



Health innovations – the Swedish approach

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Future Health

Treatment

Diagnos
s

Prevention

Care
services

Lifestyle

Environme
nt

Safety

New
technology

Open
innovation

Lifescienc
e

Work life



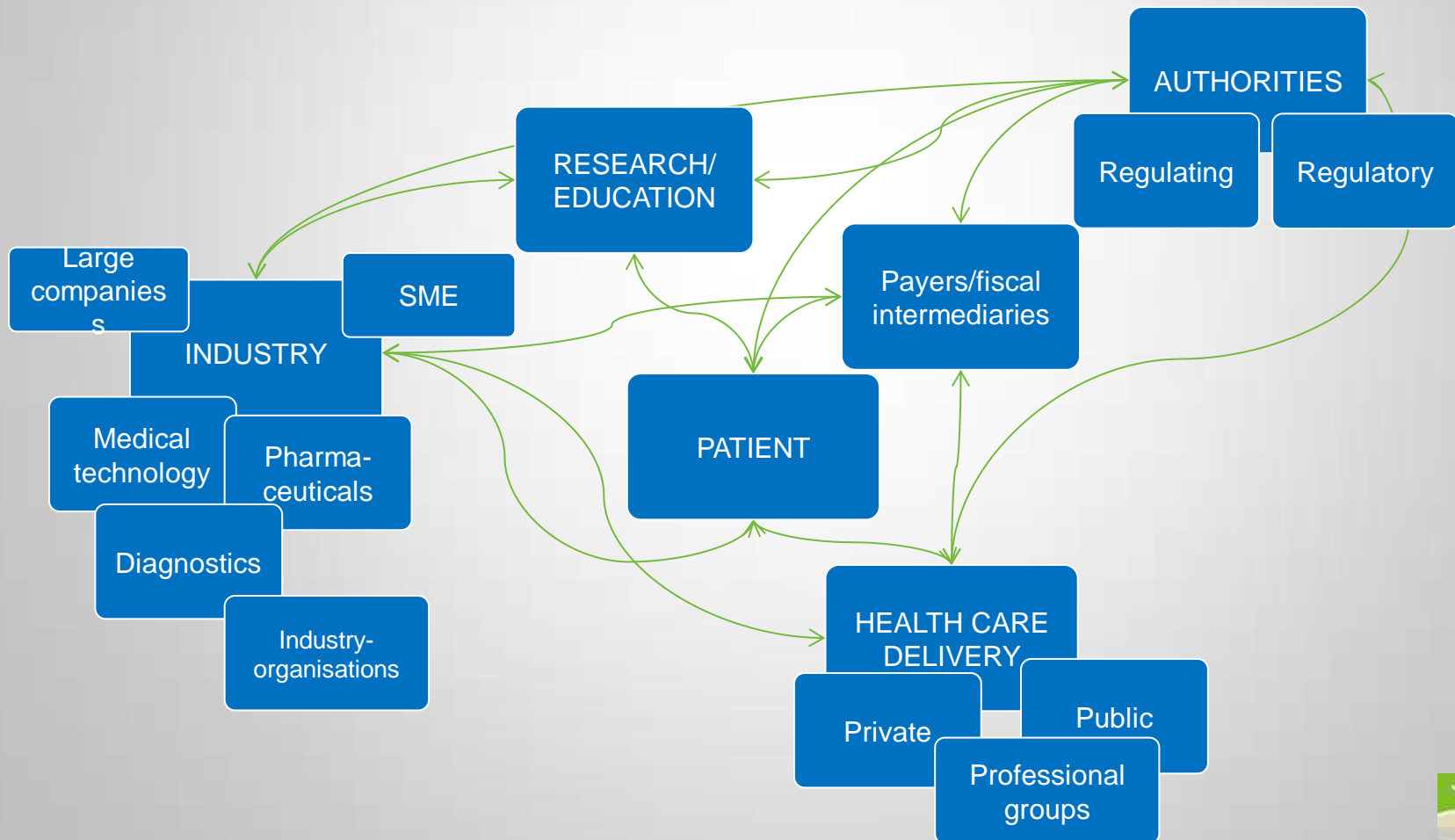
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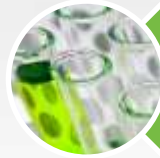
ECOSYSTEM

