

Knowledge exchange

Procure2Innovate

Johanna Enberg and Maria Öhman, 19 March 2021

Testbeds

Testbeds for Societal Challenges 2018-2028



- 1 billion SEK (appr 87 million EUR) in 10 years for testbeds in the public sector
- At least one call per year
- We want to stimulate that solutions on societal challenges according to the Agenda 2030 goals can be tested in the public sector and thereby contribute to sustainable growth



PUBLIC SECTOR ACTIVITIES

Testbeds

Increase opportunities to test
and develop solutions in real
or real-life environments
in the public sector

Purpose and goals

The purposes of the call *Testbeds for societal challenges* are:

- to increase the ability to test and develop solutions to societal challenges in real or real-world environments of public actors;
- to contribute to such tests in a safe and effective manner.

The purpose and goals of the test bed **programme** is to:

- strengthened innovation capacity in the public sector.
- create lasting structures and processes for more test opportunities and strengthened employee-driven innovation in the public sector.



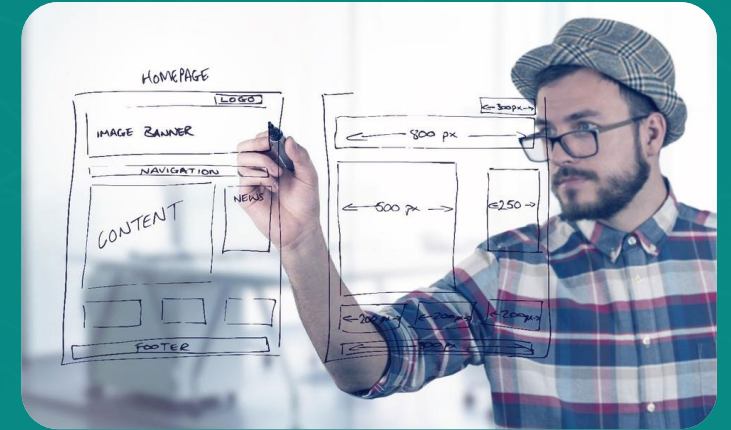
Why testbeds in the public sector?



