

NEXT-GEN NANOCOATINGS

A Workshop Blueprint for Accelerating Antimicrobial Innovation

Three Projects, One Vision

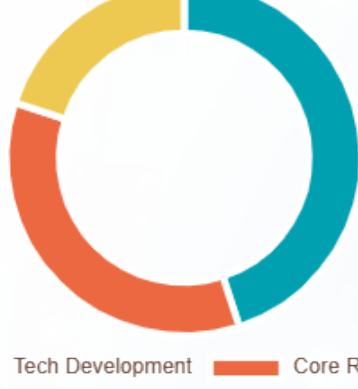
This workshop is a collaboration between three pioneering EU-funded projects dedicated to advancing nanocoating technology.

 **RELIANCE**

 **NOVA**

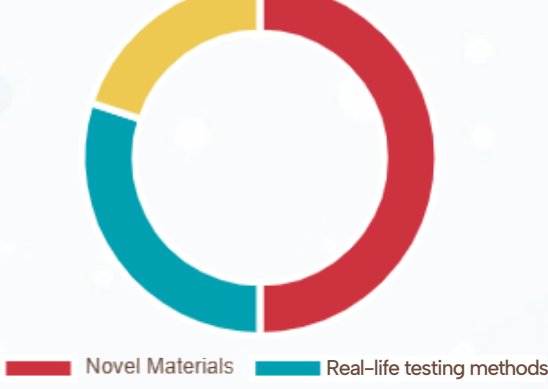
 **NANO BLOC**

Focusing on reliable and high-performance nanocoatings to address critical antimicrobial challenges.



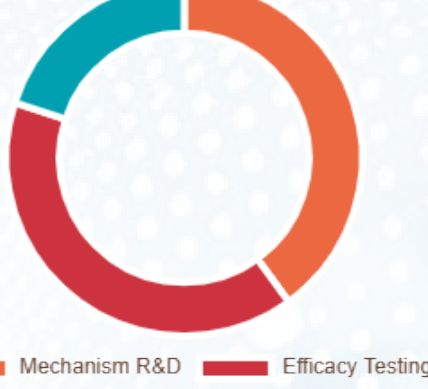
Key Innovation Focus

Developing novel approaches and materials for next-generation antimicrobial surface design.



Key Innovation Focus

Engineering surfaces that actively block pathogens, heralding a new era of protection.



Key Innovation Focus

The Workshop Blueprint



Opening Session: Foundations & Future Directions



Session I: Accelerating Antimicrobial Innovation with Modeling & AI



Session II: Safety, Sustainability & Real-World Impact



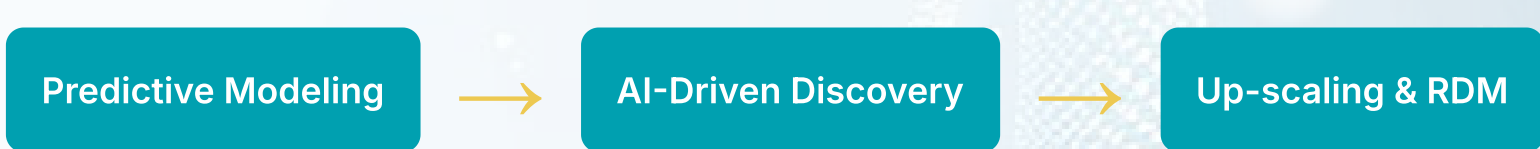
Session III: Use Cases & Industrial Perspectives