for health/lifescience/health care/





Sectors



Research fields



Technologies



Types of Actors



Nations

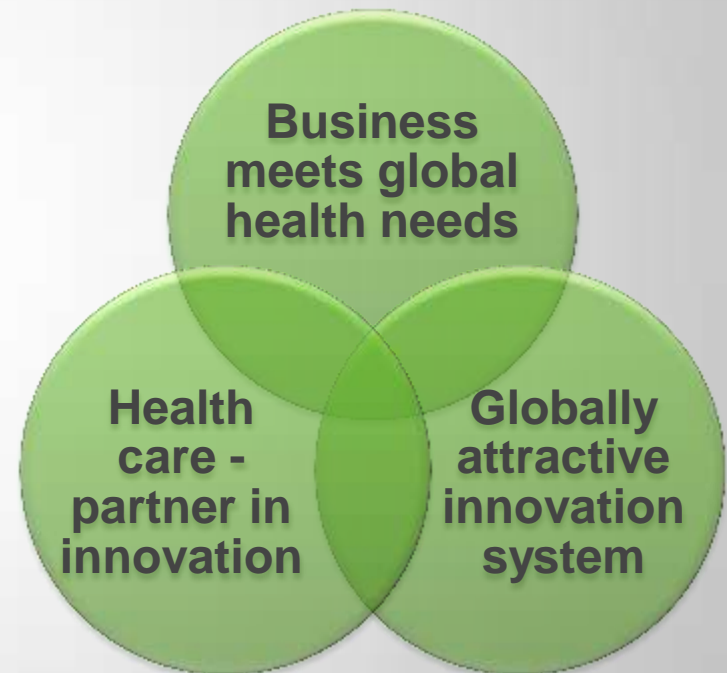
Collaboration is the basis for all
VINNOVA funding

Strategy for Health Innovation

CHALLENGES

- Global re-structuring in lifescience
- Global health challenges: lifestyle, demographic changes, etc
- Health care challenges; cost vs quality – innovation potential
- Weak links between high-quality research and needs-driven innovation

VISION



Ongoing programs in health

Strategic
innovation areas

European
collaboration
programs

Test beds

Innovation
hubs

procurement,
reimbursement
models

R&D&I
Projects

Collaboration
Business,
Public sector &
Academia

International
collaborations

Incubators

VINNOVA is supporting the whole process

– from idea to reality!



- Capture ideas from individuals and companies!
- Promote creativity!
- User-driven innovation!
- Creating projects!

**Research
and
development**

Testbeds

- Does it work?
- Does it provide value?
- Validate and demonstrate!
- Create generic implementation models!



- Identify innovation needs!
- Challenge the industry!
- Respond to the needs of your organization!
- Create new markets!

Implementation

Roadmap for the future

- Reform health care –public sector should be a partner in innovation
- Provide evidence for the outcomes
- Work closely with regulatory agencies
- Promote Incentives such as reimbursement models, public procurement etc.
- Support databases/registries
- Public Private Partnership
- DIGITALISATION

The Economist

FEBRUARY 2ND-9TH 2012

economist.com

Immigration: Obama gets it right
The rift between China and North Korea
Can Egypt's revolution be rescued?
How to reform America's lawyers
The mystery of the Birdmuda Triangle