**PROVIDE INFRASTRUCTURE AND
ENABLE TESTING**



**DEVELOP BETTER SOLUTIONS TO THE
CHALLENGES OF PUBLIC ACTORS**

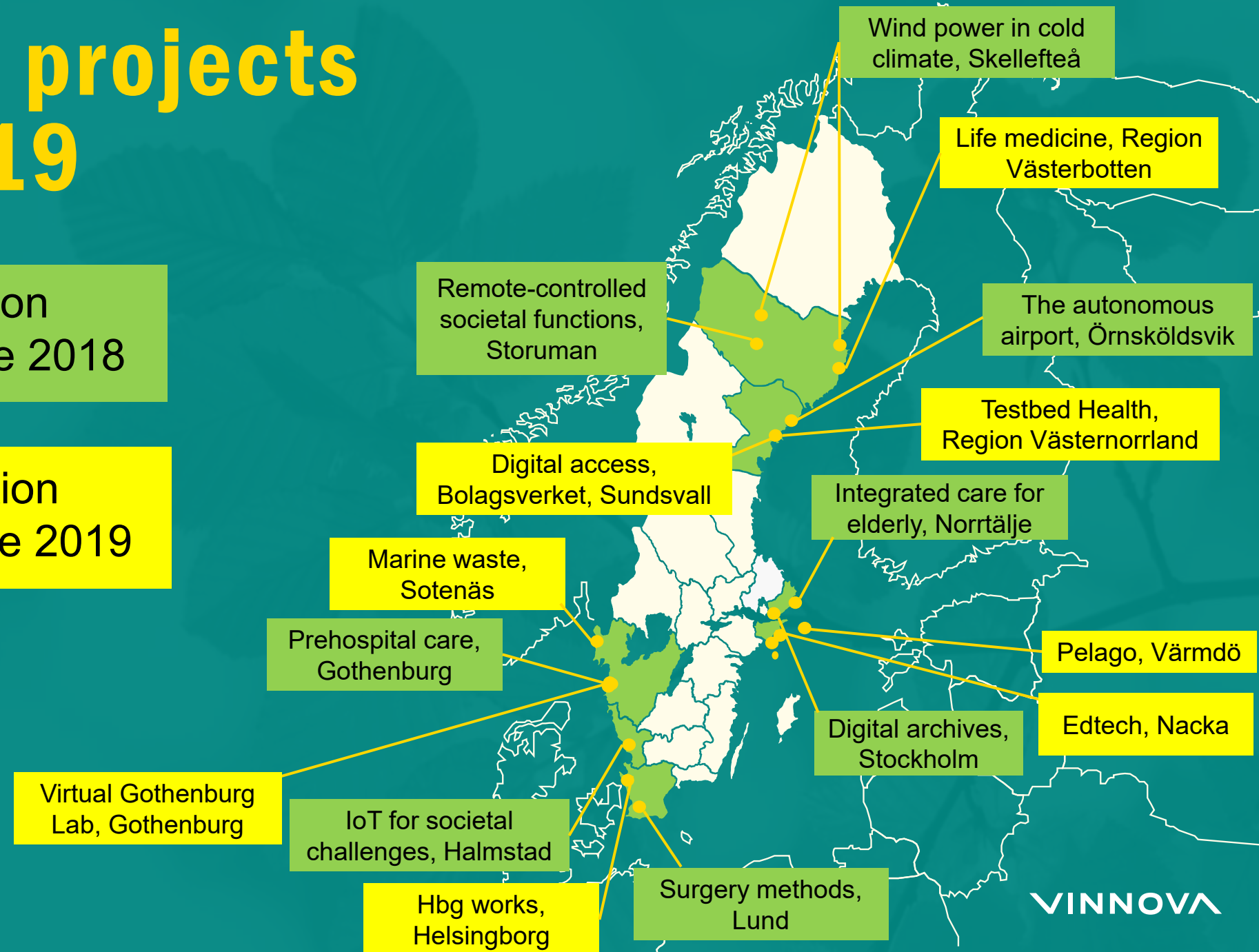


**DEVELOP THE ABILITY AND
CAPACITY OF TEST OPERATIONS**

Financed projects 2018-2019

Green: 8 implementation
projects financed since 2018

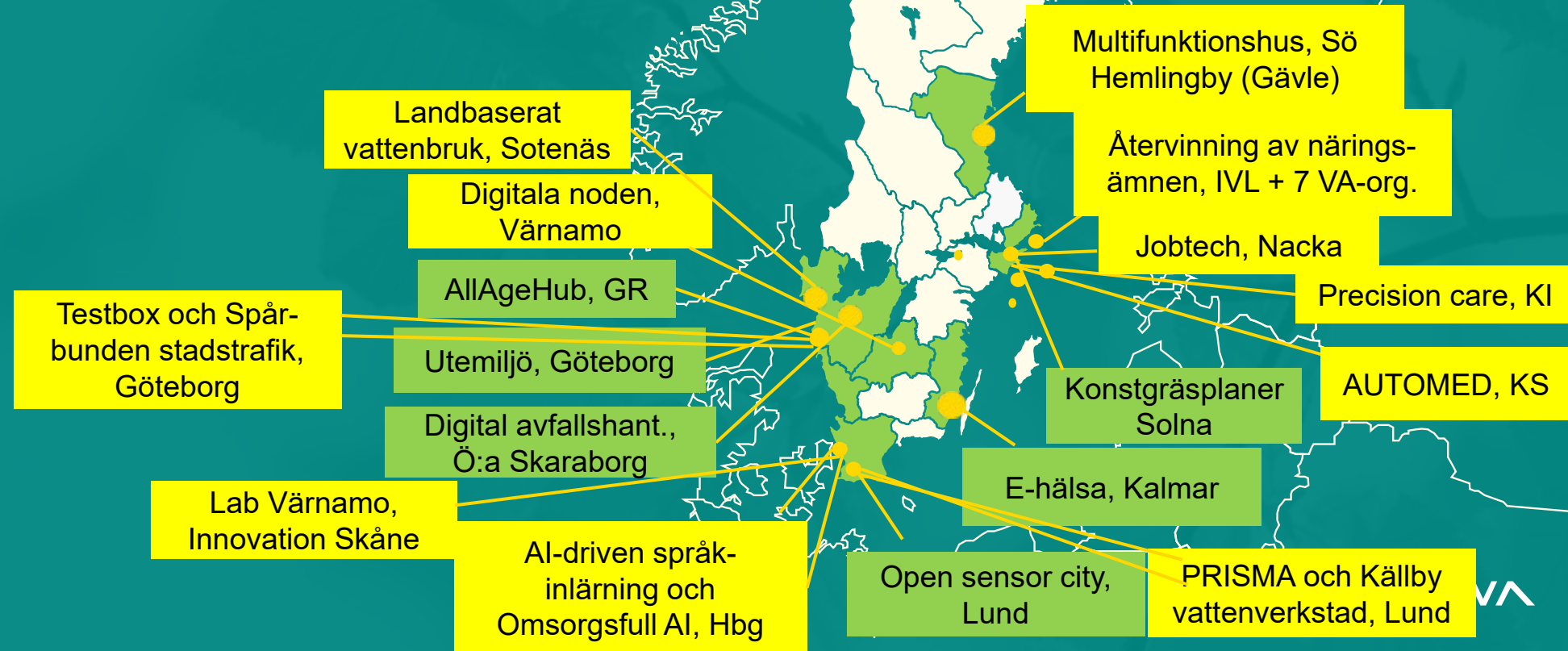
Yellow: 8 implementation
projects financed since 2019



