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CLUSTERS MEET REGIONS

MALMÖ SWEDEN | 15·16 JUNE 2023

CLUSTERS AS BOOSTERS OF INNOVATION IN INDUSTRIAL ECOSYSTEMS

EUROPEAN CLUSTER COLLABORATION PLATFORM

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Session 3: Method: the role of enablers of Digital and Green Transition / TECH

- The role of clusters in the design of FIRS TECH, **Björn Ekelund**, Head of FIRS Tech & COB Mobile Heights
- From policy to practice: DigIThub AI, Presenting which stated needs the project met and a user case, **Pernilla Lavesson**, Project Manager

Moderation: **Ida Åstrand**, Region Skåne

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The role of clusters in the design of FIRS Tech

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Connecting ideas

Clusters and FIRS Tech

Björn Ekelund

Chairman,
FIRS Tech, Mobile Heights

September 13, 2019

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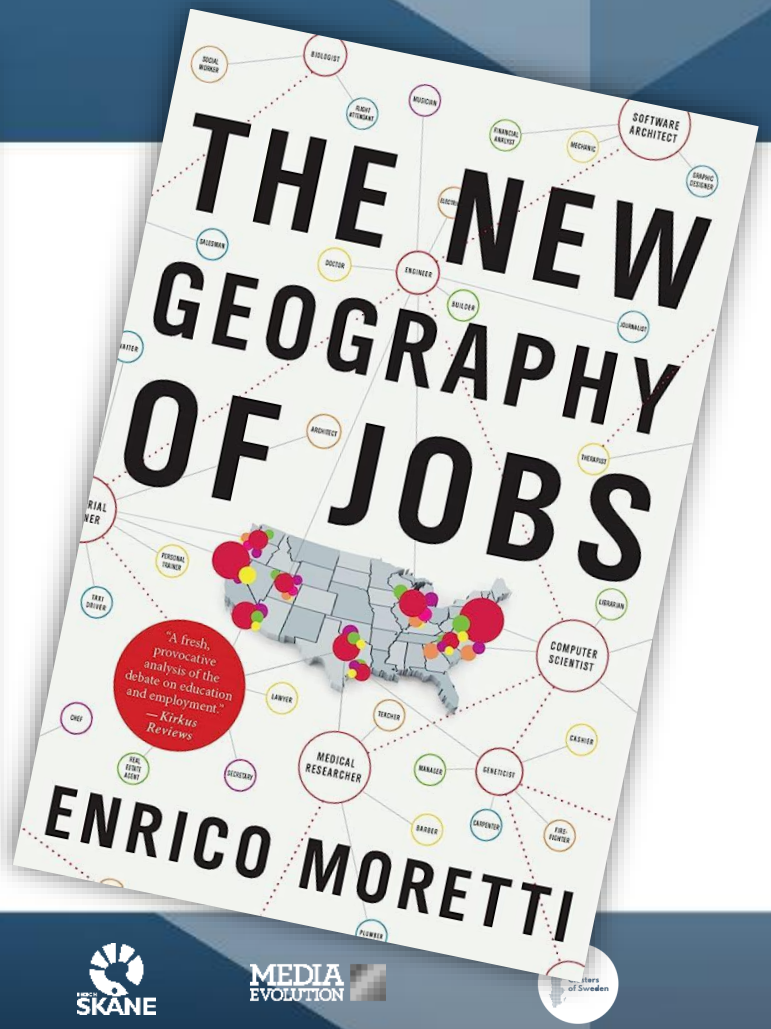
Why is tech so important?

MITSloan Management Review

SUBSCRIBE

The Multiplier Effect of Innovation Jobs

Because of a multiplier effect, each new high-tech job in the U.S. creates five additional jobs in the service economy, says economist Enrico Moretti.



The Skåne tech sector

The FIRS Tech group

Broad representation

- The tech cluster
- Enterprises of all sizes
- Academia
- Research institute
- Incubators
- Science park

The FIRS Tech group

Key challenges

- Competence supply & development
- Skåne's image as a tech region
- Testbeds and innovation arenas

Selected initiatives

Silicon Eurocluster

invest in skåne

INDUSTRI 4.0 DIGITAL SPETS COSKILL INNOVATIONSLEDNING DIGITAL NÄRVARO

Game Habitat

DIGIT HUB

DIGIT HUB AI

IUC

FOKUSPROJEKT
Lund Open Sensoring City

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The impact

- The power of clusters
- Projects and initiatives
- Mobilization and learning
- The power of agreement

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THANK YOU
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Development Fund

Digit Hub AI

We help the private sector in southern Sweden achieve their digitalization and AI goals.