The next supermodel

Why the world should look at the Nordic countries

A 14-PAGE SPECIAL REPORT

VINNOVA

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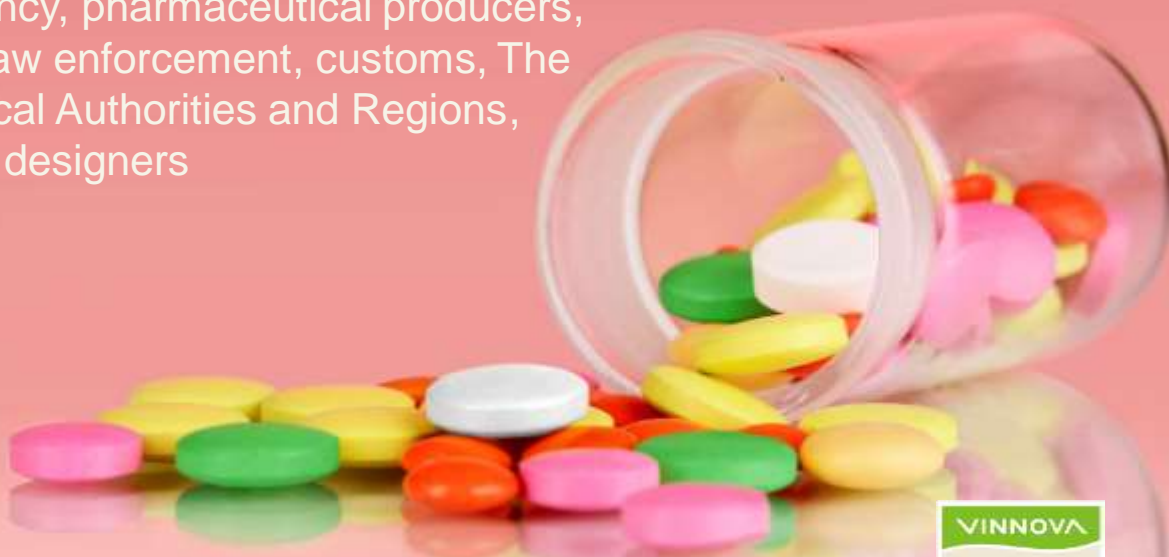
Smedpack

-  Falsified medicines is growing and a global problem with serious consequences
-  Increase the security in supply chains of the legal medicines, e.g. security and tamper-evident features of the packages, consumer apps and collaborating with Europe
-  The Medical Products Agency, pharmaceutical producers, pharmacies, universities, law enforcement, customs, The Swedish Association of Local Authorities and Regions, counties, labelmakers and designers

CHALLENGE 2015-2017

Future
Healthcare




STEP



VINNOVA

VINNOVA

Digipat – Optimized Workflows and IT tools for Digital Pathology

-  Increased patient safety through faster and high-quality diagnosis
-  IT tools for digital pathology that can provide groundbreaking improvements with respect to efficiency and quality of care
-  Counties, hospitals, laboratories, medtech companies, universities and research institutes

CHALLENGE 2015-2017

Future
Healthcare

STEP



VINNOVA

VINNOVA

EXDIN – Expert Diagnostic Networks

- 🏔 Distributed collaboration for effective healthcare
- 🔑 A solution that enables specialists to network in order to increase patient safety
- 🏛 Research institutes, universities, medtech companies, counties and regions



CHALLENGE 2015-2017

Future
Healthcare


STEP





VINNOVA

VINNOVA

Cell Health – Implementing Cell Therapy in Public Health Care

 Lack of methods of treatments for patient groups with severe diseases (Parkinson, cancer and diabetes)

 Efficient and large-scale processes for clinical cell production, developed in accordance with regulatory requirements and tested in clinical trials

 Karolinska University Hospital, Karolinska Institute, Vitrolife, GE Healthcare and Biolamina

CHALLENGE 2015-2017

Future
Healthcare

STEP



VINNOVA

VINNOVA

itACiH – IT-support for Advanced Care in Home



Effective and safe care in homes



A system supporting both healthcare providers and patients throughout the entire treatment



University, Region Skåne and companies (medtech, telecom, safety and security)

CHALLENGE 2015-2016


Future
Healthcare


STEP



Patient Journey

 Poor communication in healthcare processes

 A patient centric IT-platform that reduces costs and enables innovation through third party vendors

 Counties and regions, universities, developers, medtech companies, software firms and service providers

CHALLENGE 2015-2016

Future
Healthcare

STEP

