

ASAT

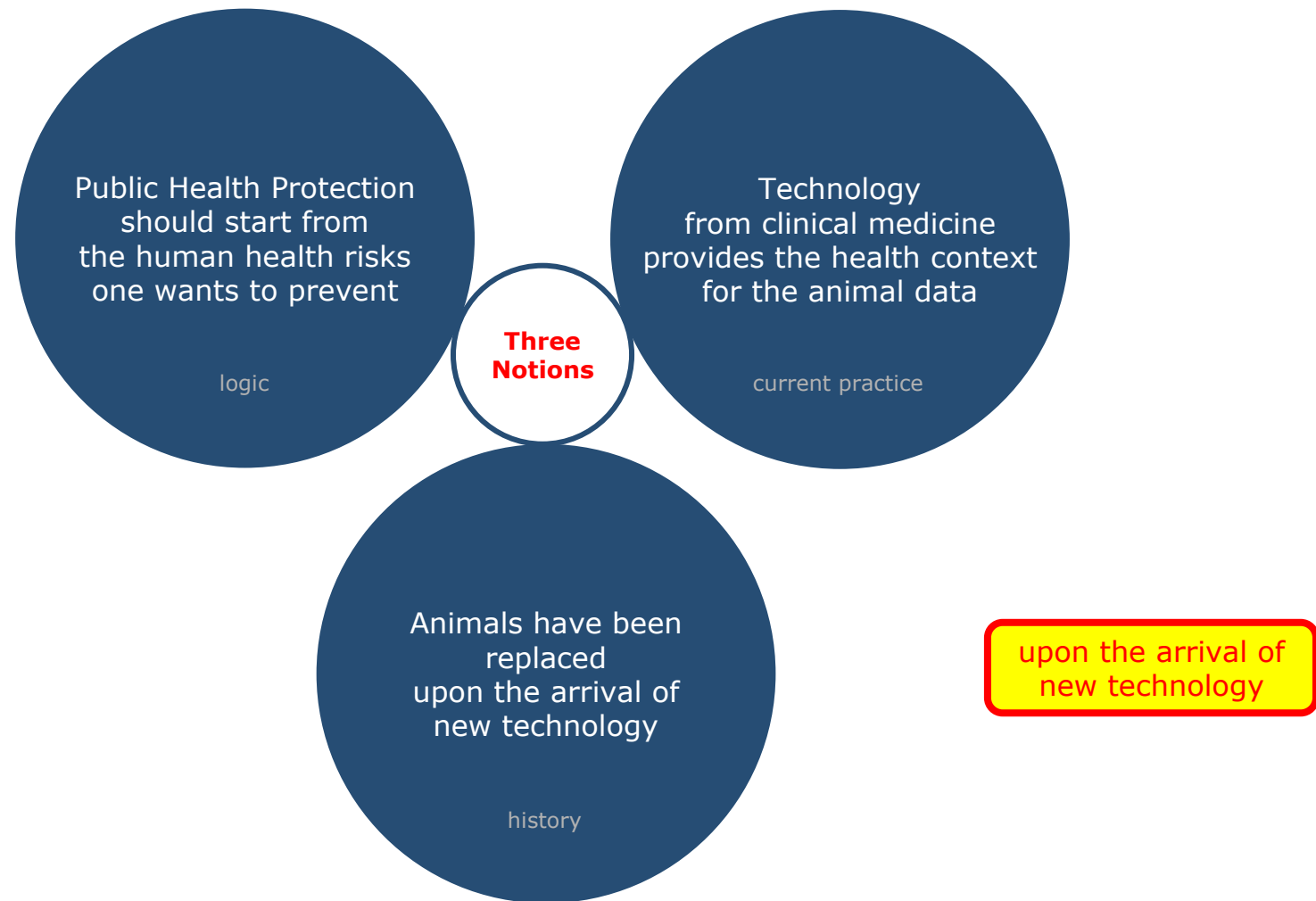
Assuring Safety
without
Animal Testing

Bart Sangster
Chair

