

Sports and Technology

Innovation in practise

Case Nano4Sports

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Creating value through Smart Connections



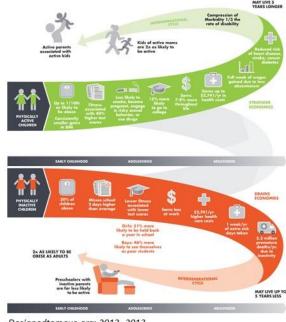
Innovation & the challenge of vitality

Through:

- Q-helix cluster collaboration
 - Sports
 - Business
 - Knowledge
 - Government
- Open innovation
- Support in the innovation funnel



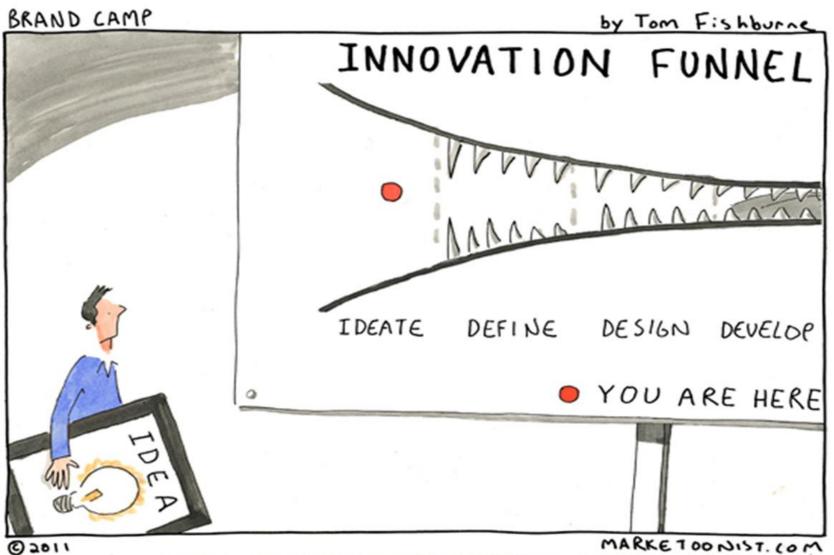
FISCH NW MOVE

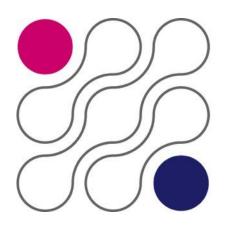


Designedtomove.org; 2012, 2013



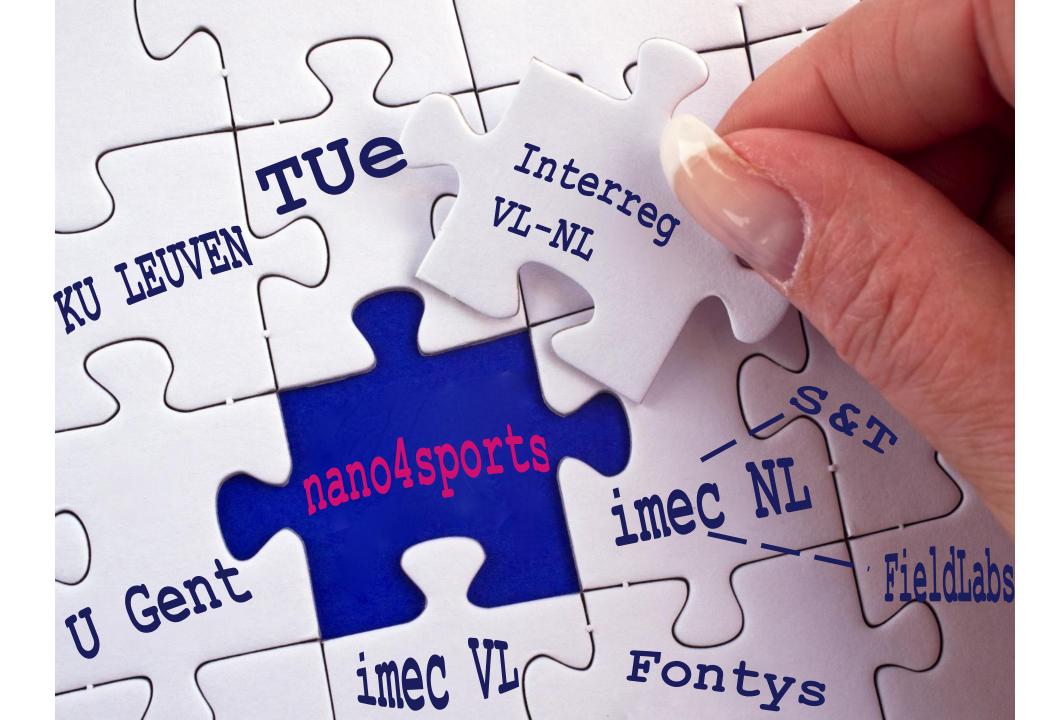
The innovation funnel

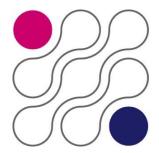




