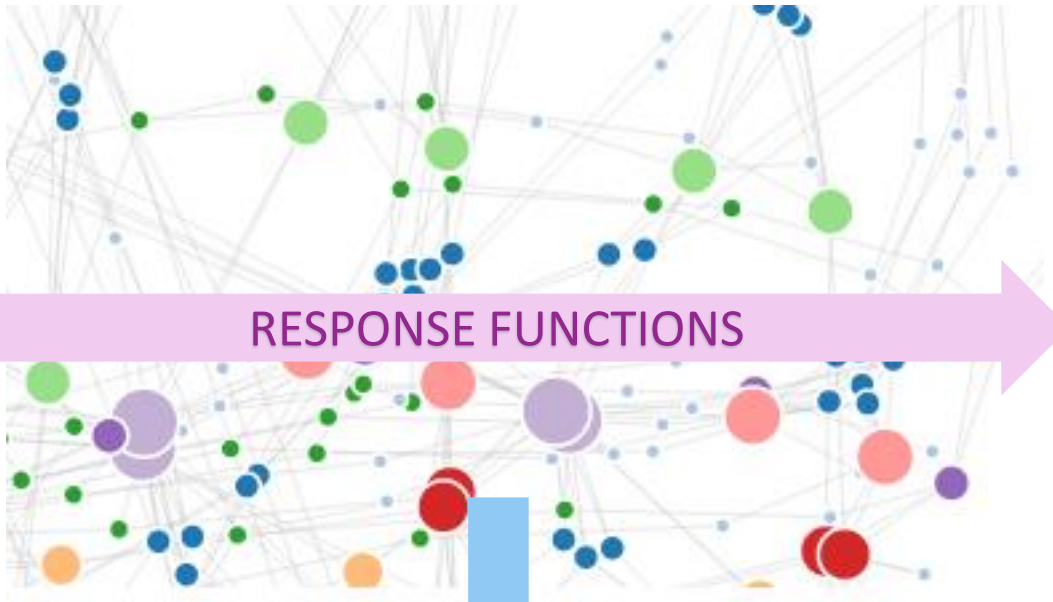


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MACHINE LEARNING

BAEYESYAN NETWORK



CHARACTERISING
FACTORS
(MATERIALS AND
PROCESS
PARAMETERS...and
further ongoing
projects datasets
or literature
sources)

TECHNO-
ECONOMIC,
HAZARD,
EXPOSURE and
LCA IMPACTS
ATTRIBUTES

DECISION BOX

SbD STRATEGIES



1. ANTI-MICROBIAL / ANTI-BIOFILM / DEPOLLUTANT COATINGS IN CLEAN TECHNOLOGY

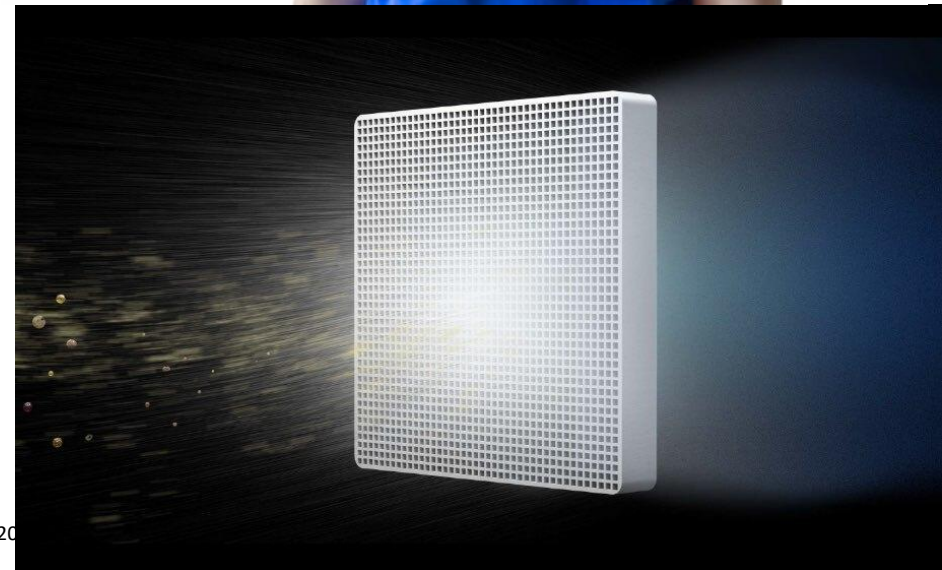
ANTIBACTERIAL TEXTILES

Coated textile for face mask and coat, antiviral and antibacterial.



PHOTOCATALYTIC FILTER

A completely washable/regenerable filter.



2. NANO STRUCTURED CAPSULES DELIVERING ACTIVE PHASES IN COSMETICS

ANTIAGING SKIN CARE CREAM

Antioxidant molecules enclosed into a polymeric capsule within a cosmetic cream.

ANTIBACTERIAL HAND CREAM

- Essential oil (spanish oregano) enclosed into a polymeric capsule within a cosmetic cream.
- Granulated powder containing nano-silver dispersed in hydroxyethylcellulose matrix.



#togetherwecan



*ASiNA project
Safe-by-design approach:
Safe and sustainable
nanotechnological solutions against
coronavirus*

ASiNA

*Anticipating Safety Issues at the Design
Stage of NAno Product Development*



**TACKLING
CORONAVIRUS
TOGETHER**

*I am proud to be part
of an EU funded research project
tackling coronavirus*

Research and Innovation



ASiNA project has been included in the list of the H2020 projects whose results can have a relevance towards the fight against coronavirus.

FINAL REMARKS

- ASINA will follow the steps of a recognised industrial management methodology to deliver SbyD products and processes.
- The customised ASINA SMM will be adapted to the production of two main categories of products.
- The main risk foreseen is the lack of information to generate sound response functions, linking materials and process parameters to attributes, through the response functions.
- A priority will be the coordination with other NMBP 15 projects: SAbYNA, SbD4NANO and SABYDOMA to harmonise decision box tools for the validation of SbD strategies.



Thank you very much for your attention!

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ASINA project is part of



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