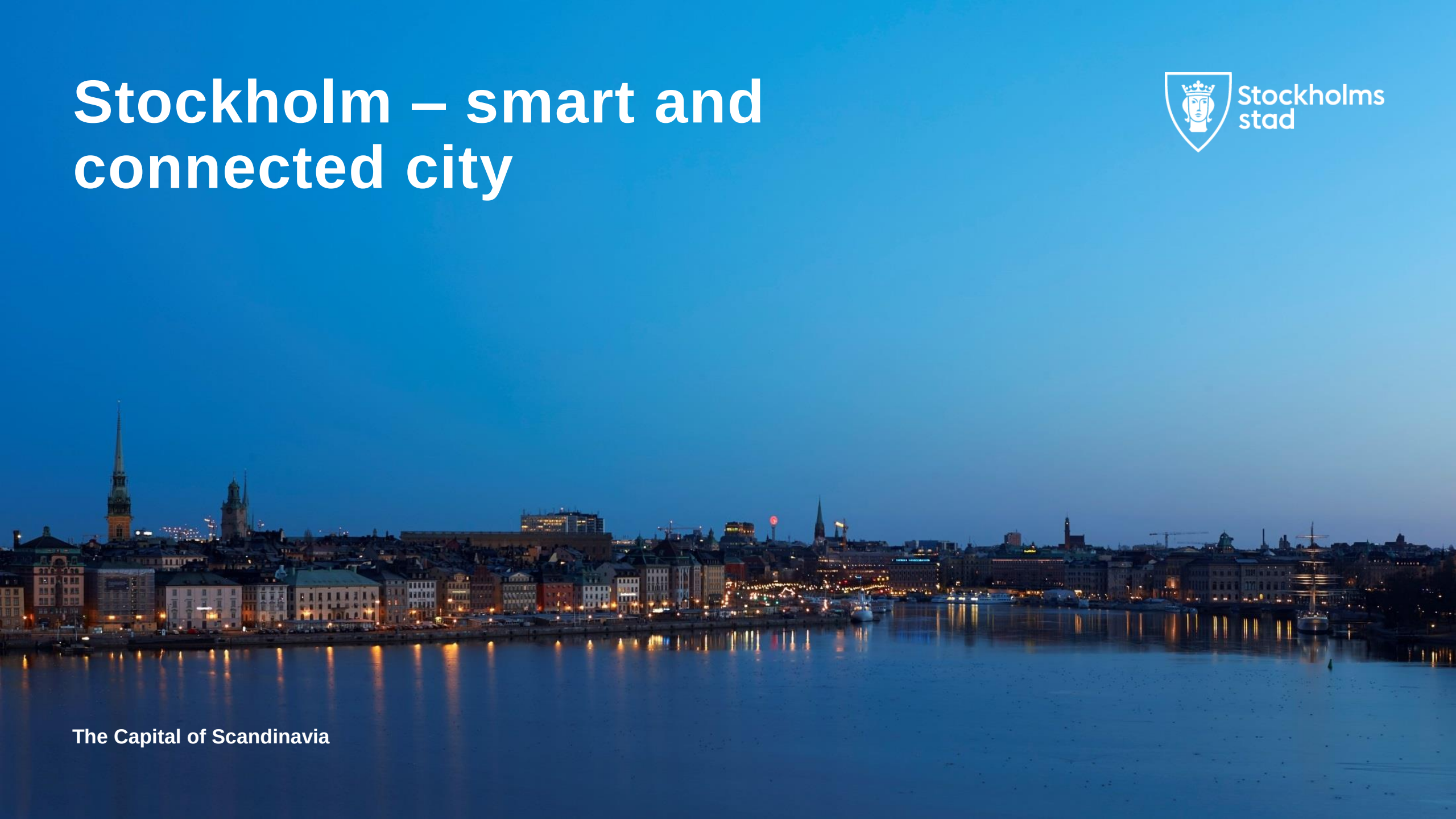
Stockholm – smart and connected city

Stockholms stad



The Capital of Scandinavia

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The city is facing significant challenges

Urbanization and globalization

Two busloads of people move in to the city each day

ironment and climate challenges

By 2020 greenhouse gas emissions must decrease by 25%, setting demands for a sharp reduction in car traffic