This presentation

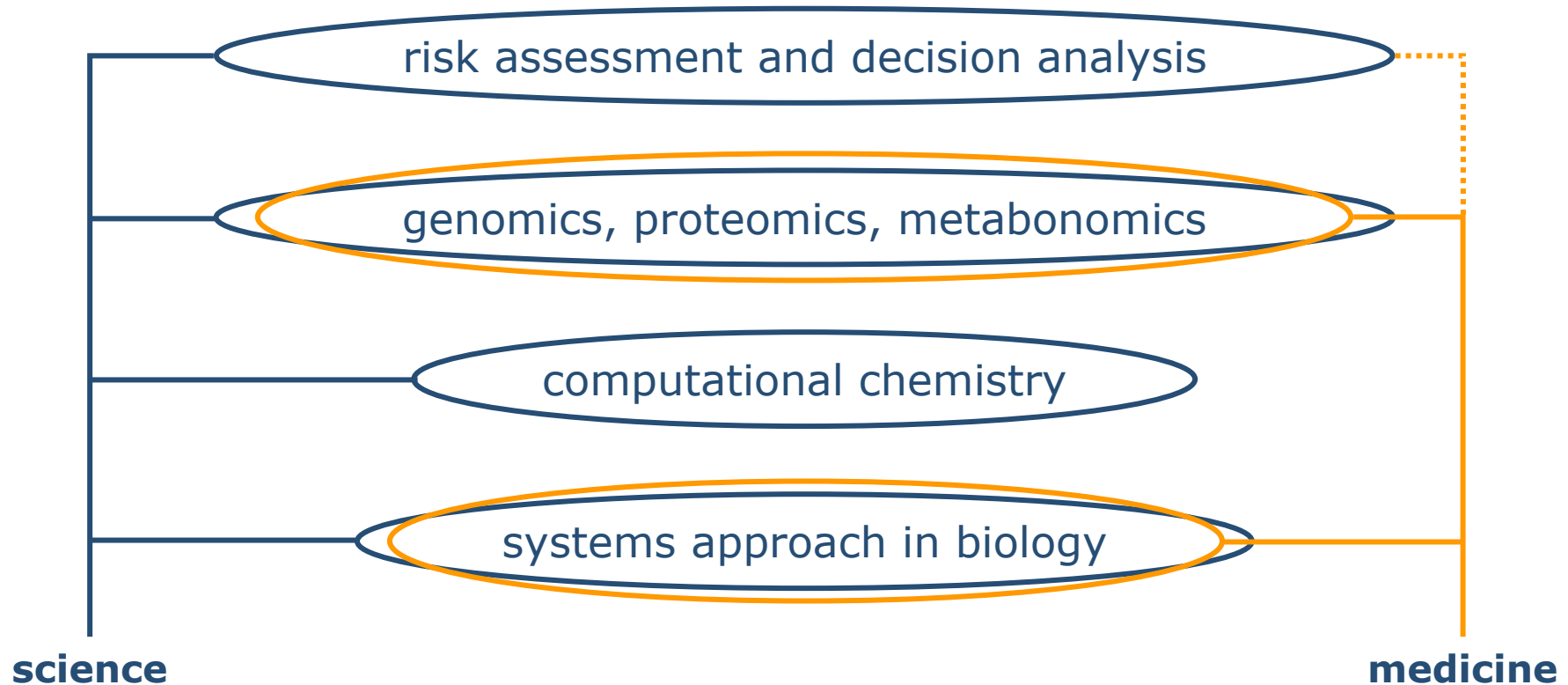
- Concept
- Development
- Application
- Perspective

