

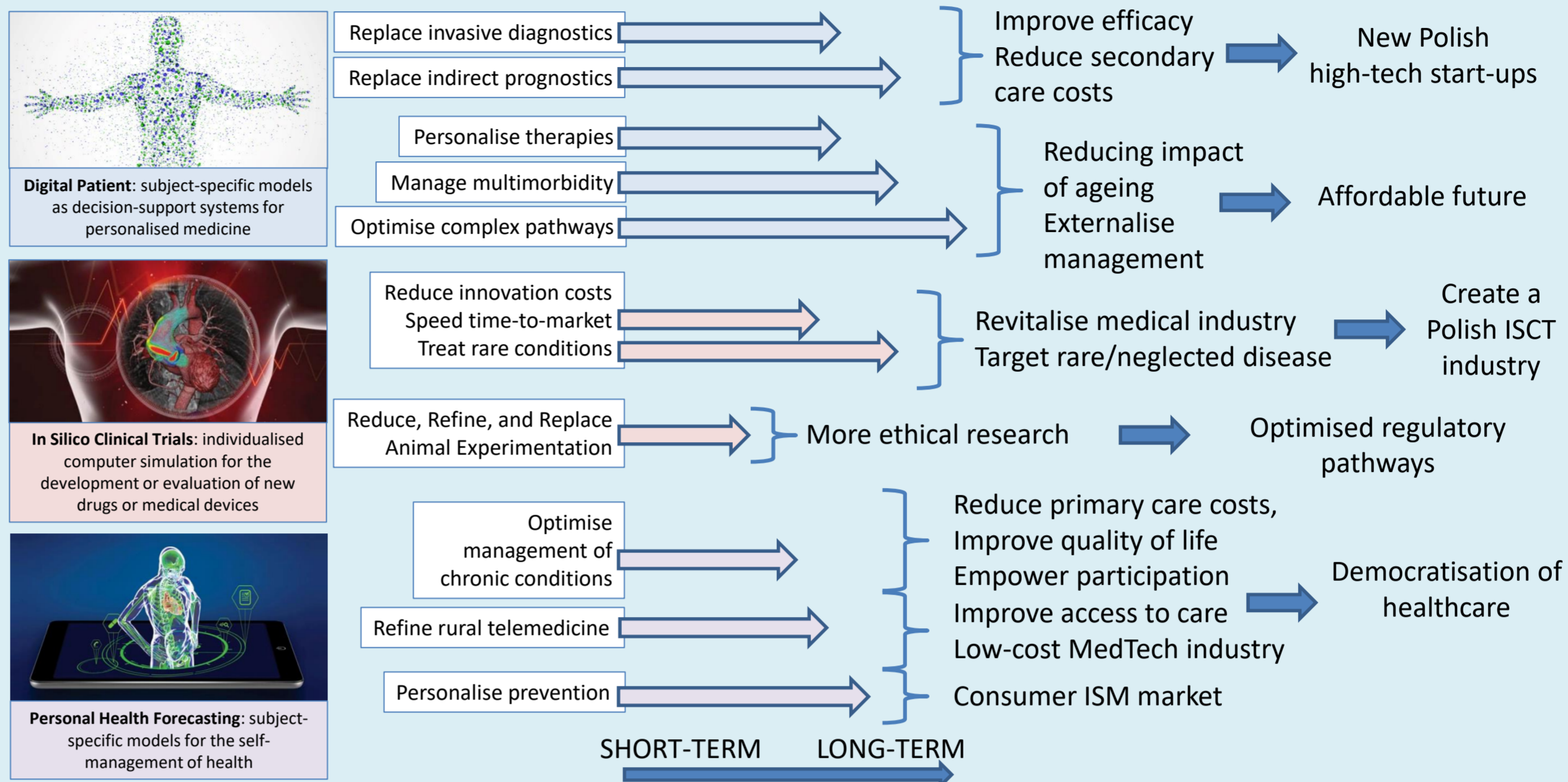
# A Centre for New Methods in Computational Diagnostics and Personalised Therapy

This EU H2020 'Teaming for Excellence' project develops a Business Case to establish in Poland a European centre of excellence for computational medicine.