Aging population

4 out of 10 teachers will retire in ten years in Stockholm

ounger Internet users

79% of 2-year-olds use the Internet

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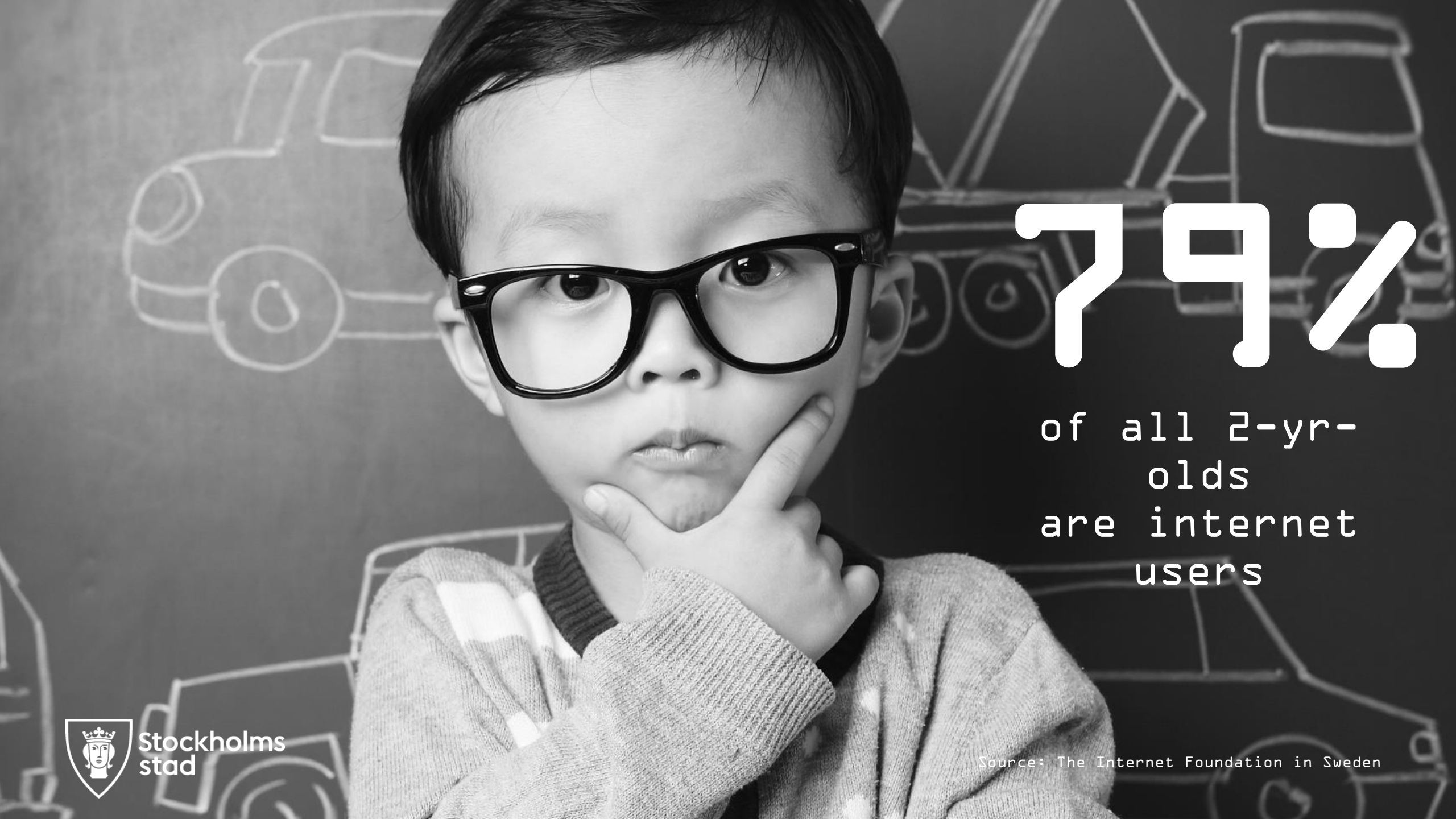
Source: The Internet foundation in Sweden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Vision 2040