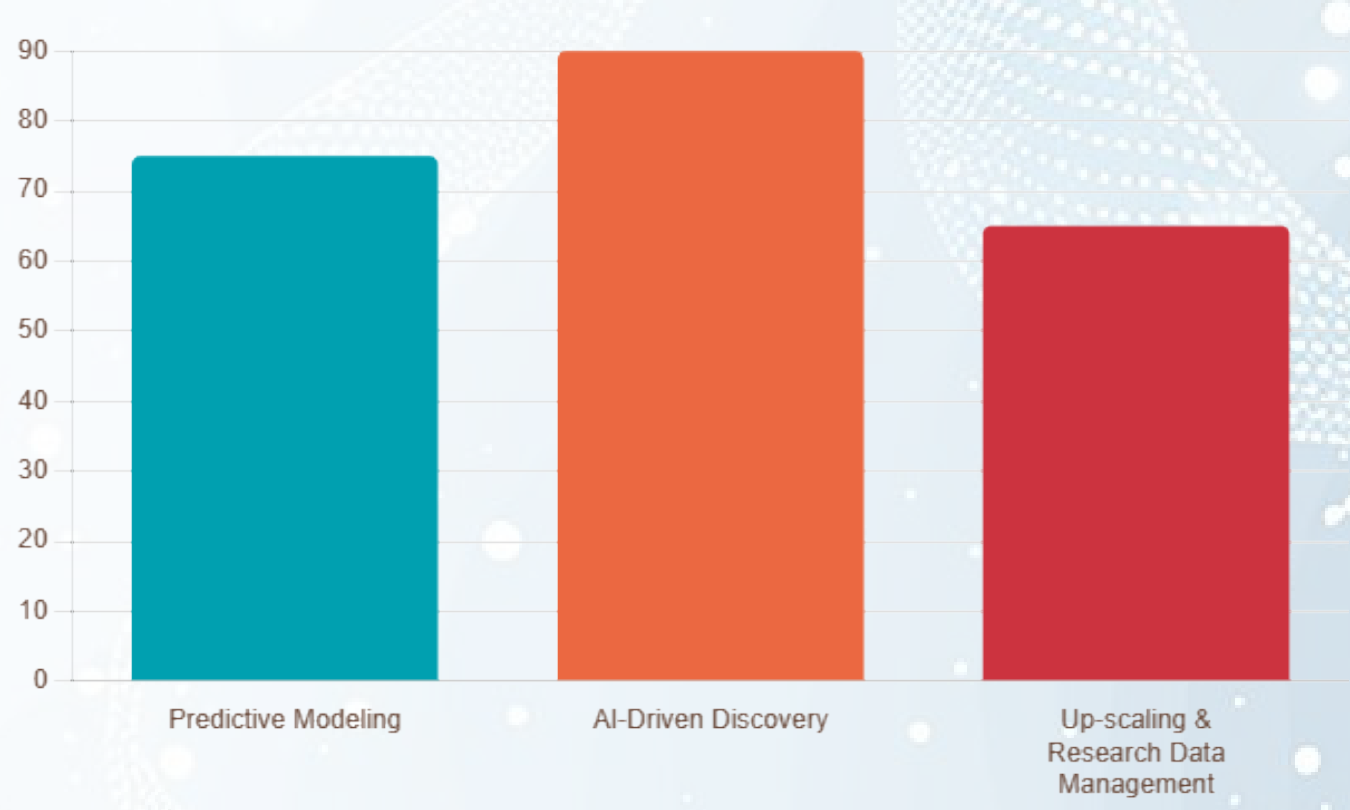
Concluding Remarks & Open Discussion

The Innovation Pipeline

Session I delves into a powerful workflow that accelerates nanocoating development from concept to production-ready data.



