

Assessing compounds using an animal free testing strategy

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Introduction

Galapagos is actively engaged to refine, reduce and replace (3Rs) testing involving the use of animals to the greatest possible extent.

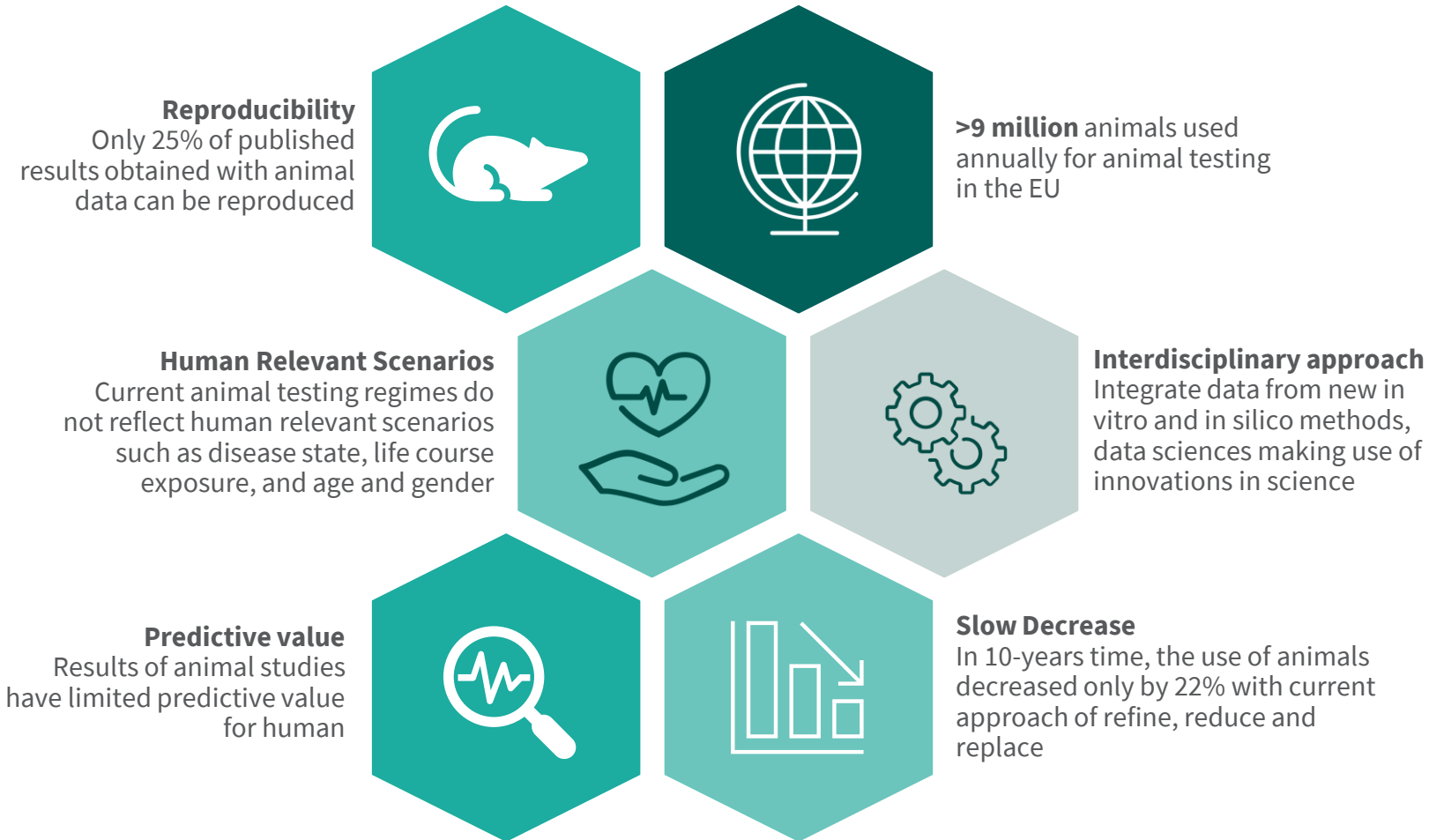
- Currently *in vivo* studies remain essential in drug development
- In parallel there is an increasing societal pressure for alternative methods
- Cost of developing and validating alternative methods is high for small pharma companies

To **accelerate an animal free testing strategy** Galapagos has partnered with other stakeholders in the Virtual Human Platform for Safety Assessment