The smartest city in the world

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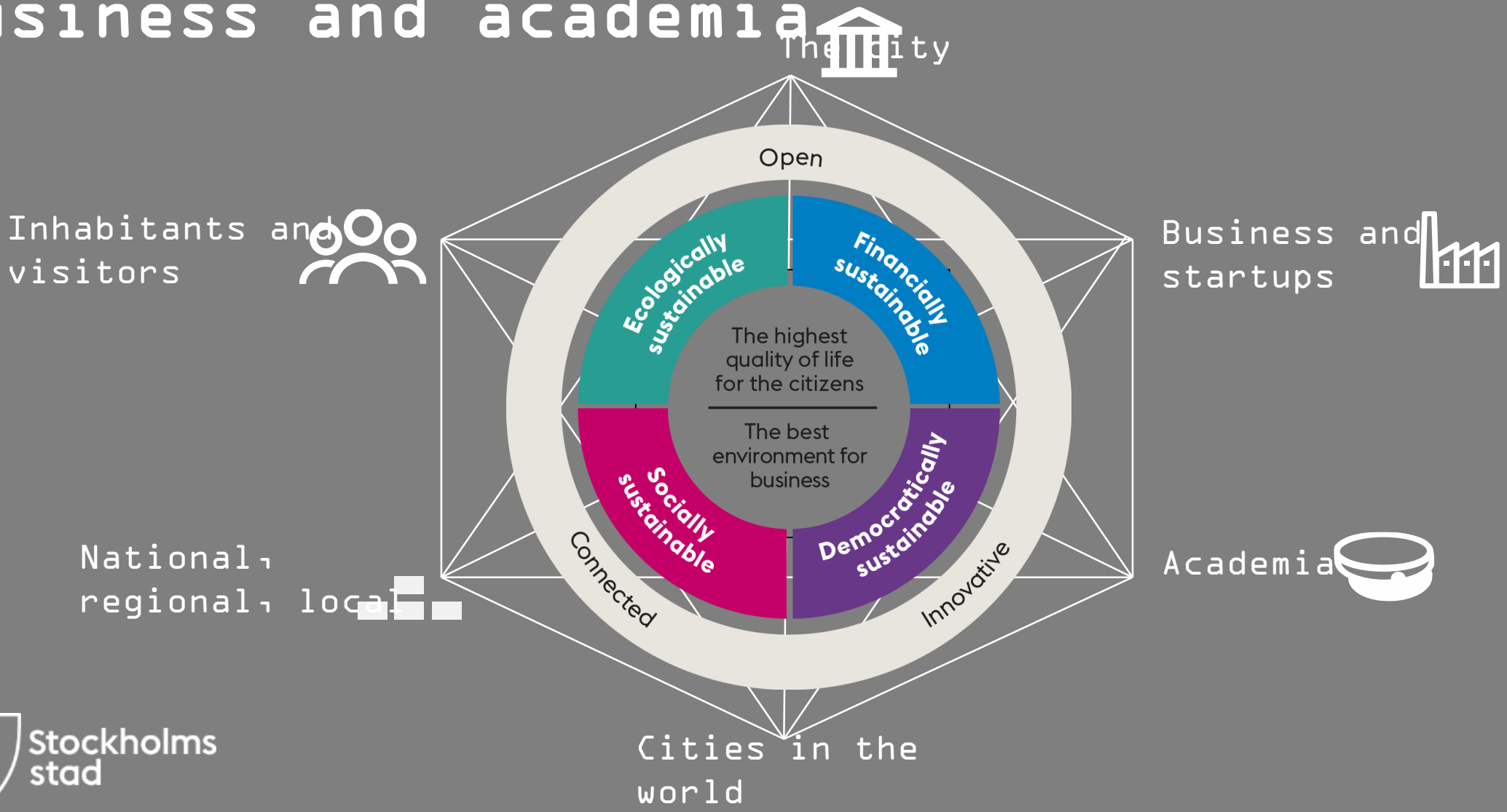
The strategy for the smart city is realized together with inhabitants, business and academia



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Creating the Stockholm of tomorrow