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TECHNOLOGY FOR AN ACTIVE LIFESTYLE





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TECHNOLOGY FOR AN ACTIVE LIFESTYLE





Europees Fonds voor Regionale Ontwikkeling



Ministerie van Economische Zaken





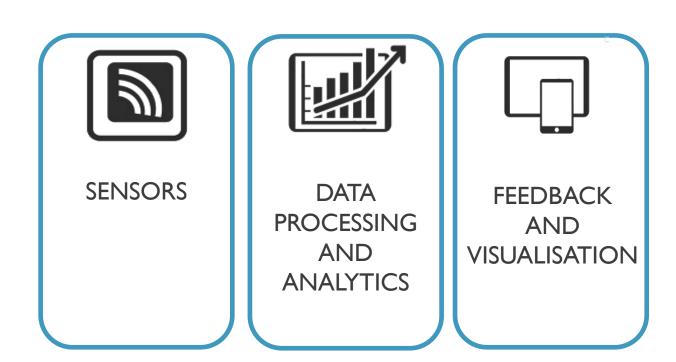
Provincie Noord-Brabant



GOALS

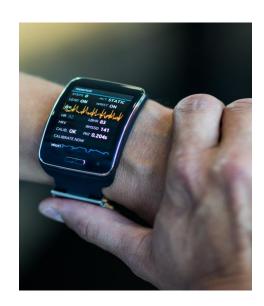
Develop sensors, data processing, analytics and feedback solutions for sports to:

- Improve performance
- Reduce/prevent injuries
- Motive people to have a more active life
- Increase participation in sports



