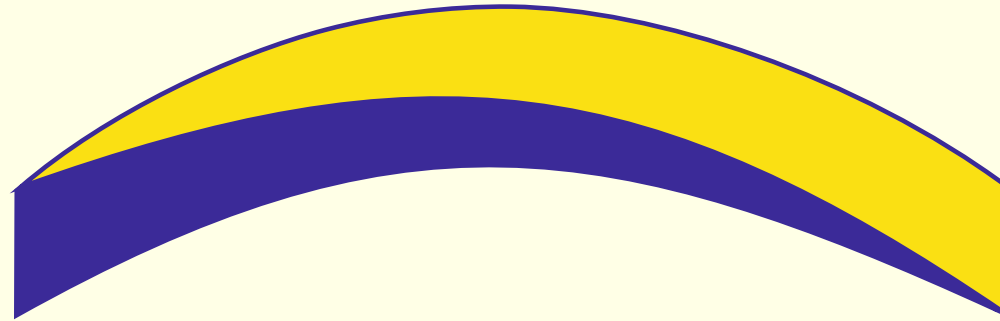




# NANoREG II



Development and implementation of Grouping and Safe-by-Design approaches within regulatory frameworks

James Baker

INERIS – French National Institute for Industrial & Environmental Risk Assessment

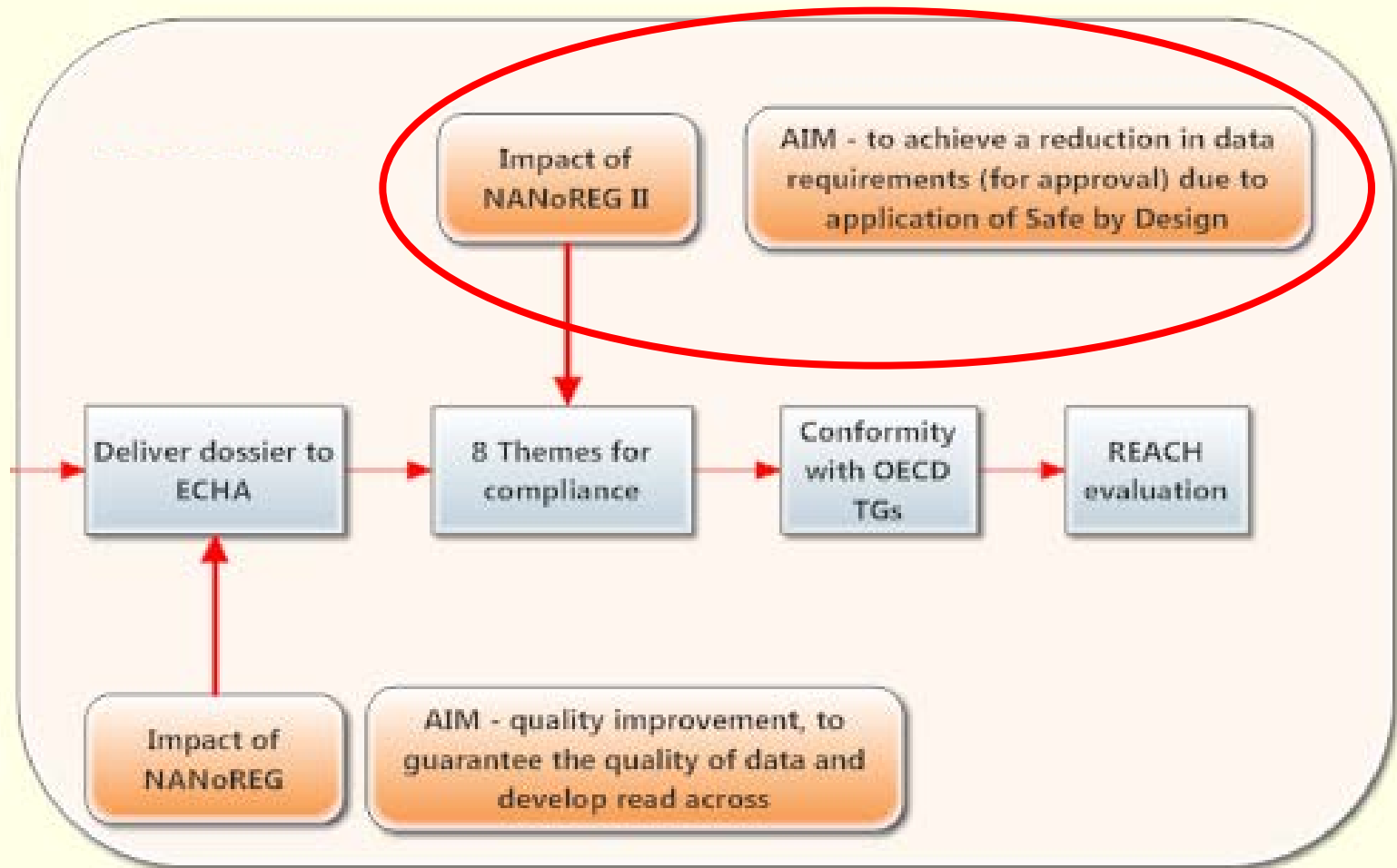
Coordinator Emeric Frejafon

3 years: 01-07-2015 to 30-06-2018

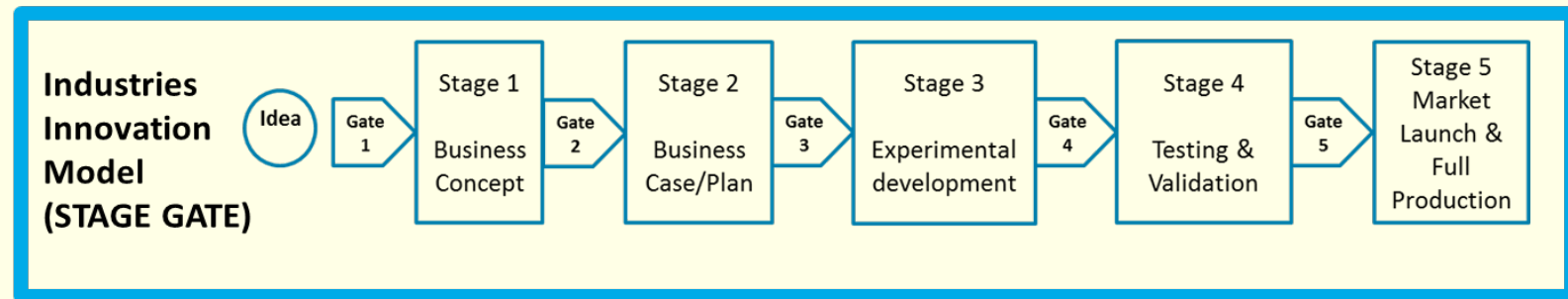
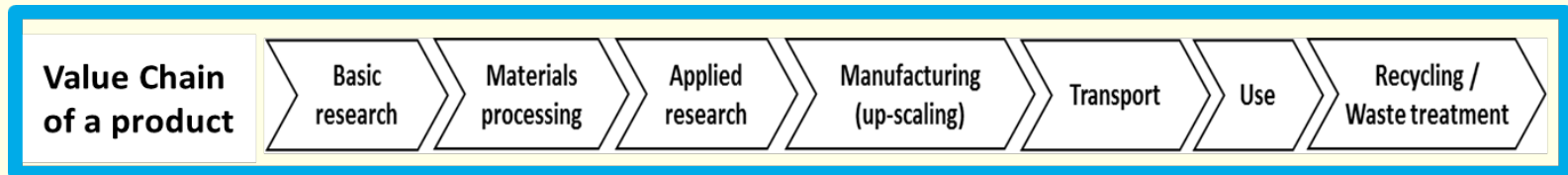
38 partners: Budget 15 M€



# Overarching aim of NANoREG II



# Safe innovation approach



## Impact related to key NANoREG II deliverables



- Developing Safe-by-Design **regulatory approaches** (Safe Innovation Approach)
- Demonstrating the integration of Safe-by-Design methods, with Risk Management and Risk Mitigation
- Achieving approval of Methods, Tools and Data-sets for the manufacturing of inherently safe MNMs and safe products inspired by NMNs.
- Overcoming barriers for the Application of Safe-by-Design approaches as standard Industry practice



# Impact on EU-US nano-EHS collaboration

## Liaisons with international organizations

### Task 5.2 lead JRC

Liaisons established with the OECD, ISO/CEN, WTO, **EU-US R&D** organizations for **coordinated actions** on harmonized templates, standards, regulations and precautionary measures