Collaborating with citizens, academia and business

Dialogue with citizens

Citizens involved in the process of developing a strategy for Stockholm as a smart and connected city

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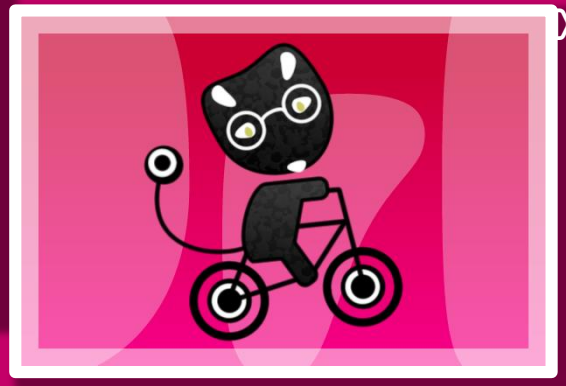
Urban ICT Arena



An open co-creation arena and testbed in Kista. Collaboration with KTH, Ericsson, Stockholm University, ABB, RISE ICT

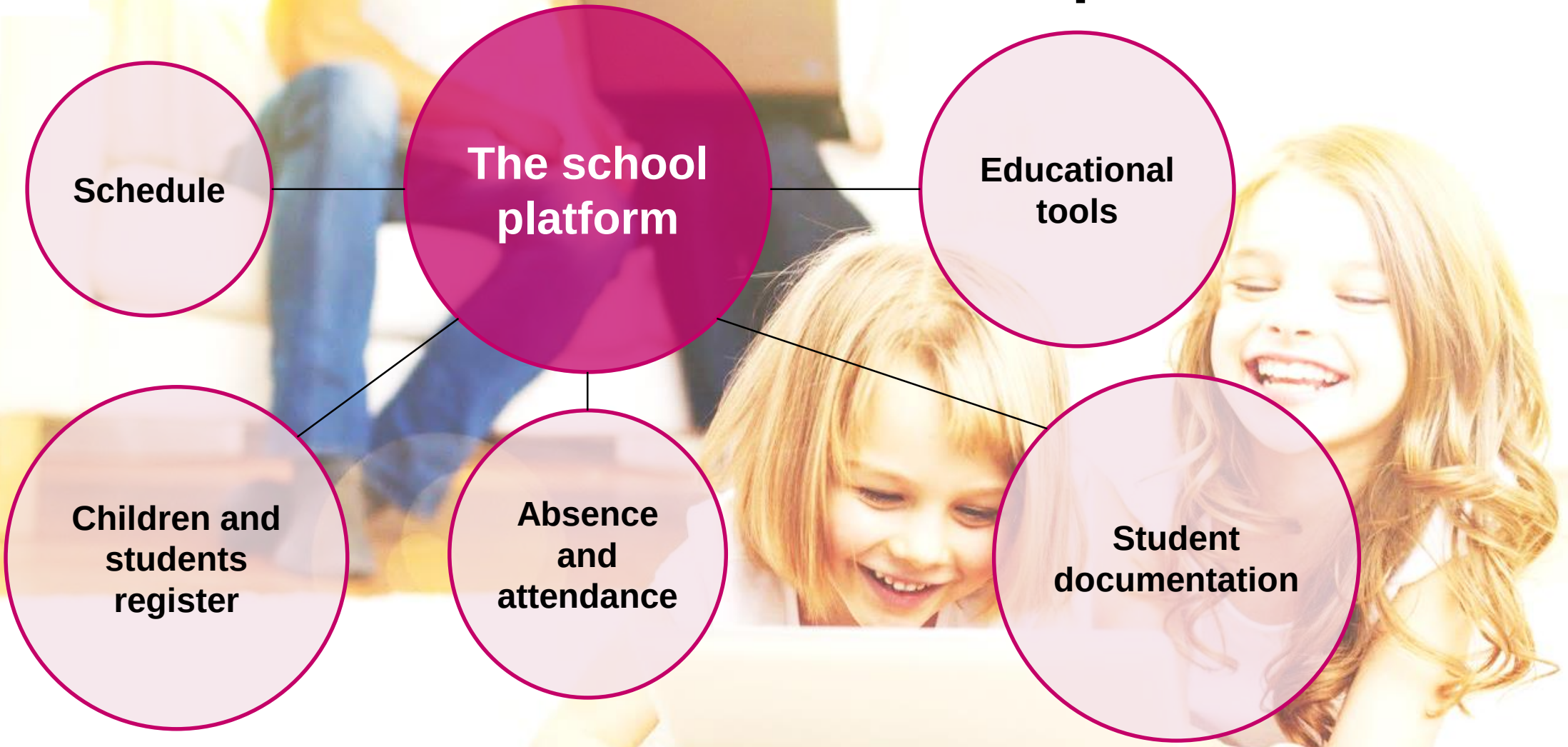
Digital Demo Stockholm

A collaboration-project with Stockholm County Council, KTH, Ericsson, Vattenfall, ABB, Skanska, Scania

EU GrowSmarter

Stockholm is one of three "lighthouse cities", together with Cologne and Barcelona

Stockholm’s digital school platform is built with modules to facilitate further development



The **digital lift** in Stockholm:

- Through targeted efforts to increase digital maturity and promote new working methods with digital tools for primary and secondary school teachers, digital maturity increased by 30% between 2014 and 2015 for upper secondary schools.
- A new digital platform will be implemented that will be the same for preschools, primary and secondary schools and adult education.

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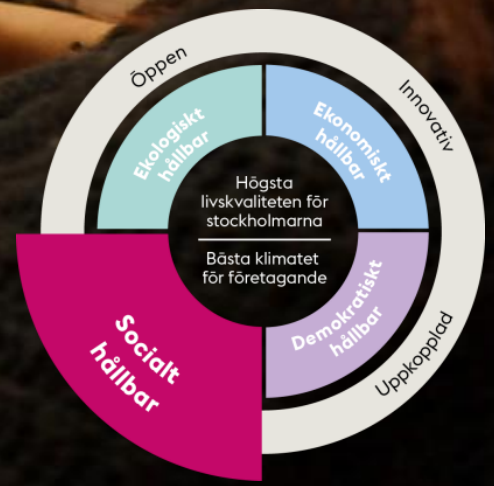

Digitalisation at it's best is what cannot be seen

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Reports a broken lamp via an app
The purity of the swimming water is measured with sensors
Orders groceries for the week
A trash can reports that it is full and needs emptying
Receives updates from the child's school
Extends the parking ticket validity
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New ways to interact: continuous updates from the preschool

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Automatic updates on homework and assignments