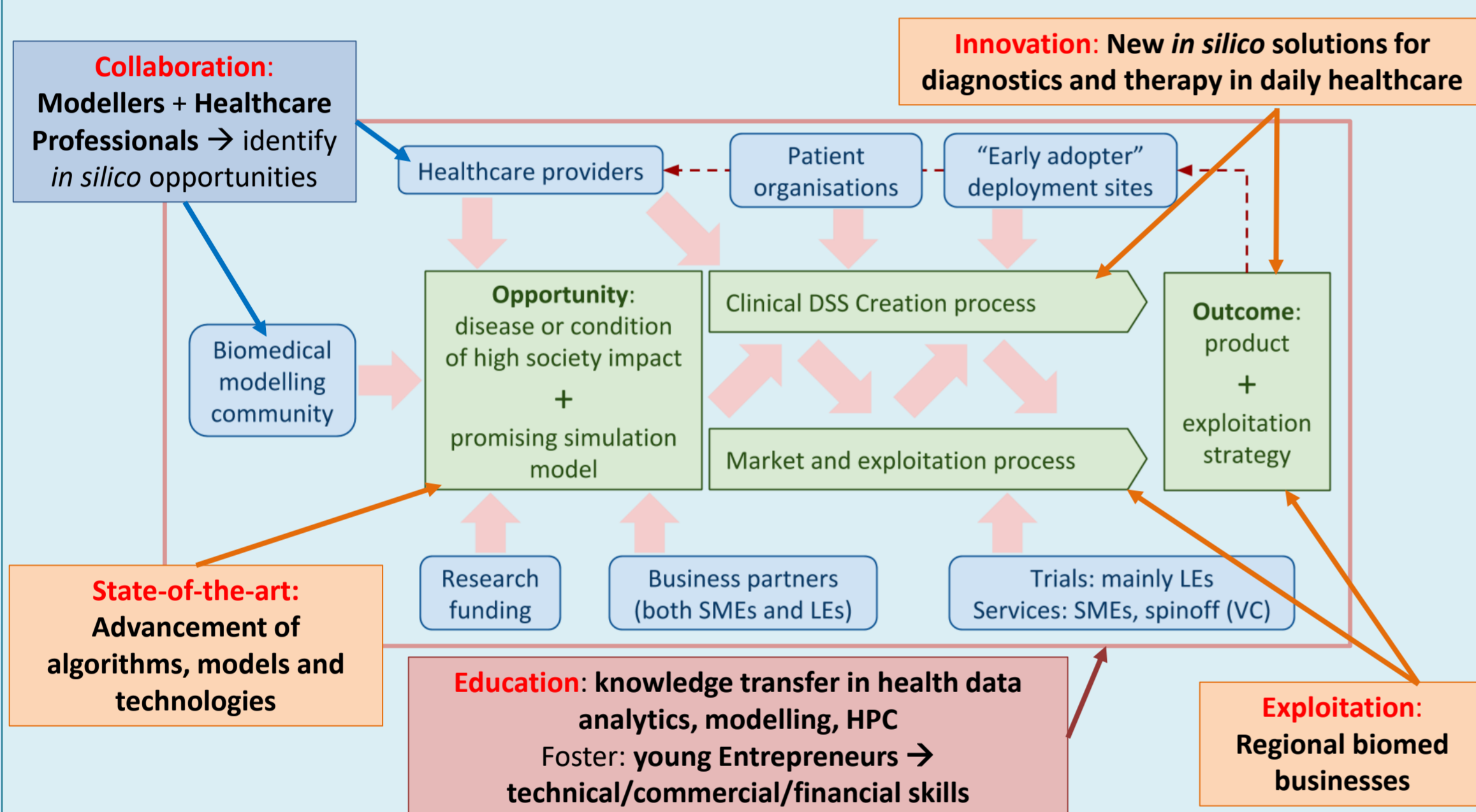
## Objectives

- Health:** Development of new computation-based solutions for diagnostics and therapy in daily healthcare.
- Technology:** Systematic involvement of regional biomed businesses, specialising in technologies and services for personalised medicine, in high-profile research projects and clinical adoption of their outcome.
- People:** Development of education initiatives to train knowledge workers with the skills in data analytics, simulation, and HPC/Big Data, to respond to the growing demand for skilled workforce in medical devices and bio-engineering.
- Science:** Strong advancement of algorithms, models and technologies involved in personalised medicine, including design of holistic, replicable, generic framework for simulation-based Decision Support Systems (DSS) creation.