The Project

Application within EU REACT

Start December 2021

22 months project period

Budget 10 M SEK (867 167 Euro)

Goal

- Increased competitiveness through a sustainable digital transformation
- Digitalization, AI, green transition, and gender equality
- AI maturity assessment
- Applied AI projects

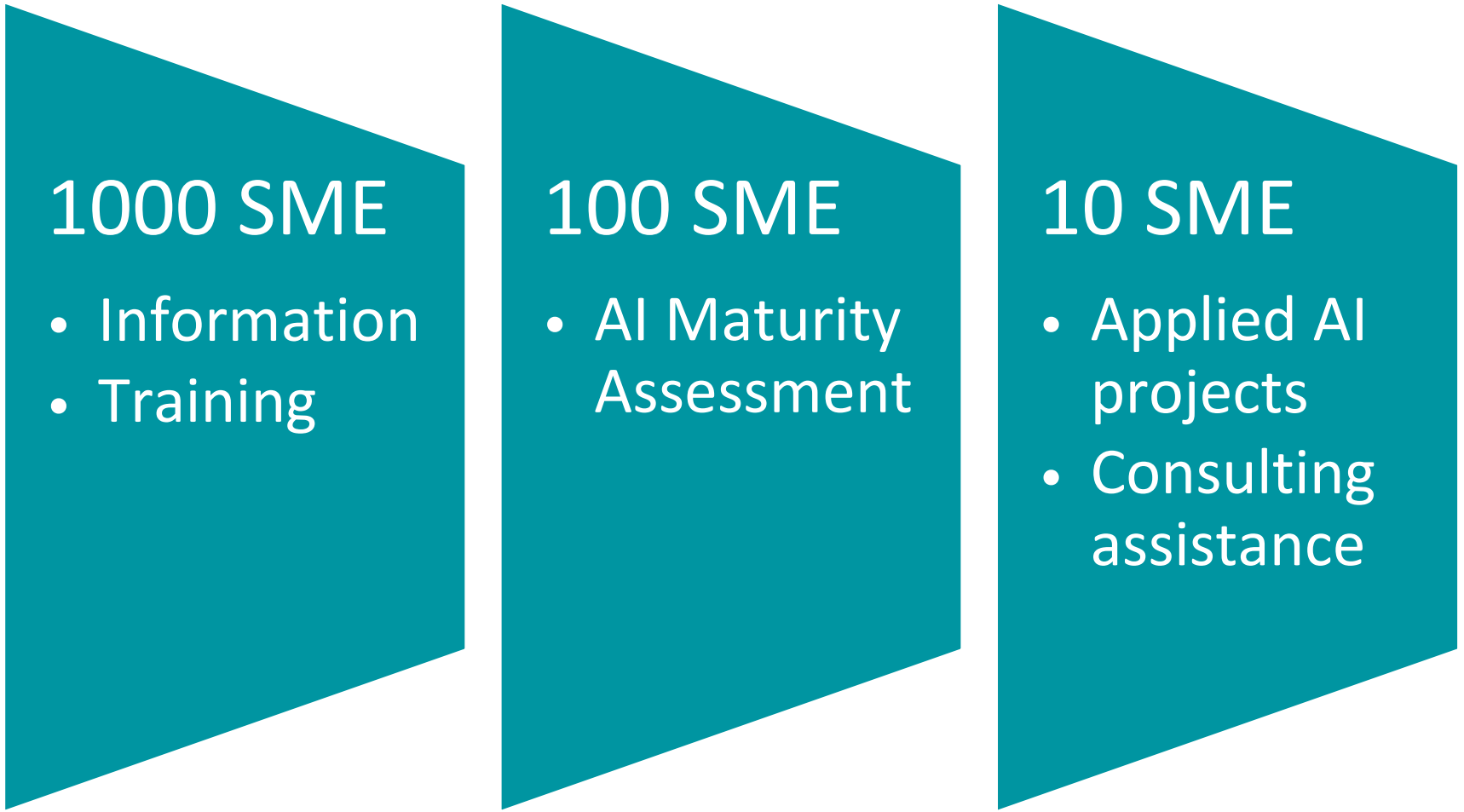
Engagement of the innovation system in Skåne & Blekinge broadly to reach as many SMEs as possible

