

PITCHING SESSION











LUREDERRA TECHNOLOGICAL CENTRE





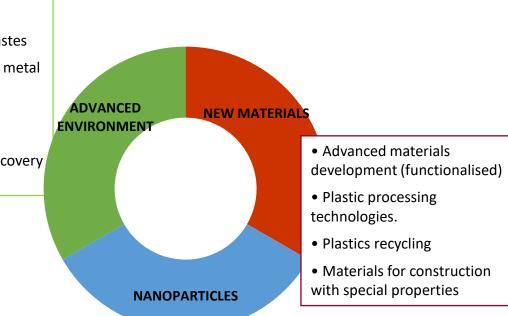
- Wastewater Treatment
- Revalorisation of organic wastes
- Metal decontamination and metal recycling from wastes
- Nanoparticles applied to environment
- Sorbents for removal and recovery pollutants

L'Urederra Foundation, **non-profit private entity created in June 1999**, conducts and promotes research and technological development activities in the service of companies and economic operators, including the subsequent implementation of innovations developed in their own production facilities not only nationally but also internationally.

Industrial vision: Continuous development of marketable products and technologies quickly transferable and exploitable.

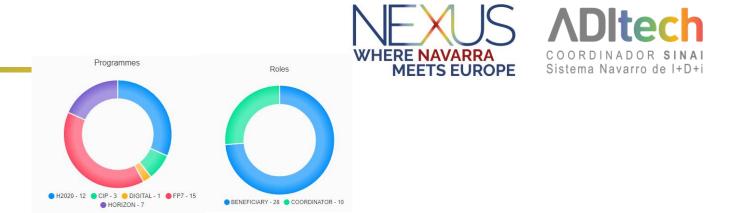
centro tecnológico

www.lurederra.es	Tfno.: +34 948 64 03 18	Fax: +34 948 64 03 19
Área Industrial "Perguita", Calle A, nº 1	31210 - Los Arcos (Navarra-España)	



- Advanced nanoparticle production: simple and complex (mixed, doped, core-shell) nanooxides, phosphates and carbonates.
- Production of customised nanoparticle dispersions in different concentrations with high stability.
- Ready-to-use nanoproducts.
- Specific surface treatments
- Synthesis of specific functional compounds.
- Synthesis and modification of nanoclays.

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Waste2Fresh

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H2020 Projects (on-going)

centro tecnológico

NANOSTACKS: "Nanostack printing for materials research" H2020-EIC-FETPROACT-2019-951949

WASTE2FRESH: "Smart innovative system for recycling wastewater and creating closed loops in textile manufacturing industrial processes" H2020-SPIRE-2020-958491

MAREWIND: MAterials solutions for cost Reduction and Extended service life on WIND off-shore facilities. H2020-NMBP-2020-952960. COORDINATOR

SUNRISE: MultiSensor sorting tools in a circular economy approach for the efficient recycling of PVB interlayer material in high-quality prodUcts from laminated glass coNstRuction and demolItion waStEs. H2020-LCCI-2020-958243. **COORDINATOR**

Horizon Europe

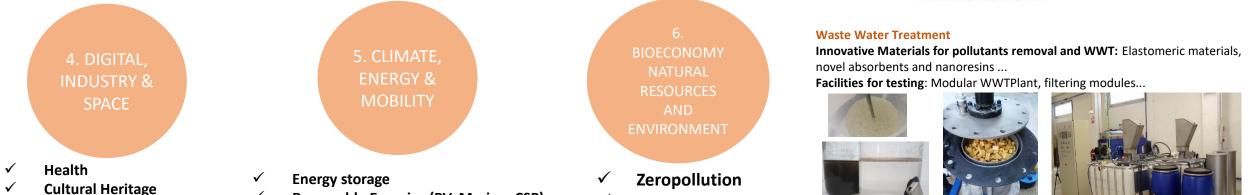
SUSAAN "SUStainable Antimicrobial and Antiviral Nanocoating" HORIZON-CL4-2021-101057988 COORDINATOR	SUSAAN BERSTARD
FREE4LIB "Feasible recovery of critical raw materials through a new circular ecosystem for a Li-ion battery cross-value chain in Europe" HORIZON-CL5-2021-101069890	FREEGLiB
Platform-ZERO "Customizable AI-based in-line process monitoring platform for achieving zero-defect manufacturing in the PV industry" HORIZON-CL4-2021-101058459	Z
SUNRISE "Safe and sUstainable by desigN: integRated approaches for Impact aSsessment of advanced matErials" HORIZON-CL4-2023-RESILIENCE-101137324	
SOLINDARITY "SOLar-driven INDustrial power And heat upgRaded with hIgh-temperature heaT pumps for enhanced integrated process efficiency" HORIZON-CL5-2023-D3-101136148	
BEETHOVEN "SUBSTITUTION OF RARE-EARTHS FOR ADVANCED NOVEL MAGNETS IN ENERGY AND TRANSPORT APPLICATIONS" HORIZON-CL4-2023-RESILIENCE-101129912	BEETHEVEN
NEOCYCLE "UPCYCLING OF NdFeB MAGNETS IN THE EU FOR GREEN APPLICATIONS (NEO-CYCLE)" HORIZON-CL4-2023-TWIN-TRANSITION-01-101138058	

LUREDERRA in HE CLUSTERS

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ADItech COORDINADOR SINAI Sistema Navarro de I+D+i



- \checkmark Manufacturing Industry
- **Raw Materials**
- SSbD alternatives
- **Digital Emerging**

- **Renewable Energies (PV, Marine, CSP)**
- Nanocatalysts
 - **Highly Energy Efficiency Building**

- **Bioeconomy**
 - **Circular Economy**
 - **Circ-Bio**

Recycling and wastes valorization

Materials and metal recycling from WEEEs: Leaching, solvent extraction and precipitation technologies for recovery of CRMs.

Extraction of added value chemicals from agro industrial-wastes: milling, extraction, concentration and purification of bioactive compounds









Plastics processing, functionalization and recycling: Additivation of plastics and paints: functionalization and modification. Plastics processing capablities: rollers, hot and cold plates, extrusion.

Tailored synthesis of nanoparticles and nanodispersions

FSP production technology. **Dispersion technology / chemical** functionalisation: ultrasonic forces, milling deagglomeration techniques. Thermal treatments.





Nanosurface treatment / nanoenable materials / coatings: Easy to apply Different properties on several substrate: hydrophobicity, pleophobicity, anti-stick, easy to clean, antifouling, nticorrosion, antibacterial....

















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PARTNER Since V Framework Programme & COORDINATOR Since VI Framework Programme

Currently COO: 2H2020 and 1HE

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Cluster 5: Climate, Energy and Mobility CL5-2024-D3 Deadline: 04/02/2025 HORIZON-CL5-2024-D3-02-02: Development of next generation synthetic renewable fuel technologies (RIA) HORIZON-CL5-2024-D3-02-04: Critical technologies for the future ocean energy farms (RIA) **Cluster 4: Digital, Industry and Space** CL4-INDUSTRY-2025 September 2025 Innovative Advance Materials **Protective Coatings Cluster 5: Digital, Industry and Space** CL5-2025- Batteries 2025 Batt4EU Partnership Active Materials and Catalysts for electrodes Fax: +34 948 64 03 19

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