

Smart Vital Urban Areas

Health data for innovation - Opportunities and societal challenges

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Cluster Sports & Technology:

operating from the heart of Brainport region, South Netherlands

Brainport region: Leading technology region in Europe

Create innovative solutions for societal challenges

Open innovation

International network

Cross overs sport, society, health, nutrition, design





The Challenge

Inactivity kills, and we're sitting on a ticking time bomb

Deaths caused in Europe every year by not moving enough:



(over 1 in 10 deaths)



If we do nothing, lack of exercise could soon cause more deaths than smoking. But the burden isn't shared equally – some countries are more inactive than others.

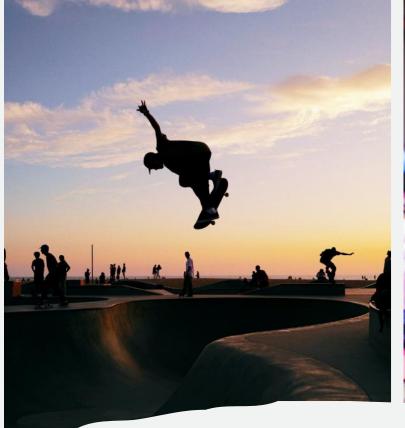




How can we use innovation and smart technology...











....to stimulate healthy active lifestyle ...



















...in Smart Vital Urban Areas.

- Q-helix cluster collaboration at a crossregional level ...
- ...to foster public-private investments & revenues in innovative projects...
- ...to create smart vital areas/cities/regions
 - Strong Cluster/SME involvement
 - Public-Private business cases
 - Co-creation (Living lab approach) of nonobtrusive, intuitive innovations
 - Data driven; evidence based



Generate relevant data for innovation and business development by identifying market demands





Create smart innovative solutions (products and services)





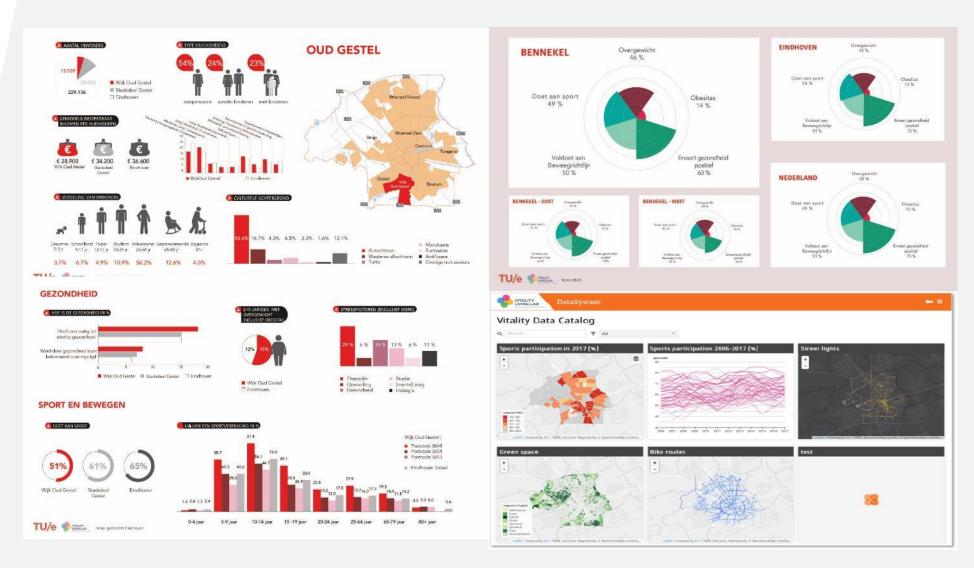
Scale up of business by new business models and public-private partnerships





Use public data on health & activity...













...to create innovative ideas and bring them to projects, start-ups and business...



















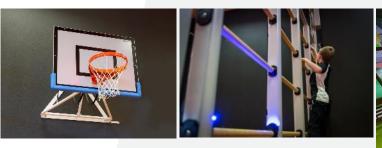








...and create smart engaging urban areas.





