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The Challenge

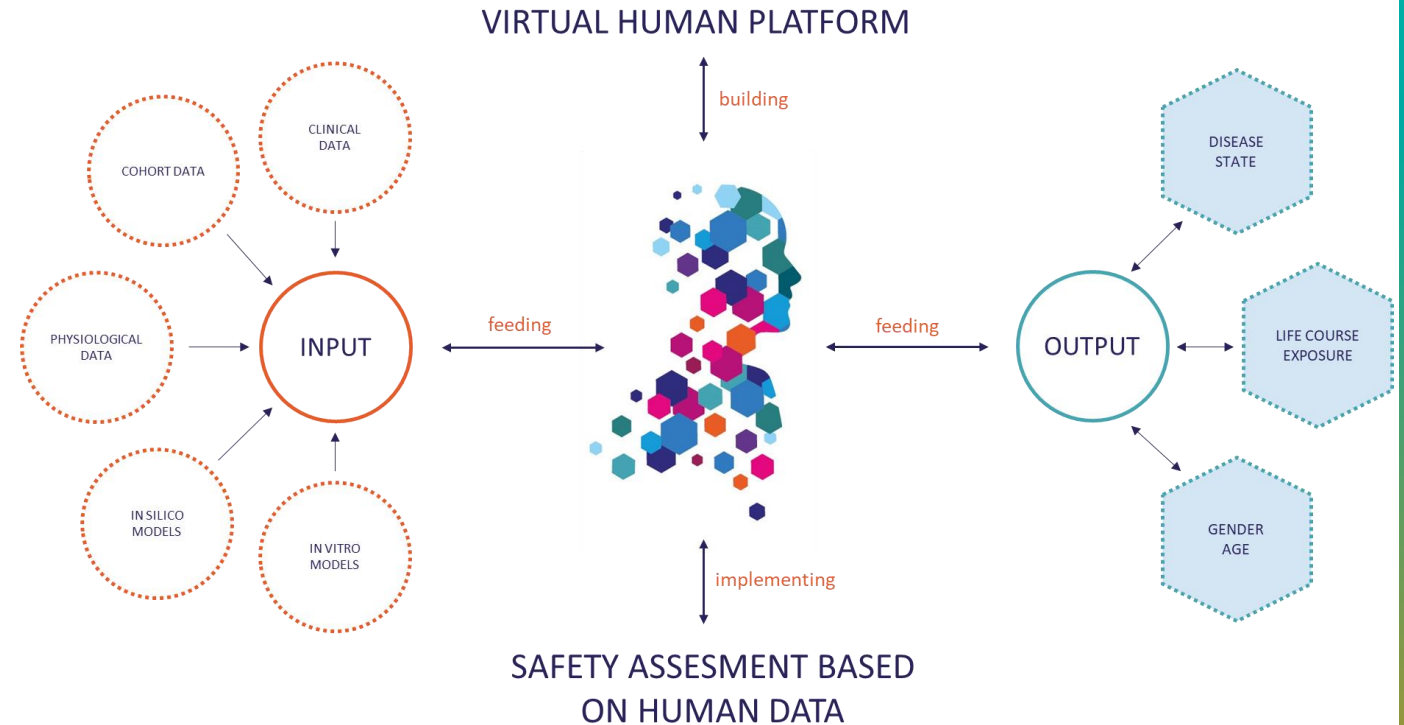


MISSION

- Improve the identification of the potential harmful effects chemicals and pharmaceuticals on a holistic interdisciplinary definition of human health
- Accelerate the transition from animal-based testing to innovative safety assessment based on human data

Virtual Human Platform

- Three interacting research lines
 - Building
 - Feeding
 - Implementing
- Collaboration between academia, industry, government and societal partners
- Integrating data on human physiology, chemical characteristics and perturbations of biological pathways. Incorporating
 - Human-relevant scenarios,
 - Chemicals from different sectors
 - Different regulatory and stakeholder needs



Summary

Galapagos is actively engaged to refine, reduce and replace (3Rs) testing involving the use of animals to the greatest possible extent

To **accelerate an animal free testing strategy** Galapagos has partnered with the Virtual Human Platform for Safety Assessment (**VHP4Safety**)

- Improve the prediction on a holistic interdisciplinary definition of human health
- Accelerate the transition based on human data
- Use human relevant scenarios
- Interaction with various stakeholders
- Cloud-based prototype platform: <https://cloud.vhp4safety.nl>