



April 2023

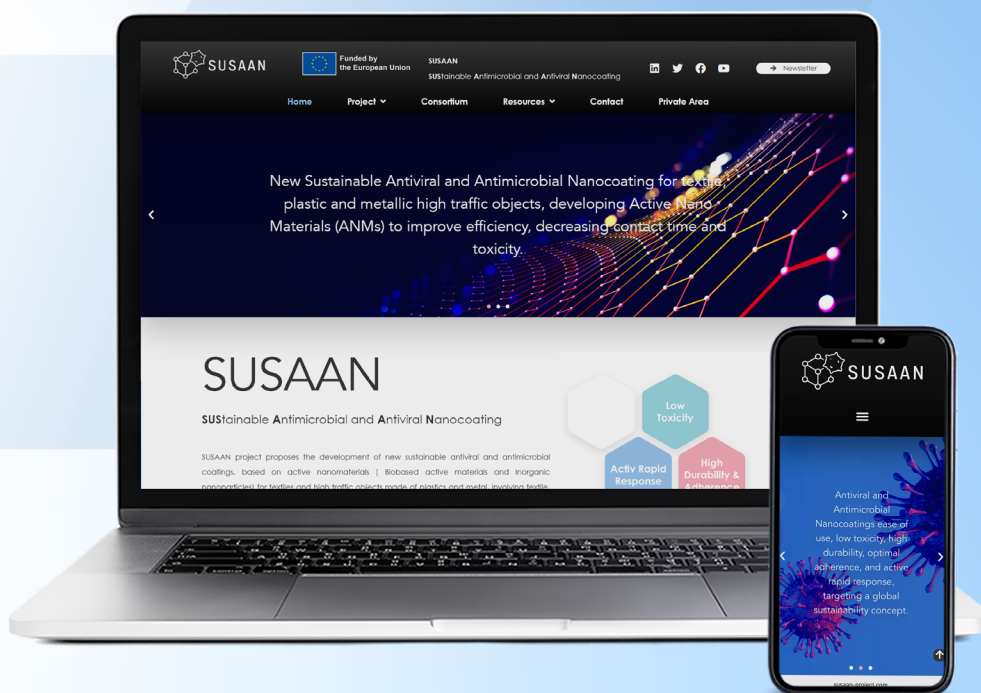
2nd PRESS RELEASE

SUSAAN

SUSustainable Antimicrobial and Antiviral Nanocoating

SUSAAN dissemination activities & events

Updates on SUSAAN's Project Activities



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During the first year of the project, the consortium had the opportunity to present the SUSAAN Project objectives and its potential impact in different scenarios, such as internal committees, and external conferences and events.

The following events and dissemination activities had participation from SUSAAN partners, reaching a scientific community and industry with an estimated audience of several hundreds.



The SUSAAN brochures were distributed to academics, researchers, entrepreneurs and visitors at the events, bilateral meetings and workshops.

LUREDERRA

28/03/2023

Lurederra participated in SINAI Sciencekaitza. The research, development and innovation of the SINAI entities and companies in Navarra, Spain joined for the first time at this event. In this stands the SUSAAN flyers were distributed to participants.

<https://www.sciencekaitza.com/feria-sinai/>

10/11/2022

NEXUS is a unique event that seeks to raise awareness of the potential of research and development and innovation (R&D+i) in Navarra and its link to Europe. LUREDERRA attended the conference as one of the reference research centers in the field of nanotechnology and new materials in Europe.

<https://nexus.b2match.io/home>



23/09/2022

Lurederra participated in this important meeting: V Encuentro de Personas Gestoras y Promotoras de Proyectos Europeos. A special consideration was given to the nanotechnology research and development. LUREDERRA European projects Director made a presentation of the SUSAAN project.

V. Encuentro de Personas Gestoras y Promotoras de Proyectos Europeos



28/03/2023

ECZACIBAŞI

Eczacıbaşı attended the European Coatings Show 2023, which took place in Germany. The event gathered experts and renowned scientific members from the coating and paint industries. The topics discussed during the event covered nanocoatings and our partners introduced SUSAAN project and the Eczacıbaşı role and current activities in the project.

