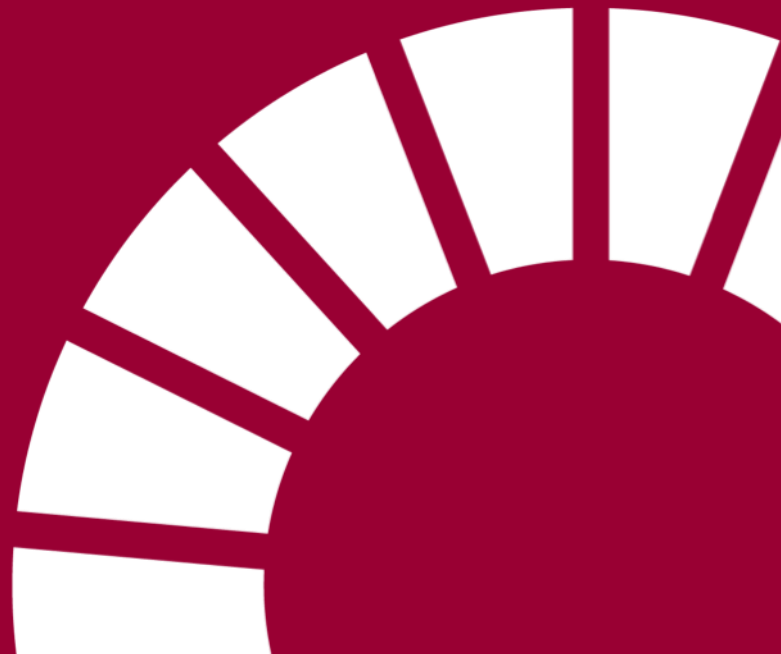


Central Denmark Region Technology Pact

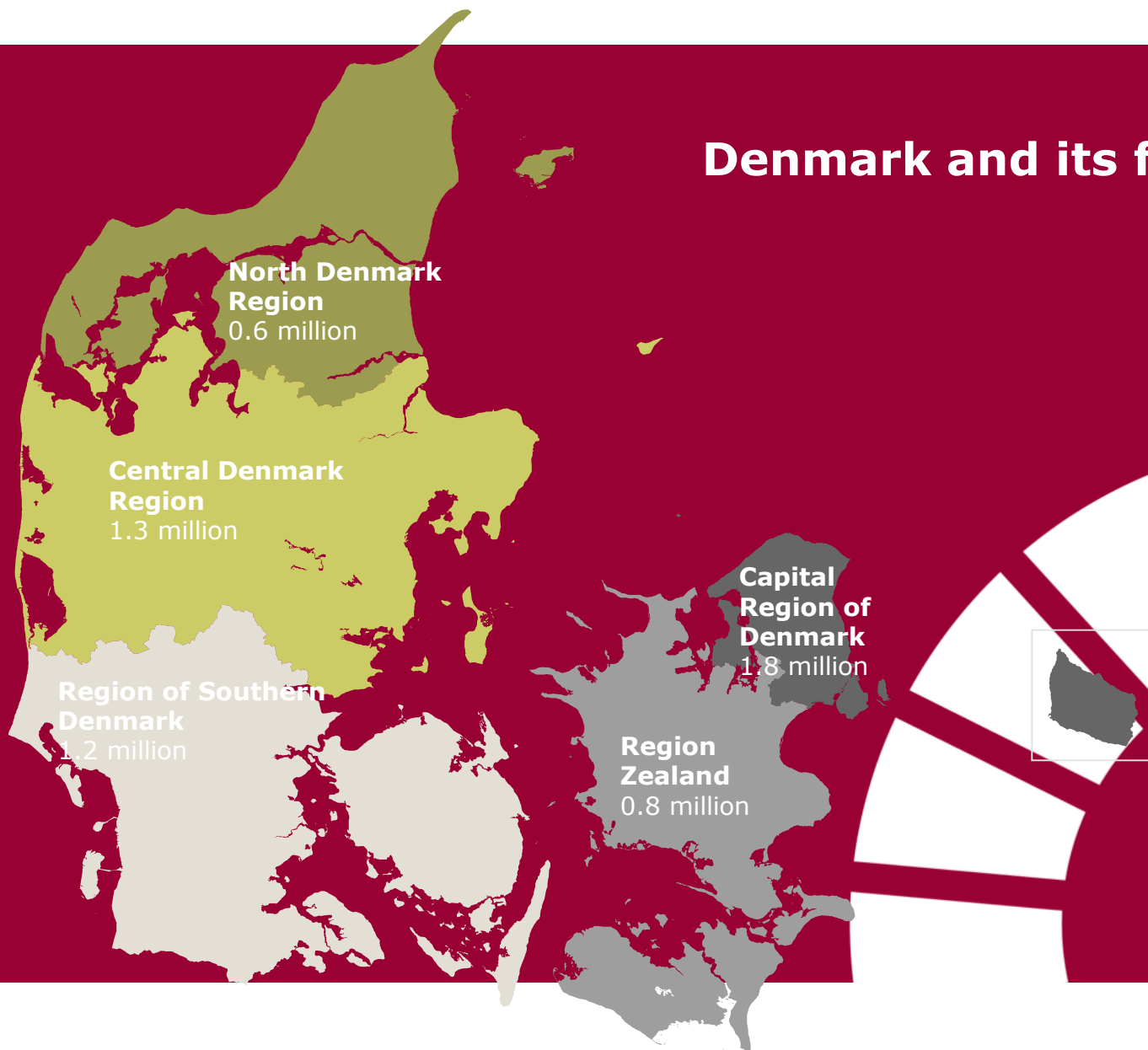
Frederik Slebo Karentius Freund
Consultant, Regional Development