LOW-POWER SENSOR SYSTEM

BUILDING ON MEDICAL EXPERIENCE OF IMEC







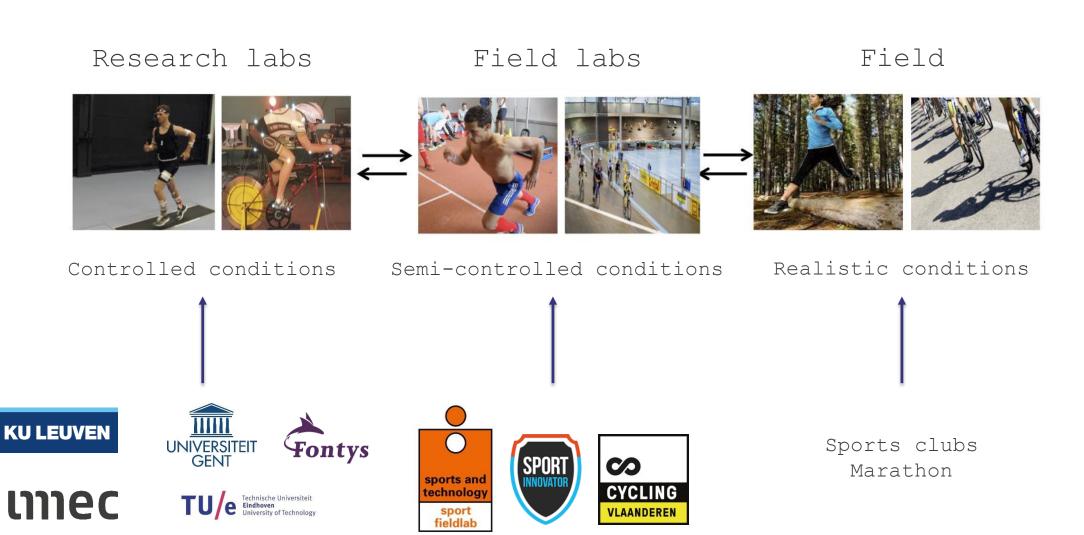




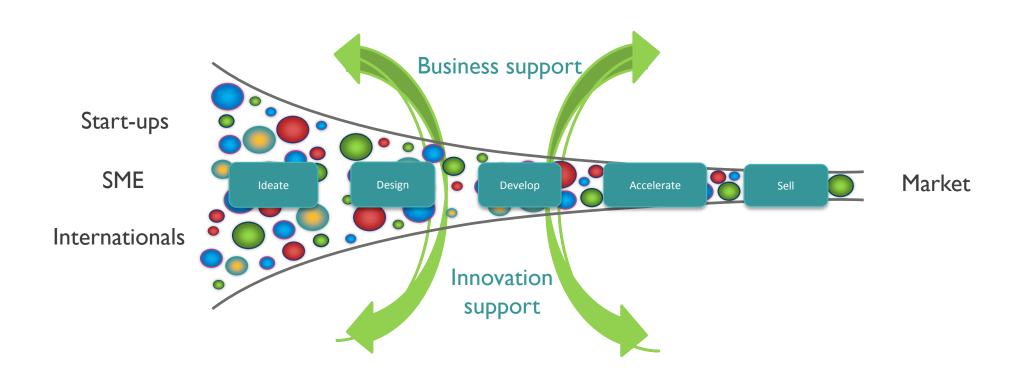
