



Personal reflections on the SEURAT-1 project

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The famous SEURAT-1 "Cs" hallmark!

The journey began in 2011 with:

"Creativity"

"Collaboration"

"Courage"

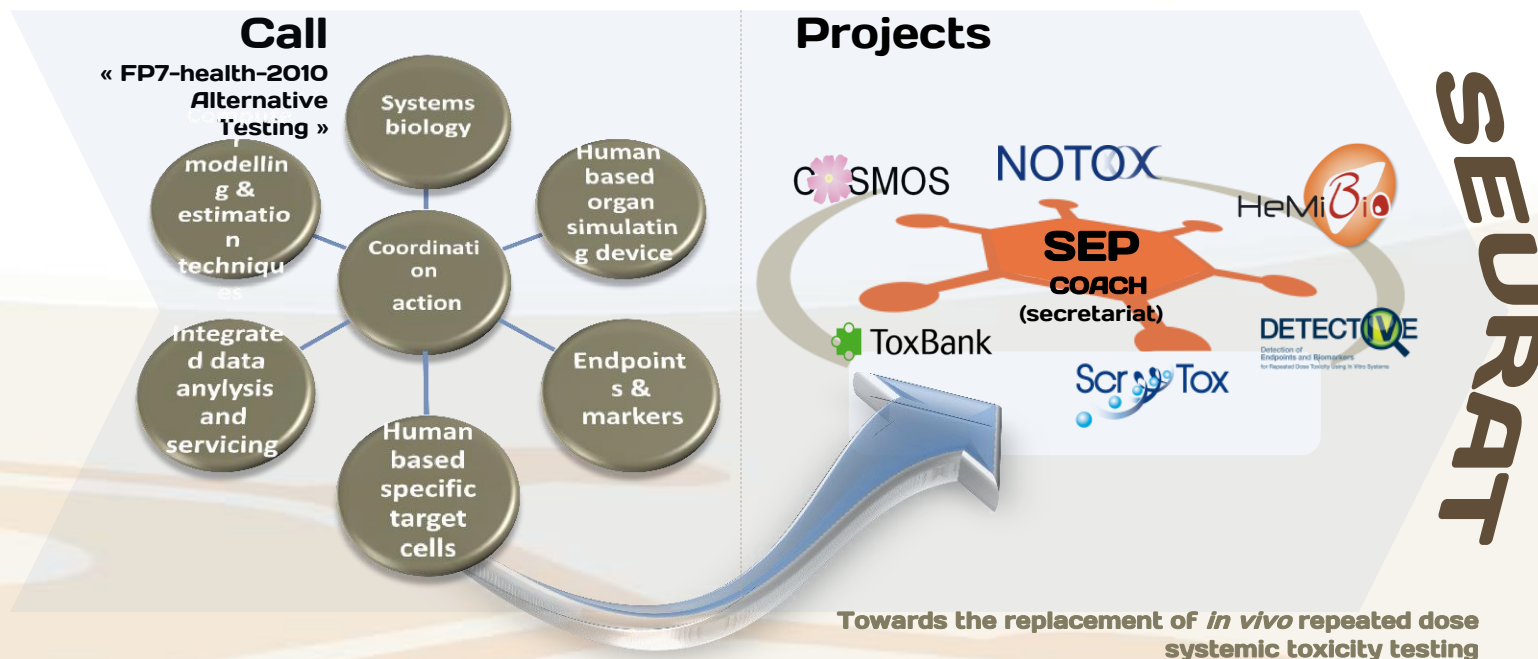
Since then many have been added.....

Colleagues, Cooperation, Commonality, Coordination,
Coaleascence, Coherency, Coaching, Communication,
Clever, Calculation, Calibration, Cornerstone.....

Challenging, Complicated, Cajolement,



Who



Working groups –Gold Compounds;

Data Analysis;

Mode of Action;

Biokinetics;

Stem Cells;

Safety Assessment

Demanded a hitherto unprecedented degree of
COLLABORATION in a scientific project in this area



How

- Cosmetics Europe and EC jointly fund multidisciplinary projects to advance the scientific knowledge and technology building blocks - EUR50 M over 5 years
- Initial focus on a small number of adverse outcome pathways relevant to human safety
- Proof of Concept studies with well-characterised toxicants that have led to dose-dependent adverse effects in humans
- Once proof-of concept assessments are possible some initial case studies with chemicals of cosmetic relevance will be explored

Demanded considerable **COURAGE in overcoming the political, economic, infrastructural and operational challenges involved throughout the project**



What

- Harness existing knowledge for chemicals of cosmetic relevance (chemistry and repeated dose toxicity data)
- Develop a mechanistic understanding of the perturbations in biological processes that lead to adverse effects in humans
 - Develop a toolbox that will enable evaluation of the dose response in these changes and link changes seen to adverse
 - Propose a risk assessment approach based on ensuring consumer use of a chemical in cosmetic products would not lead to adverse effect effects and/or perturbations in the key biological processes that lead to adverse effects

Demanded a free sense and acceptance for **CREATIVITY in finding novel scientific solutions, integrating resources and communicating findings and impact.**



Why

- To evaluate the safety of cosmetic ingredients for repeated exposure in humans without using animals

The far reaching goals of the project required the **CREATIVITY, **COLLABORATION** and **COURAGE** which has been exhibited by all partners over the last 5 years.**