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Communication robot

- A communication robot for students who are not able to participate in the classroom is tested. The robot will be placed in the classroom and controlled remotely by the student from a smartphone or tablet.

"My beloved brave daughter! We are so grateful to have received this offer! It has meant unbelievably much for her, especially to keep in touch with her friends despite being in hospital a lot. The fear of being forgotten by her friends and falling behind in school disappeared thanks to this robot. When you are already filled with so much worry about the disease itself, this robot is invaluable."

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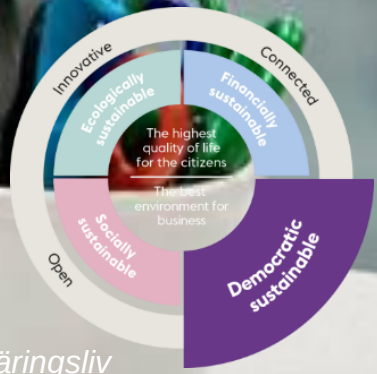

Photo: Dagens Näringsliv

AI-based screening for early detection of students with reading and writing difficulties.

The first screening of 800 children is successfully conducted. The service is now available to all of Stockholm's schools.

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Hello World - Programming camp for youths in the summer of 2017 with the aim of enhancing students' interest and knowledge of programming. The camp was organized in collaboration with KTH and Stockholm University and approximately 100 students in middle school participated.

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Foto: Hello World

Bluebots - From the start of the fall semester 2018, all students will be taught programming in school. Some schools have already started. One useful programming tool that is already being used is the bluebot. The bluebot is a robot that can be programmed to move in certain patterns.

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Next steps

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Thanks!

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