Eczacıbaşı is internally communicating the SUSAAN Project goals and had the opportunity to introduce the project at the Eczacıbaşı Building Products Sustainability Committee.



YEŞİM

Yeşim shared information and experience about international funding programmes and talked about Yesim's projects including SUSAAN project at these events.

ITENE

ITENE published a technical article: *Materiales y productos "seguros y sostenibles desde el diseño" para lograr una nanotecnología responsable*. The article is part of the *Chemical Process Journal (PQ)* in which SUSAAN project is presented. Read more here:

<https://www.revistapq.com/texto-diario/mostrar/4255691/materiales-productos-seguros-sostenibles-desde-diseno>



ITENE also published in the webpage SUSAAN Project summary and objectives.

<https://www.itene.com/en/success-stories/susaan-sustainable-antimicrobial-antiviral-nanocoating/>



- 10th International Fibers and Polymers Research Symposium on the 13-14 May 2022.
- 11th International Fibers and Polymers Research Symposium on the 4-5 November 2022.
- 1st National Textile Machinery and Systems Symposium on the 20-21 October 2022.
- Event held at Turkey Quality Association (KALDER) on the 4th January 2023.

Yeşim also shared SUSAAN project flyers with their customers, suppliers, and Netherlands Textile Economy Delegation visitors.

PROGRESS IN SUSAAAN ACTIVITIES



MAIN ACTIVITIES:

- Synthesis of inorganic nanoparticles, testing different solvents, precursors, and conditions. (**LUREDERRA**)
- Synthesis of shape and size tunable inorganic nanoparticles that can exhibit antimicrobial properties. (**NSCR**)
- Development of various mesoporous supported nanoparticles aiming to control their toxicity. (**NSCR**)
- Testing the bioactive extraction from two different biomass sources. Process and conditions optimization. (**CELABOR**)
- Development of the bio-based nanofibers functionalized with different chemical groups to ensure the defibrillation up to the nano scale and to enhance the compatibilization with the inorganic nanoparticles. (**CELABOR**)
- Nanoencapsulation of antimicrobial and antiviral essential oils, in different biopolymers and testing of their properties to respond to specific technical requirements of SUSAAAN Project. (**IVW**)
- Setting up the toxicity and ecotoxicity test, based on the SUSAAAN definition of coatings requirements and protocols. (**ITENE**)
- Preparation and performance of the testing method according to standards ISO 21704 et ISO 18184 in order to test the references for textiles and surfaces of the project. And doing the compilation and analysis of the results in TCID50 calculated with the algorithm Spearman & Kärber. (**VIRHEALTH**)
- Assessment of environmental impacts through a screening LCA using data provided by partners. These results are expected to highlight the first hotspots of SUSAAAN products. (**ARDITEC**)

FUTURE EVENTS

where our partners are presenting project research findings



ITENE

EuroNanoForum 2023 will take place in Lund, Sweden, from on 11 - 13 June 2023.

VIRHEALTH

- **International conference on Nanotechnology and Nanomaterials**, July 27-28, 2023, Hamburg, Germany.
- **Congrès Biocides**, October 18-19, 2023, Lyon, France (Sponsor and exhibitor).
- **Biocides Europe**, December 11-12, 2023, Vienna, Austria (Sponsor and exhibitor).

NSCR

- **EuroNanoForum 2023 Conference**, 11 – 13 June 2023, in Lund, Sweden.
- **International Congress and Expo on Materials Science and Nanoscience**, June 28-30, 2023. Paris, France.
- **NANOTECHNOLOGY 2023 Conference**, 1 – 8 July 2023, Thessaloniki, Greece.
- **2nd Global Summit on Nanotechnology and Materials Science**, 13-15 September 2023, Rome, Italy.
- **13th Advanced Materials World Congress**, 09-12 November 2023, Orlando (MI), USA.