Nano4Sports: 4 use cases

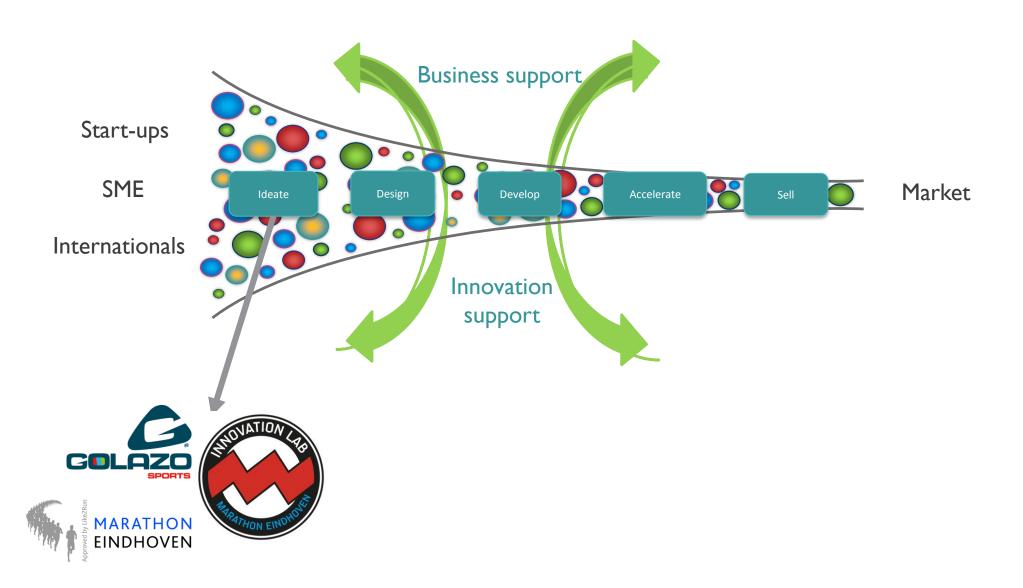


FROM RESEARCH TO REALISTIC APPLICATIONS

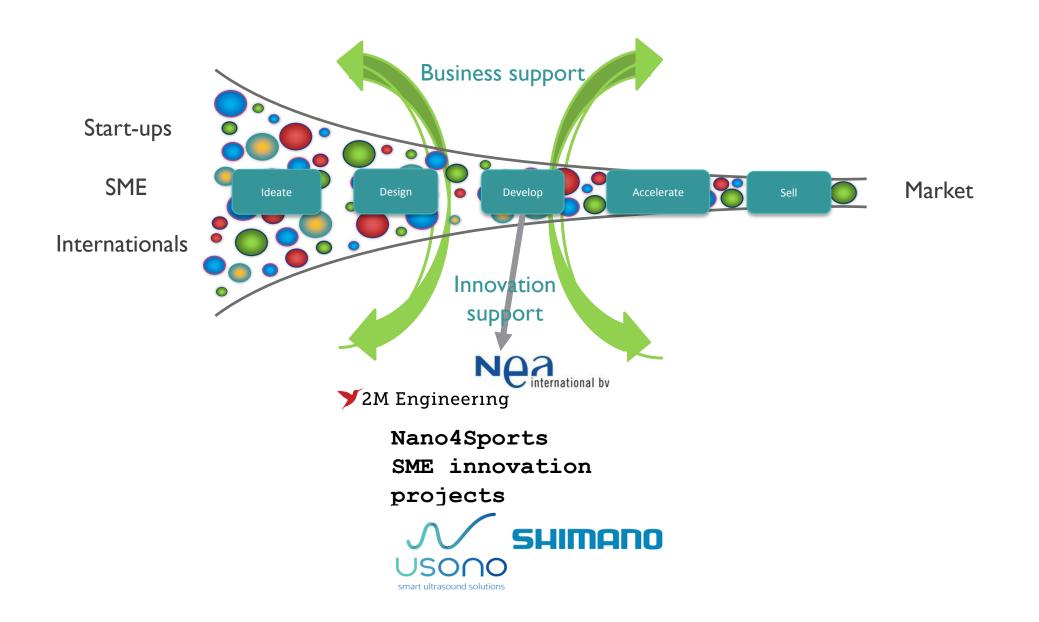