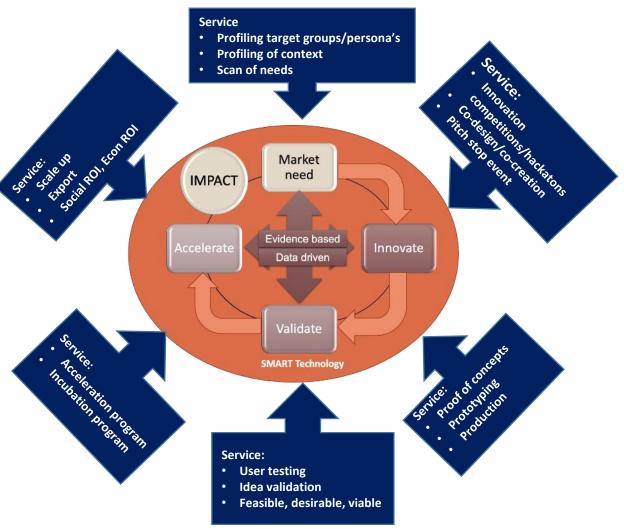


We use a structured innovation cycle...

Collaboration and coordination

- Knowledge parties to provide expertise & IP
- Innovation parties to support businesses
- Living labs to support innovation & validation
- Business support parties for acceleration & incubation
- Municipalities to provide market & citizen access

Data as a support mechanism for the innovation process





...in a Q-helix Innovation Cluster for Sports & Vitality.







>130 companies (SME)

10 independent

SportFieldLabs (living labs) within region

Excellent **Knowledge network** IMEC, TNO, TU\e,..

Link to **public sector**

A breeding place for innovation and business creation in sports and vitality



We believe in international collaboration...



Founding member of **EPSI**

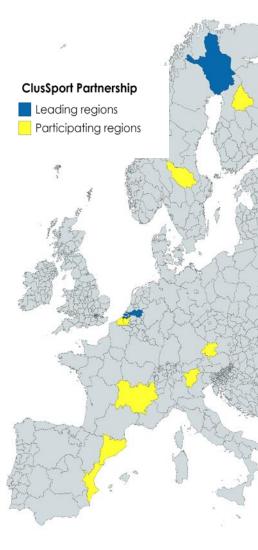


Co-leader of ClusSport: S3 platform Industrial Modernisation

- Combining excellences of 14 regions and clusters
- Building upon regional ambitions and excellences
- 5 submitted projects; 9 in pipeline

Active in **EU Projects** (e.g.):

- Profit Project, Interreg NWE, Strengthening the field lab concept (4 regions, 6,0 M€)
- Inno4Sports, Interreg EU, Sport for Growth and Vital Communities, (4 regions EPSI; 1,5 M€)
- Nano4Sports, Interreg VL/NL, Sensor applications for Sports & Vitality, (2 regions, 4,4 M€)
- SmartSports4GoodLife, Cluster Excellence, on Sports & Vitality (4 Clusters. 0,4 M€)
- Vitality Living Lab, ERDF, Innovation ecosystem on sports & Vitality (South NL, 5 M€)



ECCP Bronze cluster label





... with regional and EU support...

Regional coordination

• Interreg Europe Inno4Sport project.

• Reconfirm, S3, Industrial Modernisation

ReConfirm

Provincie Noord-Brabant









TAF support



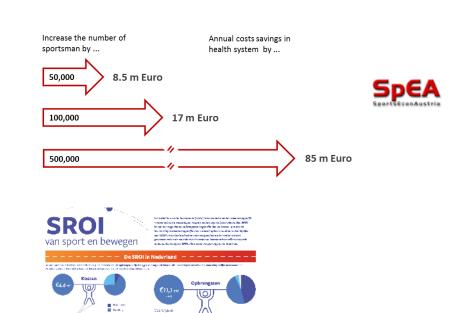






...to create result and impact!

- Economical impact: EU-scalable business cases
 - Innovative products and services
 - Jobs
 - Commercial revenues
- Societal impact: Liveable cities
 - Healthy active citizens
 - Fit for job & for life
- Data driven and Evidence based innovations











Conclusion: Investment in Sport & Vitality pays off

- An emerging network exists
 - Market needs and business opportunities as driver for innovation cycle
- Transition from societal challenges into public-private business models
 - Investing in health without investing in health systems
- Data as a support for the innovation process:
 - public and private innovation, validation & acceleration
 - change public-private paradigm on investment and ROI