## Cooperation with research centers and academic or public organizations outside EU

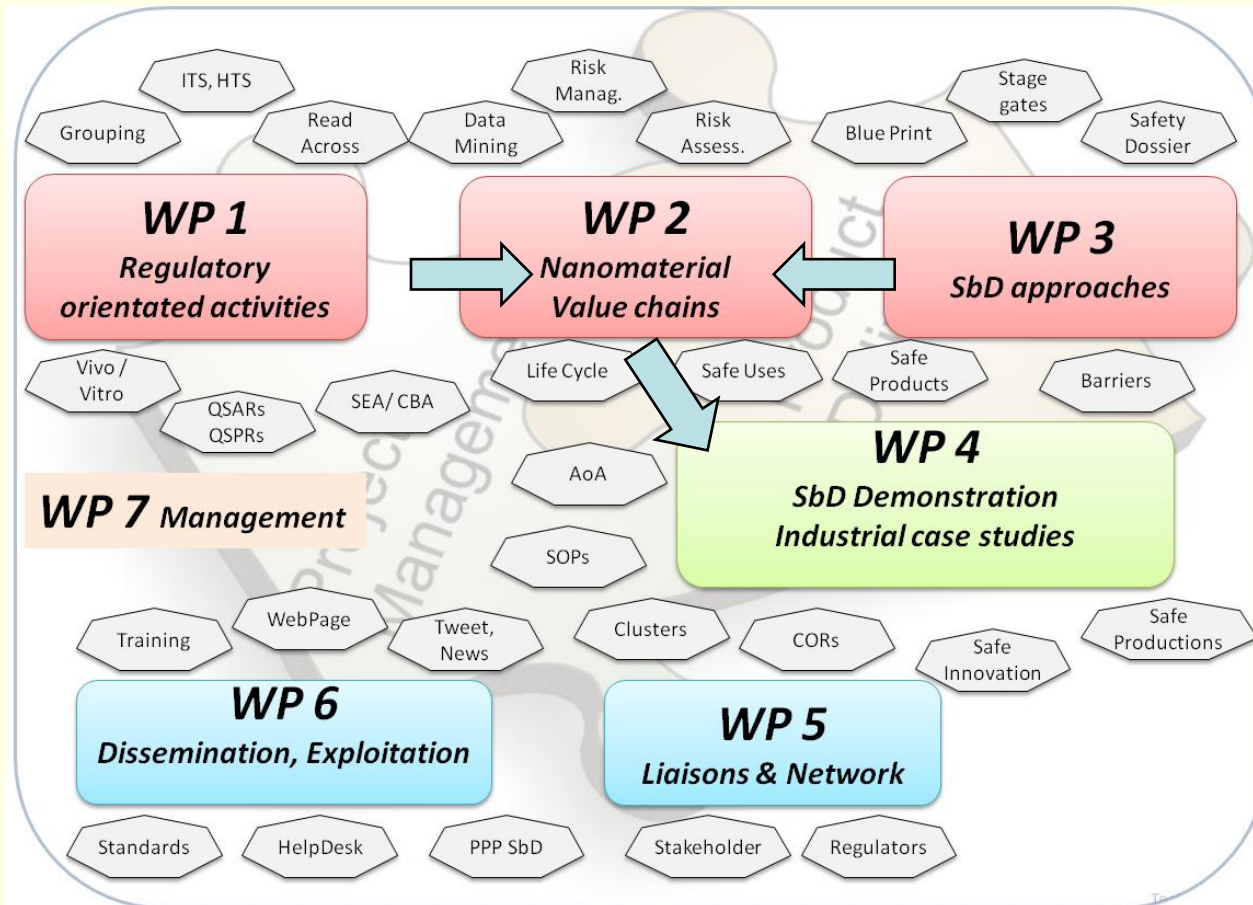
### Task 5.6 Lead CNRS-CEREGE

Establishing cooperation with public laboratories or research centers with the objective of sharing knowledge on similar instruments under development. Several contacts have already made on grouping principles, SbD and ITS; **Duke University linked to the North Carolina Research Triangle; Universities of Montreal and Quebec**



END

## Work plan



Inputs from on-going Research & regulatory oriented projects



Outputs to regulatory and standardization activities To be implemented in industry