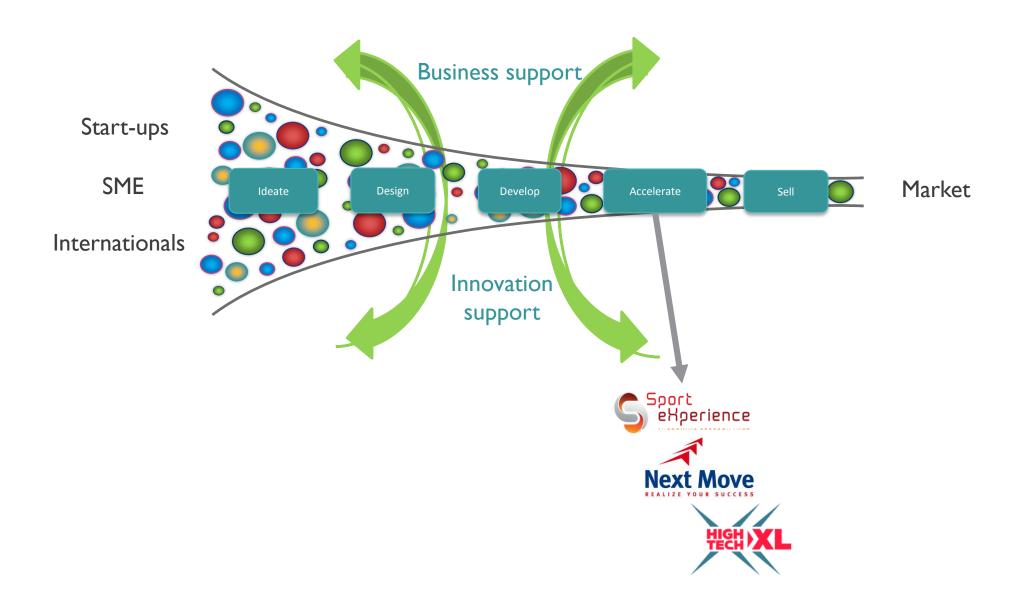
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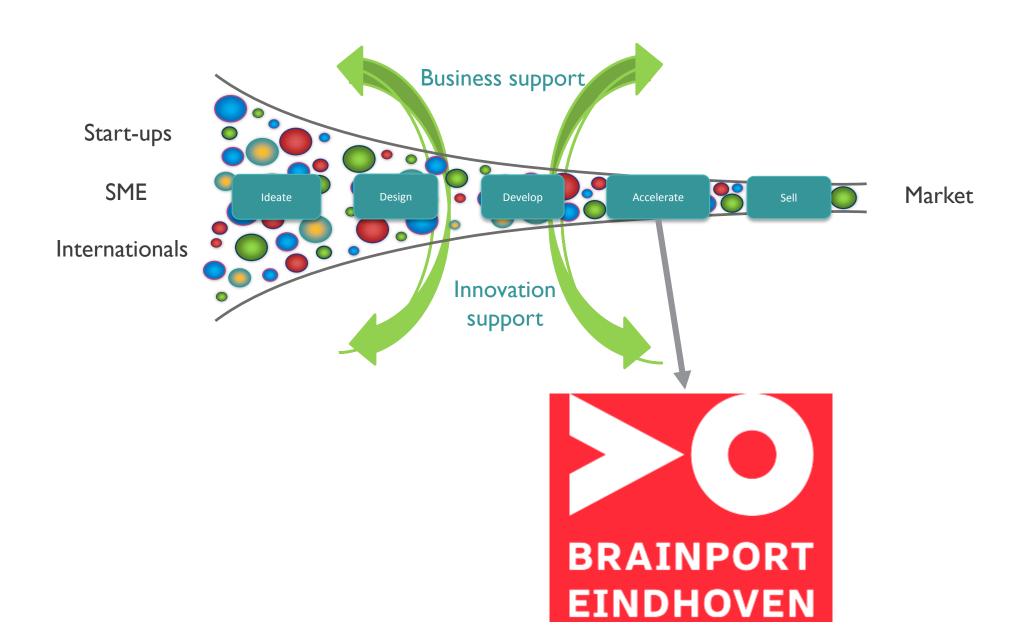