Key Focus Areas in Nanocoating Acceleration

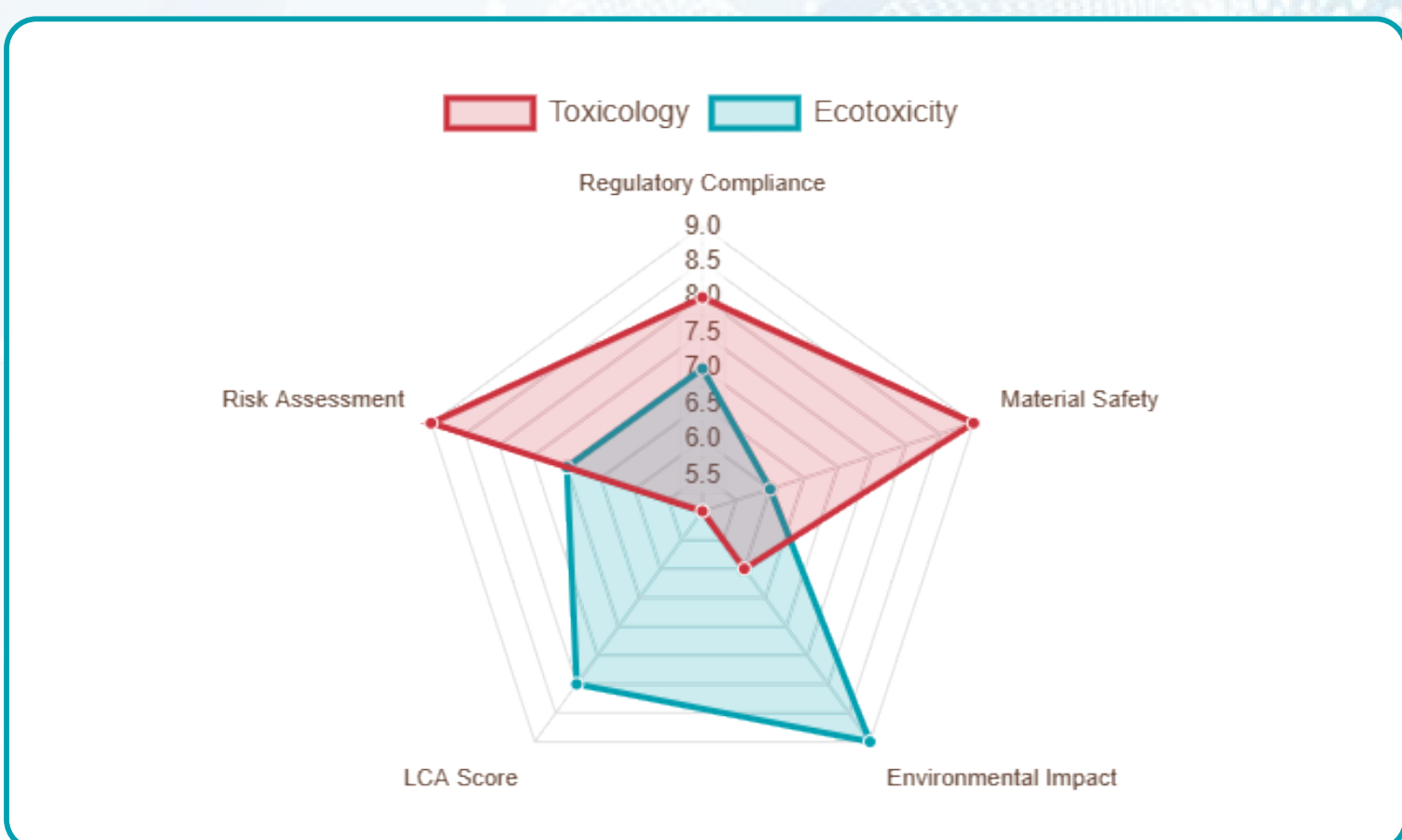


This chart illustrates the relative emphasis within the projects on these core acceleration pillars, showing a balanced approach that integrates computational power with practical data management for scalable success.

Safety, Sustainability & Application

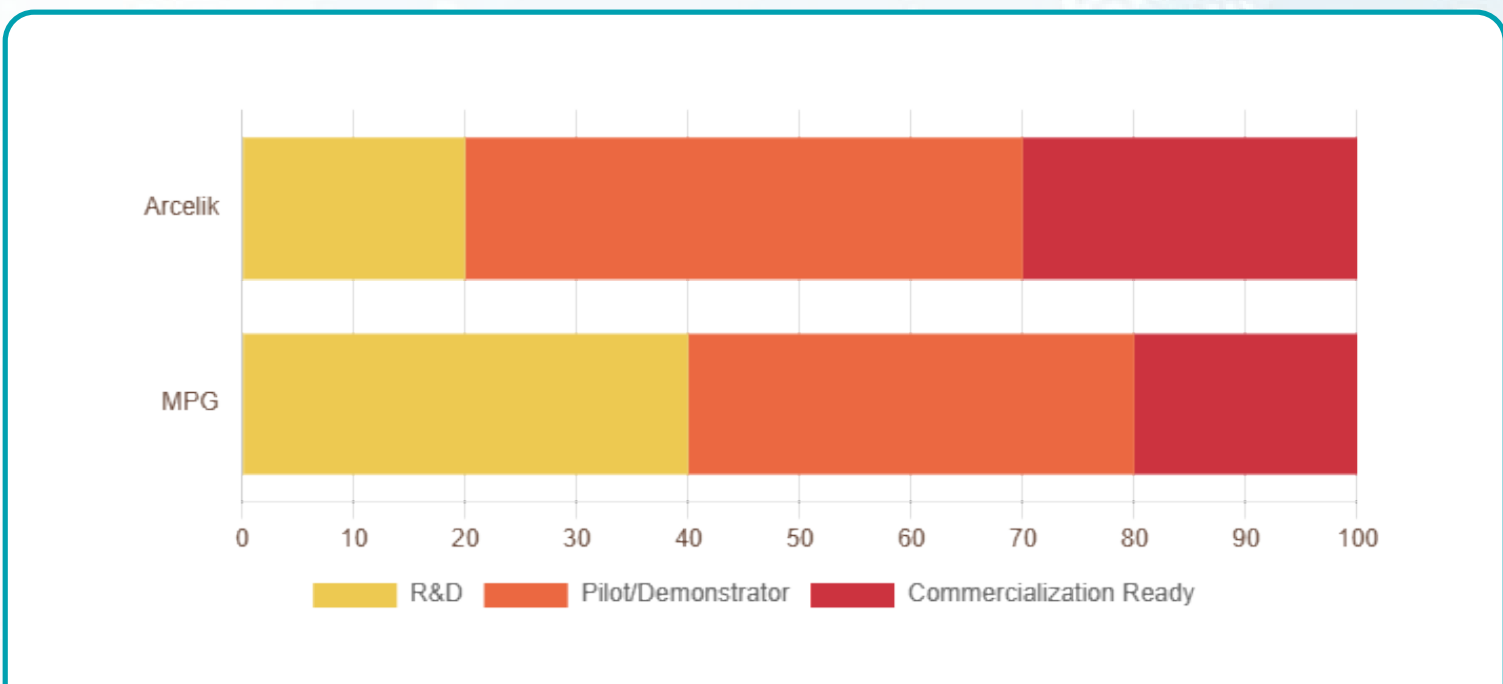
The afternoon session balances the need for innovation with crucial safety assessments and showcases the path to market.

SSbD Parameter Analysis



A comparative look at how toxicology and ecotoxicity studies contribute to the overall Safe and Sustainable by Design framework, evaluating key parameters for creating responsible nanotechnologies.

Industrial Application Readiness



This visualization tracks the progress of industry partners, highlighting their journey from initial research and development through pilot demonstrators to being ready for full commercialization.

By The Numbers

3

Collaborating projects

10

Expert Speakers

5

Themed Sessions

1

Common Goal



Funded by the European Union

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