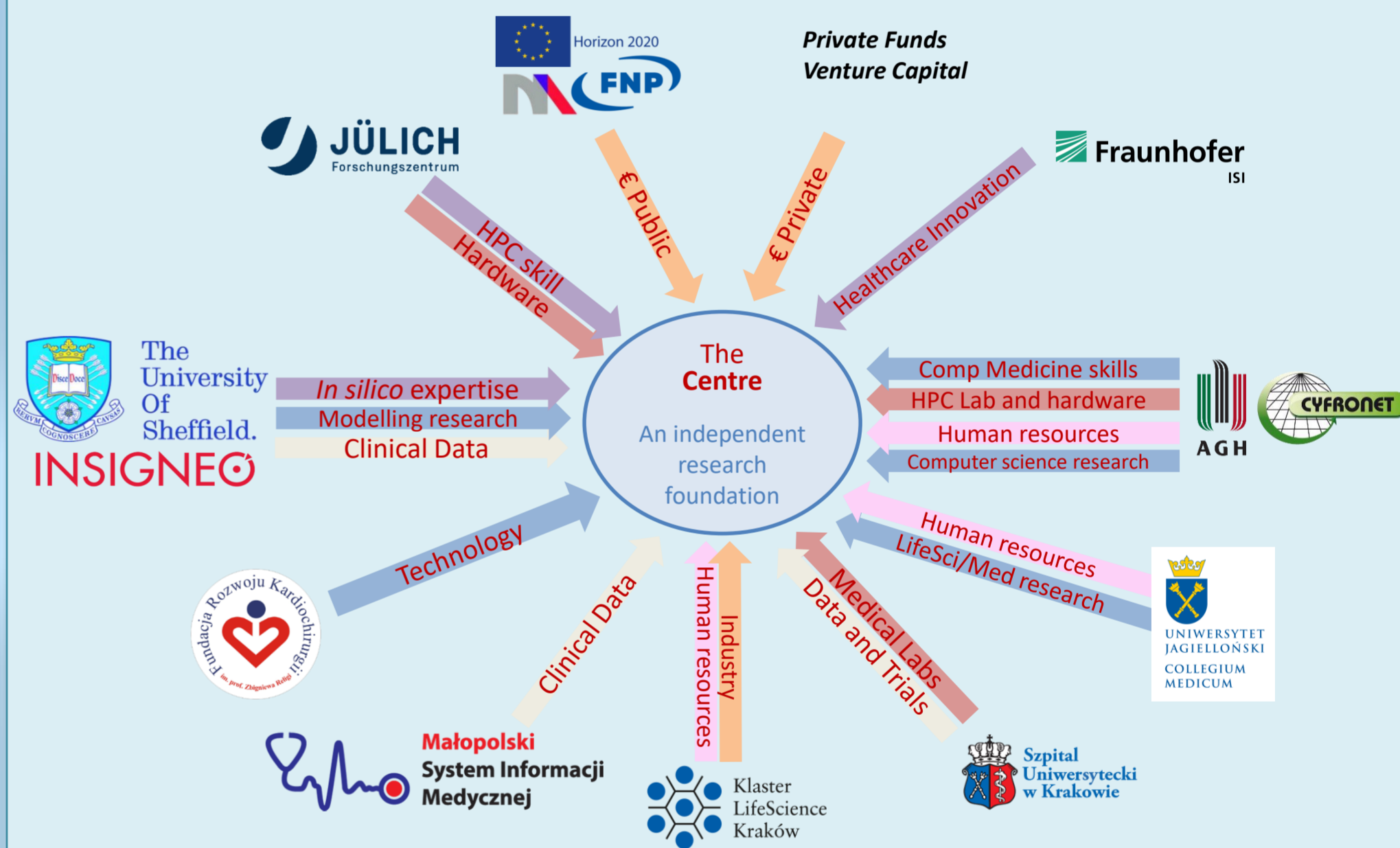
## Impacts



## Methodology



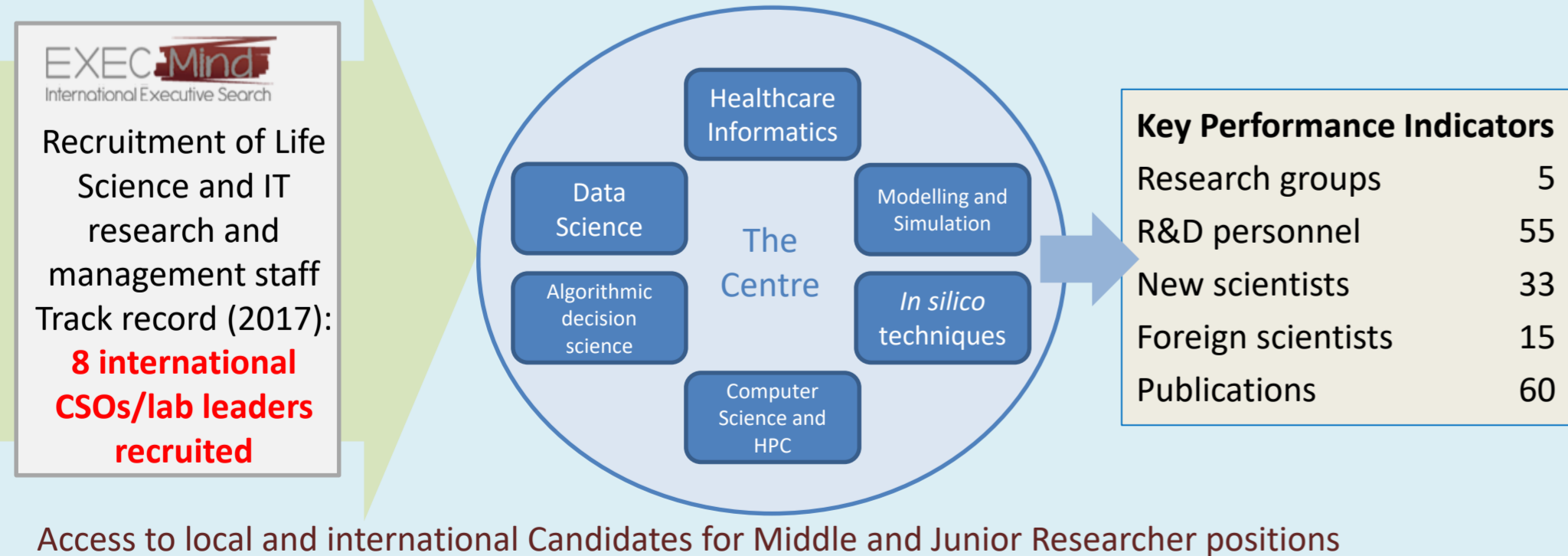
## International Consortium and Environment



## Human Resources: Key to Success



Top international candidates for the Directorship, and Laboratory Leaders



Access to local and international Candidates for Middle and Junior Researcher positions

## National and Regional Opportunities

Poland, and in particular Kraków, are well positioned to play a key role in computational medicine:

- Kraków scientific community educates large numbers of medical and IT professionals, and routinely engages in interdisciplinary research with Europe's world-leading *in silico* research community.
- There are many research hospitals in and around the city.
- The life science companies have entered a phase of rapid growth.

The project is coordinated by Polish National Centre for Research and Development, and Małopolska (Kraków) region authorities are strongly involved in, to achieve adequate alignment of the Centre's goal with national and regional specialisations and development strategies.

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