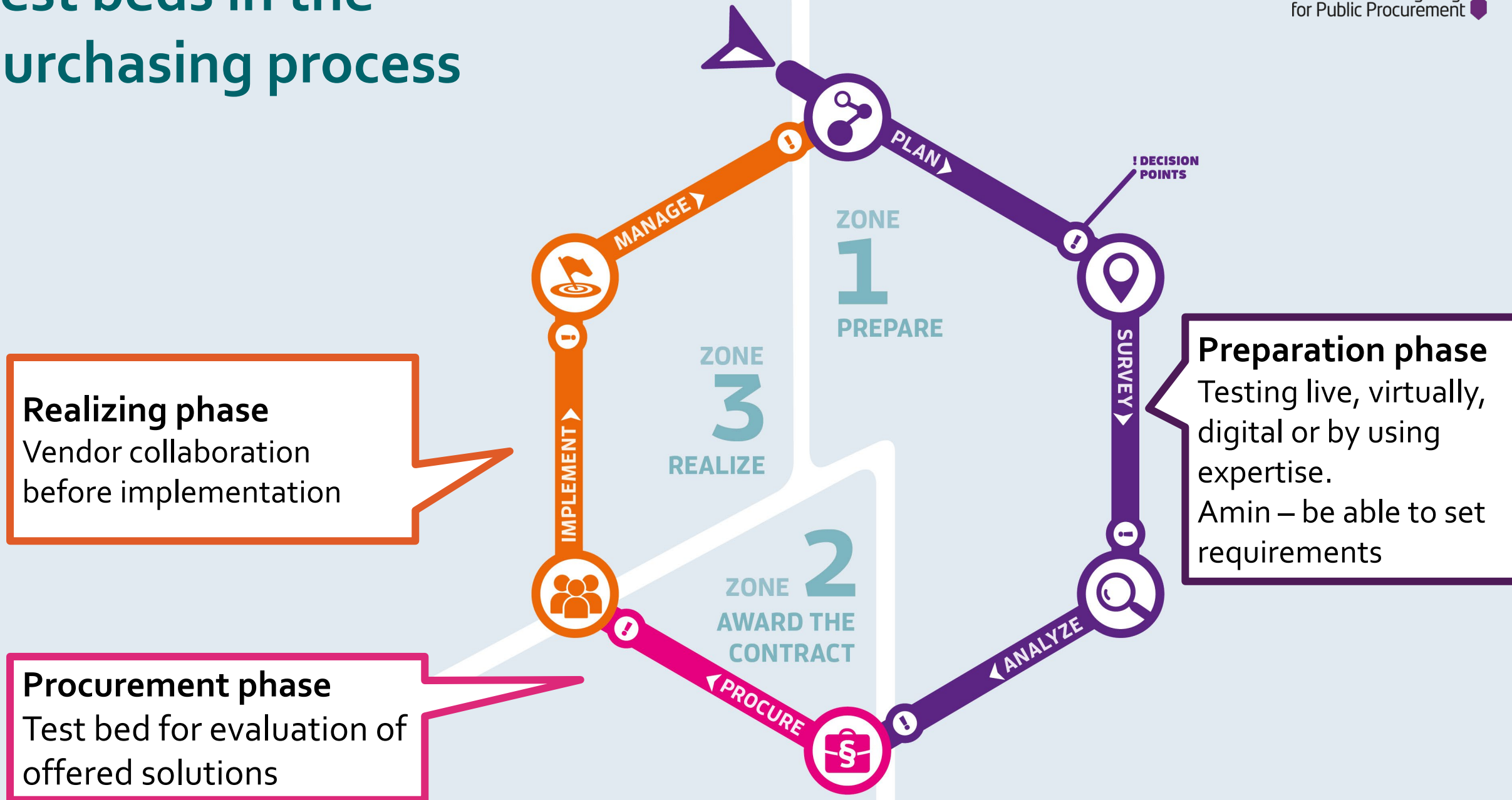
Financed projects May 2020

Green: 6 Implementation projects

Yellow: 14 Preparation projects



Test beds in the purchasing process



Different types of testbeds

Physical test bed - live

- Premises
- Processes
- Personal
- Knowledge
- Feedback

A real or fictional department with staff and patients where technology developers can come and test and work

