



UNIVERSITY OF BIRMINGHAM



NanoReg2



# Summary

## Moving forward with Safe by Design

# SbD from an industry perspective: its aims

## How can Safe by Design benefit you?

Reduce Time  
Required for R&D



More Cost-Effective  
Innovation



Faster to Market



Prepare for Future  
Regulatory Challenges



Safer Products



Better Consumer  
Acceptance



# The trial of SbD in industry (NR2 project)

Industrial Partner	Case Study Scope	Nanomaterial	Pillar	Innovation Stage
Avanzare	Upscaling of production	Pristine Graphene	Safe Products Safe Production	Mid
NANOMAKERS	Production of materials used in Li-ion batteries	Silicon-based NMs	Safe Products	Early and mid
Grupo Antolin	Upscaling of productions	Carbon nanofibres	Safe Products Safe Production Safe Use	Mid, near-market and market
HiQ-nano	Development of safe fluorescents NPs	Dye doped silica nanoparticles	Safe Products Safe Production Safe Use	Near-market
NANOGAP	Modification of process to reduce liquid waste	Nano Ag fibres	Safe Production	Early, Mid
DSM	Reduction of release from products produced with the stereo-lithographic process	Silicium dioxide	Safe Production Safe Use	Market
NANOCOMPOSIX	Application in consumer prody	Nano silver	Safe Production Safe Use	Mid

# Business thresholds for use of SbD

- *Moving beyond risk governance*
- Will it prolong the market life of my product?
- Will it enhance the value and visibility of my product and company?
  - To partners, customers, investors
- Will it accelerate development to market and/or reduce costs?
- How can I get recognition for the use of Safe by Design? *A standard or certification?*
- How do I integrate SbD into business strategy and implementation?
- Questions being addressed through the maturation of SbD and transformation from concept into commercial practice



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# Thank you

To speakers

To delegates

Slides to follow Wednesday am

Recorded version available shortly