Origin of ASAT-concept

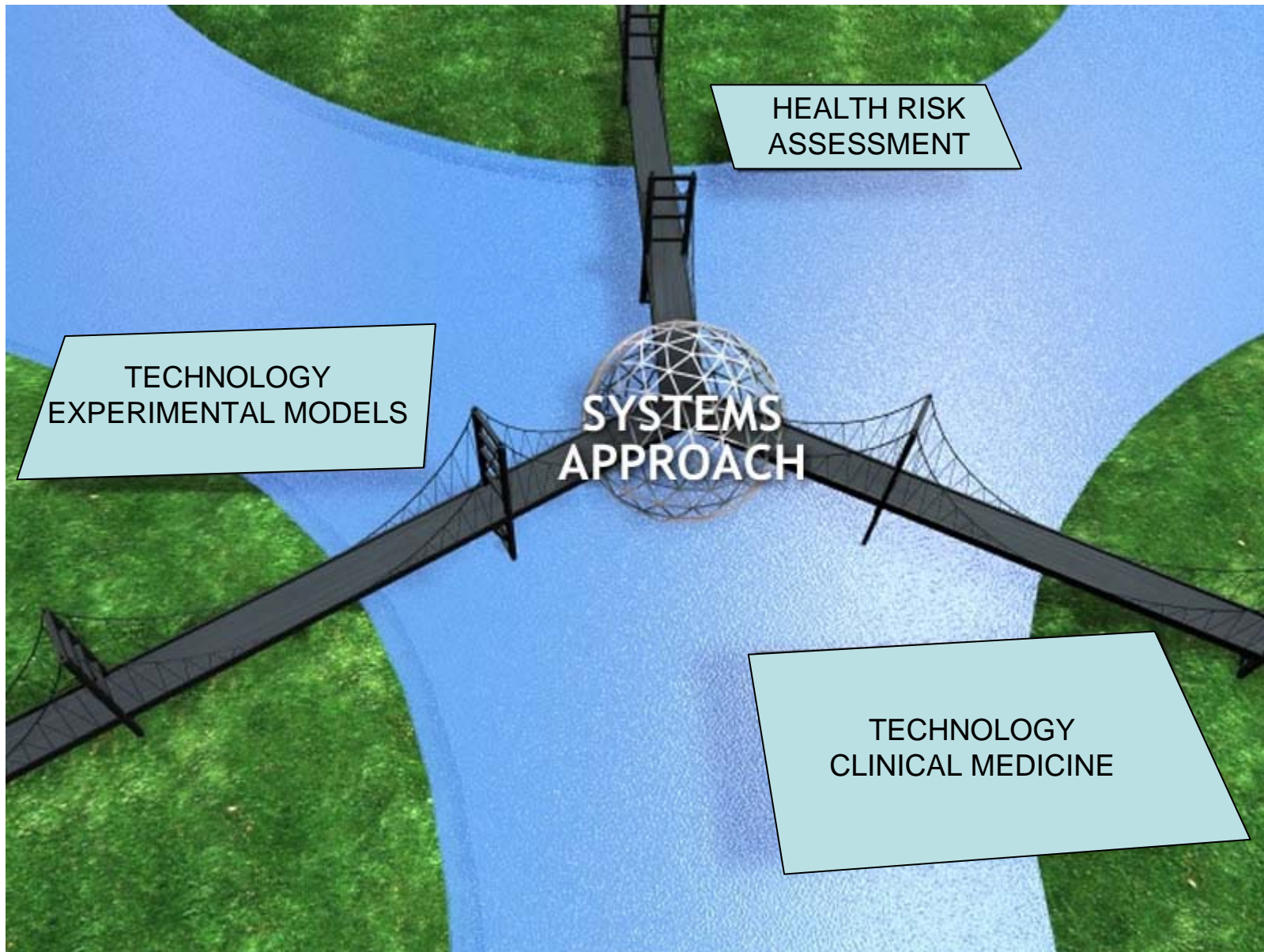


Building the bridge

Arriving New Technology

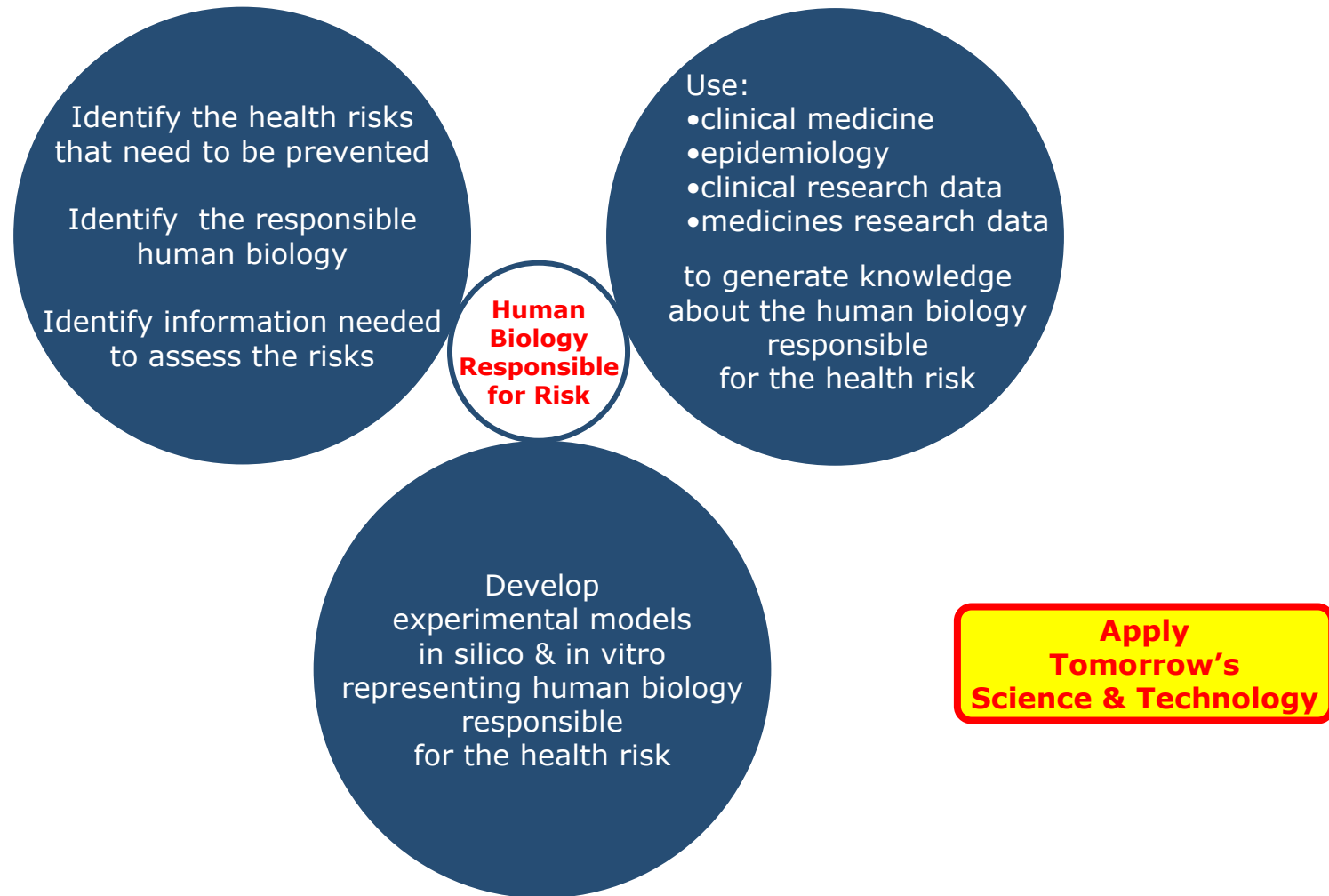


Building the bridge



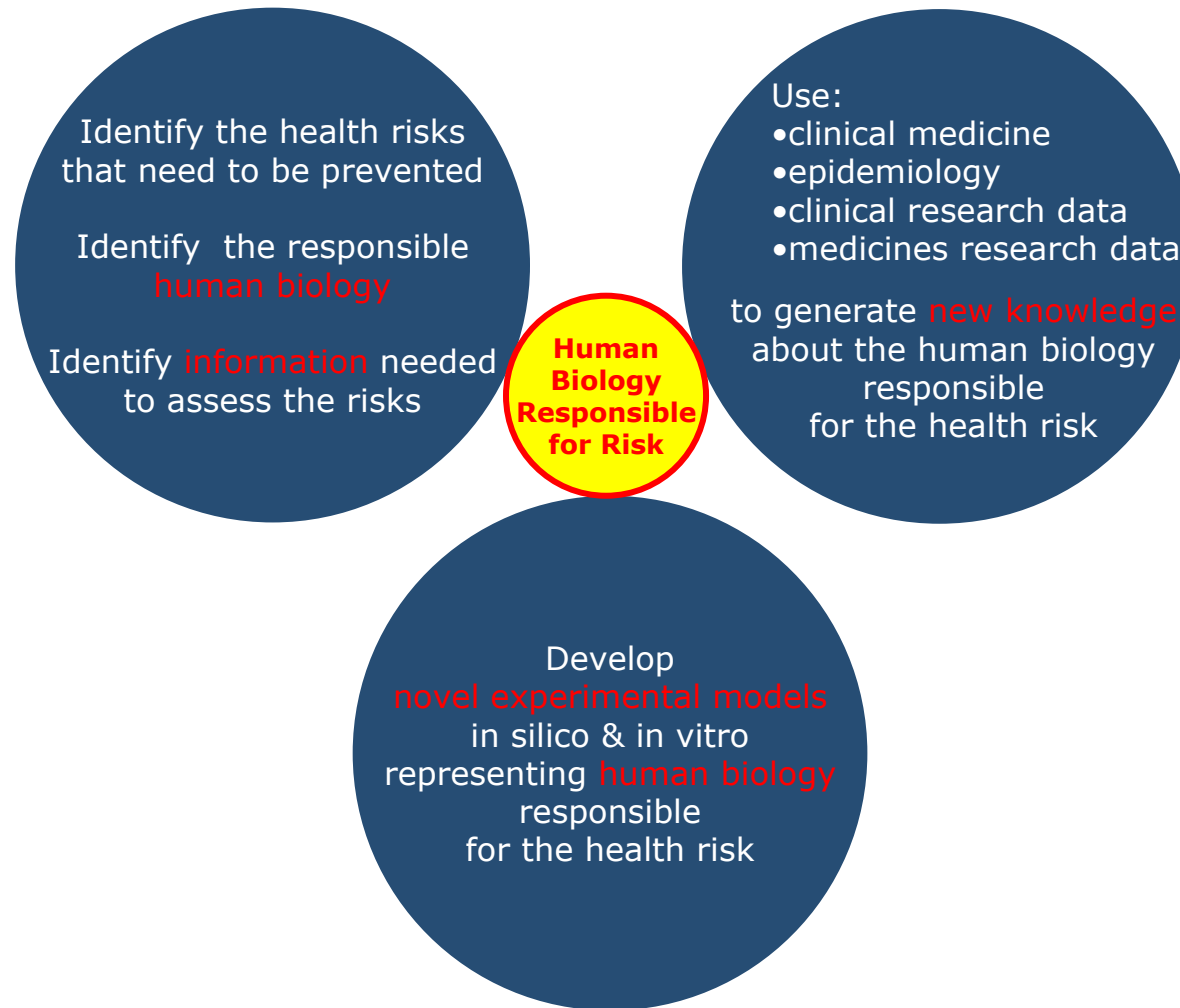
Building the bridge

ASAT-concept in a nutshell



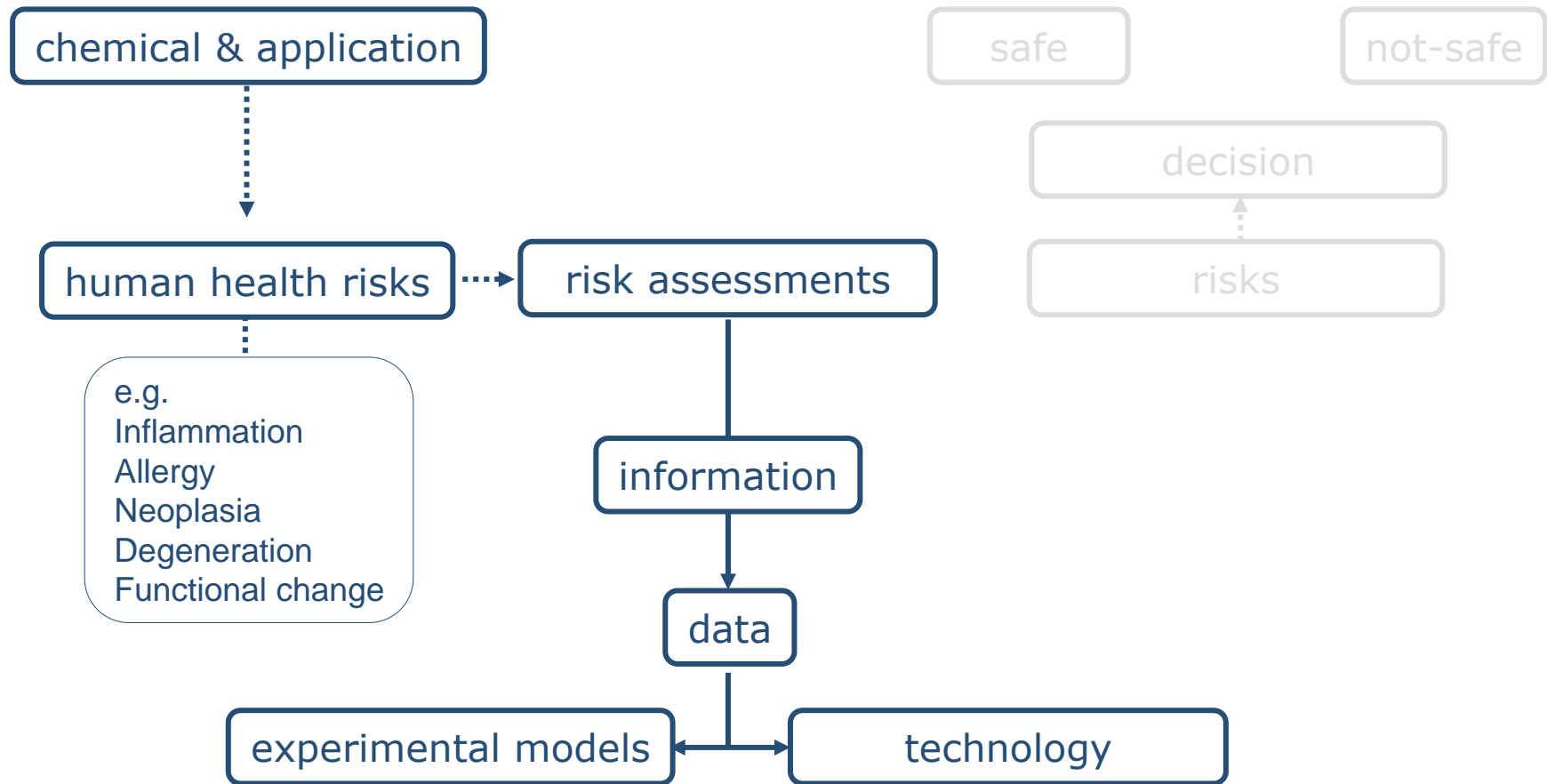
Building the bridge

ASAT-concept in a nutshell



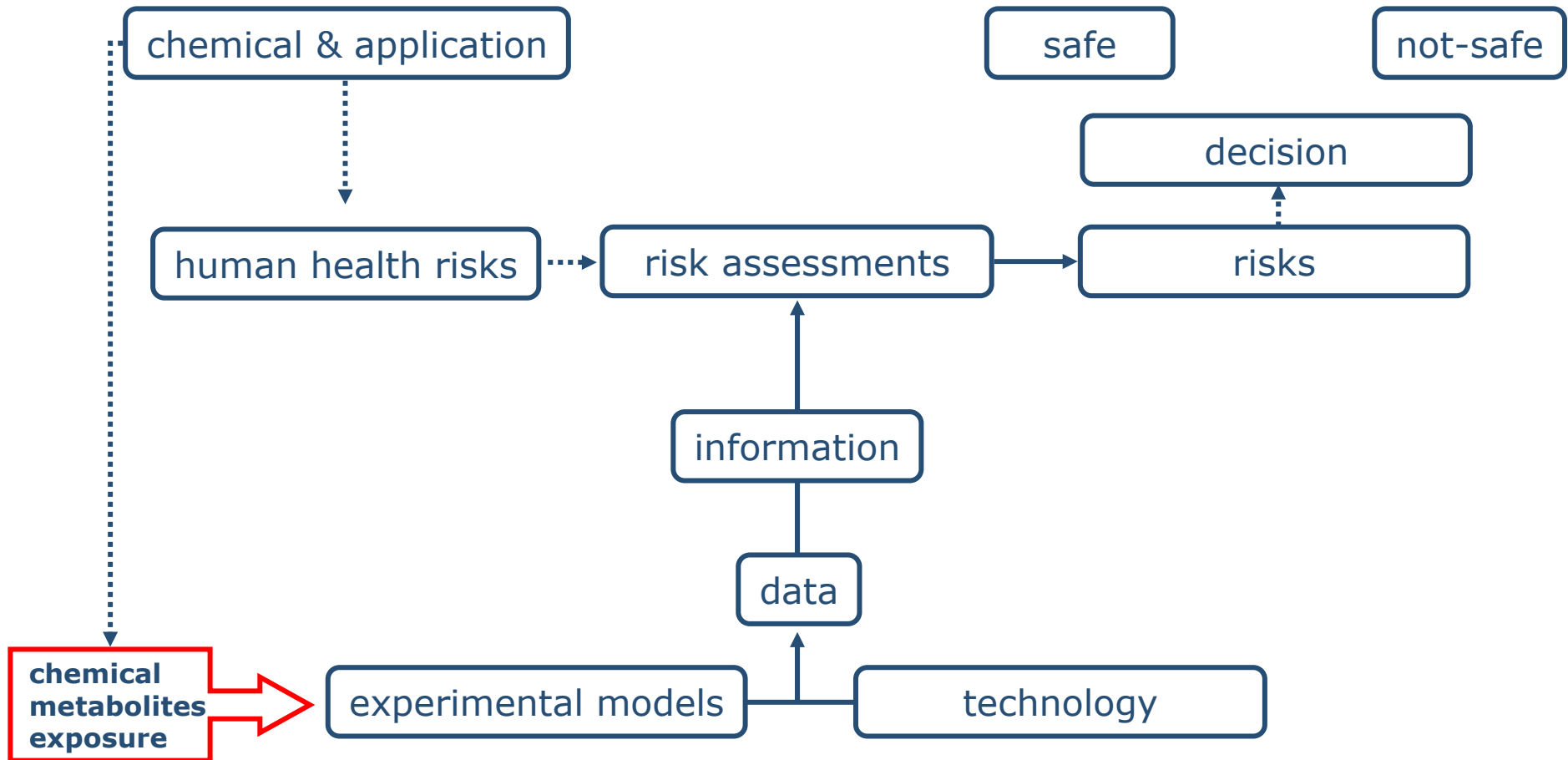
Building the bridge

ASAT development



Using the bridge

Application in a nutshell



History

- 2003 concept developed