Virtual test bed

- Processes described
- Description of flows
- Possibilities to do simulations and calculations
- Data is made open

Simulation software that describes how e.g. healthcare works. Can show flows and time aspects. Sharing knowledge about how a hospital works without admitting anyone physically

Digital test bed

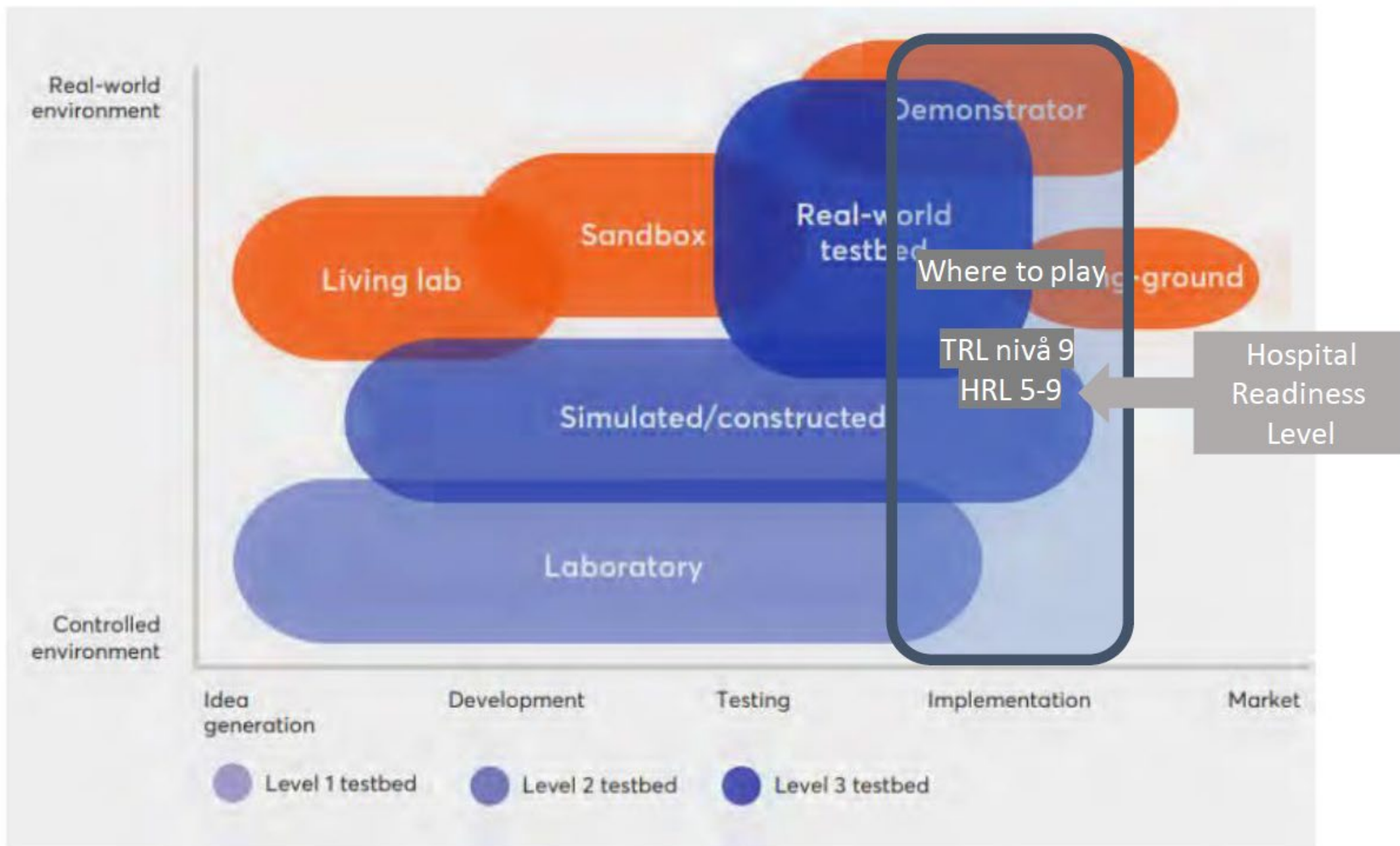
- Processes described
- Data is made open