Agenda

1. Facts about Central Denmark Region
2. Why a Technology Pact in our region?
3. Implementation of The regional Technology Pact



Denmark and its five regions



Regional tasks

- ◉ **Health**
Including hospitals, national health service, GPs and medical specialists
- ◉ **Psychiatry and social care**
Psychiatric treatment, running of 29 institutions for vulnerable groups and groups with special needs in the social and educational area
- ◉ **Regional development**
Environment, climate and sustainability, mobility, education and culture, etc.



1

THE STRATEGY

Giving citizens the possibility to live a good life across the region

PRIMARY UN SUSTAINABLE GOALS



2

THE STRATEGY

Ensuring future-proof educations & competence development for everybody

PRIMARY UN SUSTAINABLE GOALS



4

THE STRATEGY

Paving the way for a more sustainable and efficient citizen-centred healthcare system of high quality

PRIMARY UN SUSTAINABLE GOALS



3

THE STRATEGY

Taking care of climate, environment and resources to ensure a sustainable development

PRIMARY UN SUSTAINABLE GOALS



VISION

Central Denmark Region
– an attractive and sustainable region.
For everybody.

Strategy track 02

To ensure
future-proof
educations and
competence
development for
everybody



Regional Development - education and competence development

- That a wide variety of high-quality education programs are provided in the whole region
- Dealing with the challenges of young citizens not completing a secondary education
- Ensures that the workforce meets the demands for new competencies and skills
- The regional Technology Pact**



The regional Technology Pact – why was it needed?

- 🌐 In 2025, there will be a shortage on the Danish labor market of:
 - 70,000 people with a vocational education
 - 13,000 people with a STEM education
- 🌐 And in addition to this
 - 40% of all working hours in Denmark can be automated
 - 67% of all manufacturing hours can be automated
- 🌐 In other words: The platform was – and is - burning!



What is The regional Technology Pact?

- 🌐 Established in 2018 in a triple-helix collaboration with the business sector and the educational institutions
- 🌐 Launched with three of the leading international STEM-companies in Denmark:
 - Vestas, Grundfos and Siemens Gamesa Renewable
- 🌐 The overall goals:
 - To inspire young people as well as adults to choose a STEM education, learn about STEAM and work in the field of STEM
 - To make the Central Denmark Region a frontrunner in the field of technology and STEM
 - To inspire public and private organisations who wants to take part in promoting the STEM agenda

Key themes and focus areas in The regional Technology Pact

1. STEM competencies within the regional top sectors
2. More girls in STEM education programs
3. The use of technology ambassadors
4. Computational Thinking in all areas of education
5. Entrepreneurship in STEM related fields
6. Lifelong learning with technology and STEM

The keys to the implementation of the pact

- 🌐 Broad collaborations:
 - Private organisations (E.g.. Vestas)
 - Educational institutions (E.g.. high schools and vocational schools)
 - Non-profit organization (E.g.. The House of Natural Sciences)
 - Municipalities from the whole region
 - The Danish National Technology Pact
- 🌐 Establishing of The Council for Competences of the Future in 2018
 - Composed of 23 high-ranking representatives across educational institutions, business and government organisations.
 - One of their key tasks is to ensure the continued progress of the pact

The keys to the implementation of the pact

- 🌐 Allocation of 7.4 million euros to support STEM-projects
 - Political will to support the pact economically from 2018-2022
 - Since 2018 5 million euros has been awarded to 29 diverse STEM projects in the region
 - The outcome has generally been viewed as excellent
 - Four new themes in 2020 in which projects could apply for funding through the Technology Pact:
 - Sustainability
 - Language learning
 - Creativity
 - STEM competencies within the regional top sectors

What is next?

The future of The regional Technology Pact

- 🌐 More collaboration – perhaps with an more international scope
- 🌐 The allocation of the 7.4 million euros will expire in 2022
- 🌐 Relaunching of the Technology pact
- 🌐 More emphasis on new themes and focus areas
- 🌐 The region will develop a new education policy for 2021-2027 – what role will STEM and the pact play in that?

Thanks for your time!

Questions?

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