- 2004 concept published
- Unilever has invested € 3 mio p.a. since
 - Supports EPAA
 - Supports Colipa/EU fund launched this summer
- ASAT-Initiative
 - Work shops 2008 and report
 - www.ASAT-Initiative.eu
- Netherlands Government
 - October 2008-2009 ASAT Innovation Programme
 - € 1,2 mio one off
 - What next decision is pending

ASAT-Foundation

- Founded Oct 2008:
 - Independent, neutral and science based
 - Charity not for profit
- Funding
 - Donations, gifts
 - Subsidies
- Objectives:
 - Supporting ASAT research activities
 - Making the ASAT approach known
 - Advancing ASAT communication
 - Developing ASAT community
- Does not fund research activities

Back up

Risks – Chemical - Application

Safety = No Harm and Disease

Safe = Risk we are prepared to accept

human health risks

risk assessments

e.g.
Inflammation
Allergy
Neoplasia
Degeneration
Functional change

What are the risks we want to assess in order to be satisfied that their use is safe?

Matrix

Chemical Application	Primary contact Skin, Intestine, Lung, etc	Systemic: Liver, Kidney, Bladder, Lung, Heart, Pancreas, etc	Systemic: Thyroid, Parathyroid, Adrenals, etc	Systemic: Bone, muscle, connective tissue, etc	Systemic: CNS, Ear, Eye, etc
Inflammation					
Allergy					
Neoplasia					
Degeneration					
Functional change					
.....					

Warp & Woof

medicines		reduce & refine	reduce & refine
rodenticides		reduce & refine	reduce & refine
insecticides			
herbicides			
fungicides			
disinfectants			
other			
chemical by intended use	safety general	safety relating to mechanism of action	efficacy





This paper was produced for a meeting organized by Health & Consumers DG and represents the views of its author on the subject. These views have not been adopted or in any way approved by the Commission and should not be relied upon as a statement of the Commission's or Health & Consumers DG's views. The European Commission does not guarantee the accuracy of the data included in this paper, nor does it accept responsibility for any use made thereof.