Example: an AI lab
The need owner provides information that is difficult to obtain. As an example, radiological imagery for AI-development such as data models within a health region

Expertise test bed

- The need owner makes expertise available

The need owner makes expertise available and can provide feedback on ideas / concept / prototype / solutions



Dynamic purchasing systems and innovation



Foto: Södra Hallands Naturskyddsförening, Glänninge IP

Goal – Buyers network

- ▶ Radical reduction of emissions and spreading of microplastics and other pollutants
- ▶ Contribute to the Swedish Chemicals Agency's Action Plan for a non-toxic everyday life 2015–2020
- ▶ Methods, results and experience are disseminated in procurement, operation and management

Dynamic purchasing system – Artificial Grass



Done by SKL Kommentus (the central purchasing body for regions and municipalities)

Four categories:

1. **Artificial** grass - Establish/rearranging purpose of football, multisport and public areas
2. **Hybrid** grass - Establish/rearranging purpose of football, multisport and public areas
3. Cleaning/maintenance of **artificial** grass
4. Cleaning/maintenance of **hybrid** grass

Advantages – Dynamic purchasing system

The artificial grass market is developing rapidly and many new materials and innovative solutions have been added in recent years and are being added all the time.

Suppliers

- Continues applications can be done over a period 2019-2027
- Companies with can develop new material over time – since functional requirements are used

Contracting authorities

- Easy to use – based on templates and guidance provided by the Purchasing Centre
- Each invitation to tender will be sent to suppliers who at the time are qualified
- Opportunity to influence specific needs such as requirements for “*game characteristics*”, “*utilisation rate*” and “*environmental characteristics*”
- Best tender and solution at the time will be contracted

Open innovation instruments

Invitation to Nordic market dialogue on zero emission delivery of goods

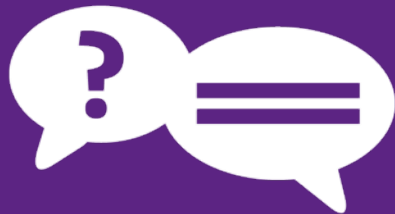


- ▶ Cities are increasingly demanding zero emission solutions for deliveries and city transport
- ▶ Twelve cities across the Nordic countries will present their needs and upcoming procurements
- ▶ Companies are invited to pitch solutions to the public buyers

During this day we will connect companies with the solutions with the big buyers in the Nordics!

Digital meeting 21 April 2021, 09:00-14:00

Thank you!



Please visit our webpage for more
inspiration and guidance.

upphandlingsmyndigheten.se/en



@uhmynd



Upphandlingsmyndigheten



@upphandlingsmyndigheten