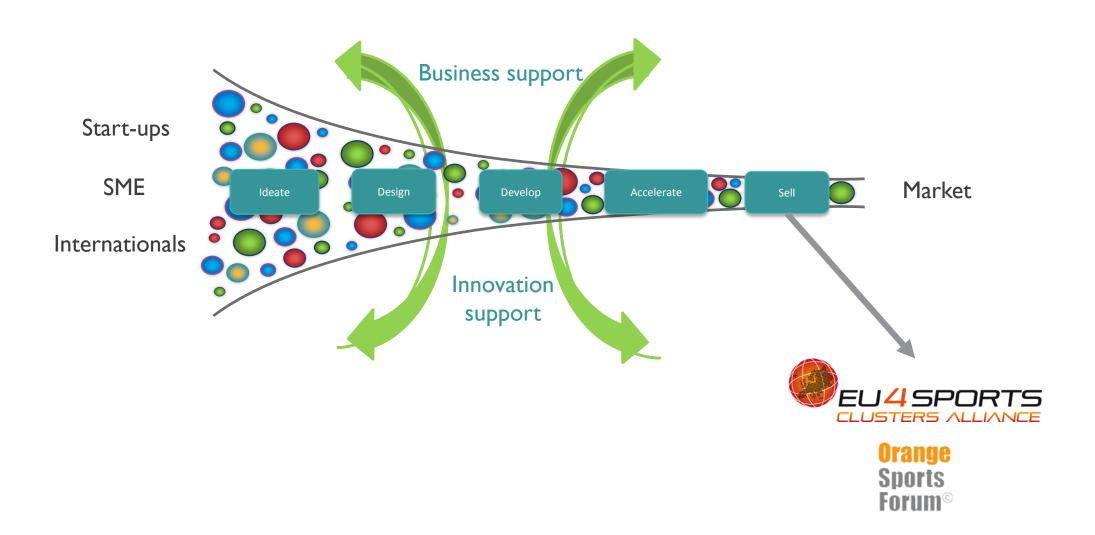


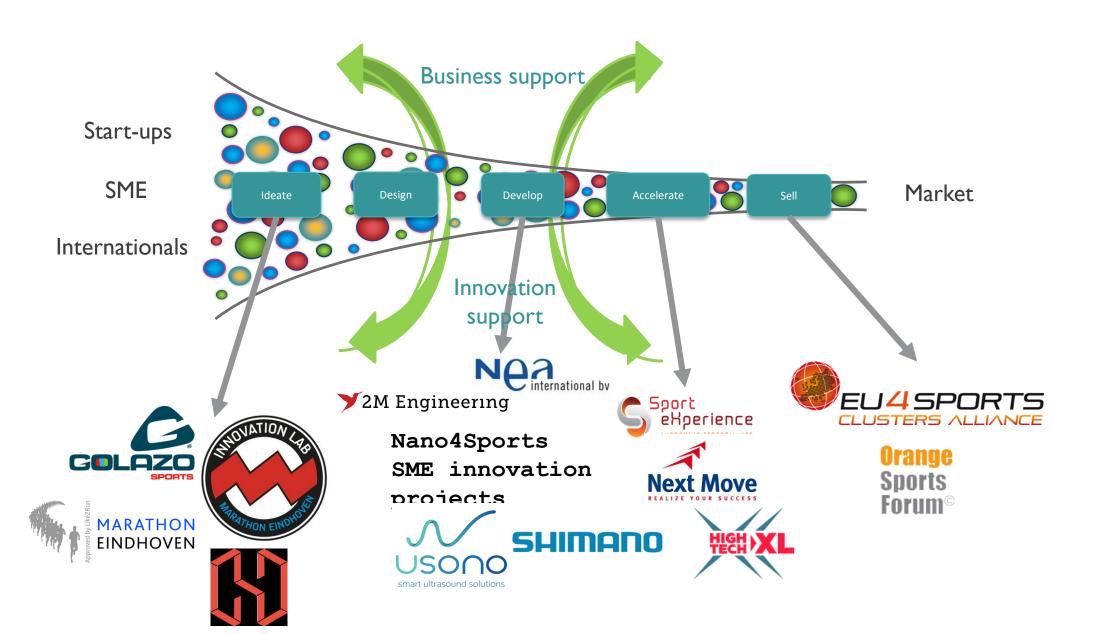
Nano4SPORTS & the innovation funnel Technische tekening Video lane 20 meter HILLIAM STATE 2018 sports and technology sport fieldlab











Sports innovation in practise:

- Create end-user value & business
- Regional strengths:
 - Living labs
 - Knowledge infrastructure
 - Design & Technology
- The Brainport eco-system for business support

Collaboration in the Q-helix:

- **S**port
- Knowledge
- Business
- Government