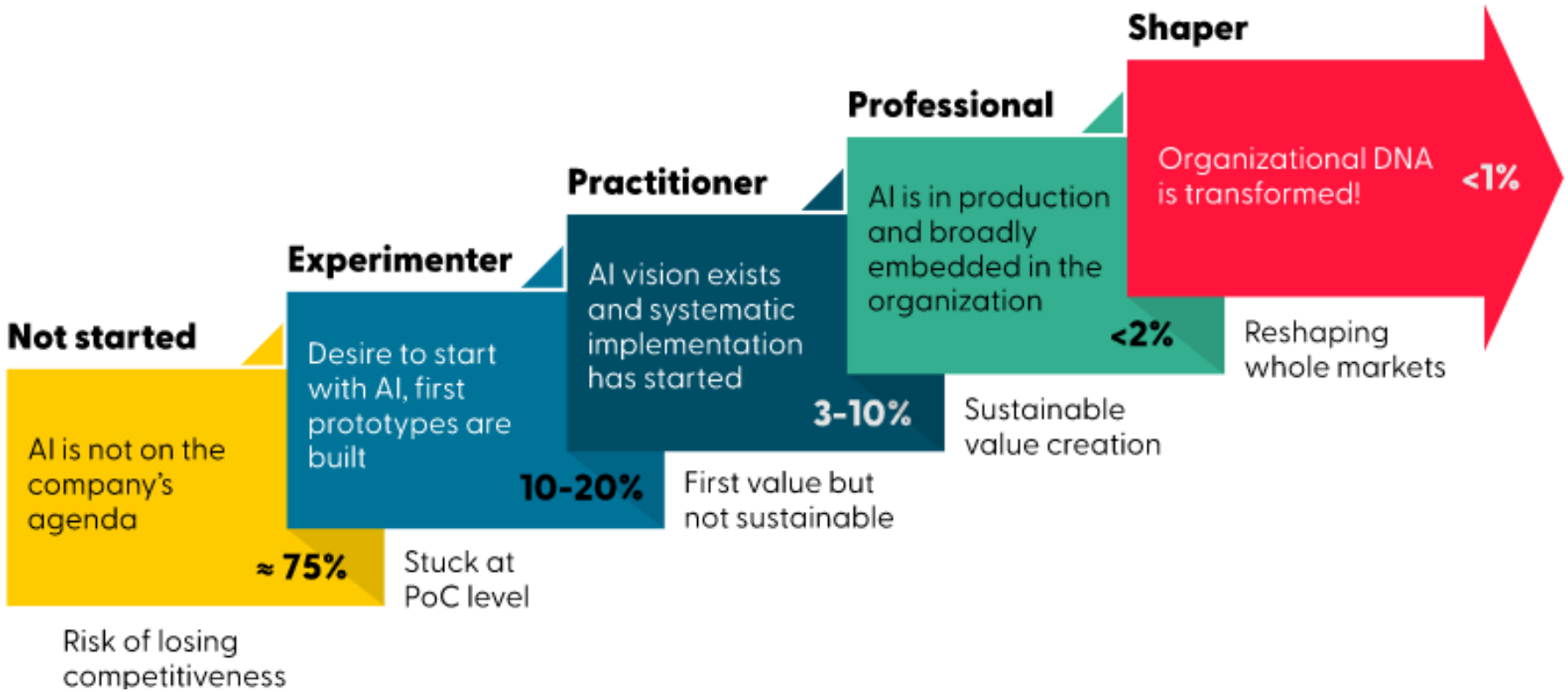
Innovation actors

Academia

Finance

Focus


1000 SME
• Information
• Training
100 SME
• AI Maturity Assessment
10 SME
• Applied AI projects
• Consulting assistance


Not started
AI is not on the company's agenda
≈ 75%
Risk of losing competitiveness
Experimenter
Desire to start with AI, first prototypes are built
10-20%
Stuck at PoC level
Practitioner
AI vision exists and systematic implementation has started
3-10%
First value but not sustainable
Professional
AI is in production and broadly embedded in the organization
<2%
Sustainable value creation
Shaper
Organizational DNA is transformed!
<1%
Reshaping whole markets

Missions

Ablemind
Specification of patient treatment (mental healthcare)

Avsalt
Analysis and optimization of performance for detector cells in a desalination plant.

Frontpac
Smooth out electricity consumption based on collected CO2 data.

Ocean Harvesting
Optimization of algorithm for wave power. Digital twin.

Lindinvent
Presence detection for optimization of lighting in buildings.

Ytab
Optimization of consumables during color change.

Levtek
Develop an object-tracking system for micro-mobility vehicles

Meliox
Optimization of energy consumption in buildings.

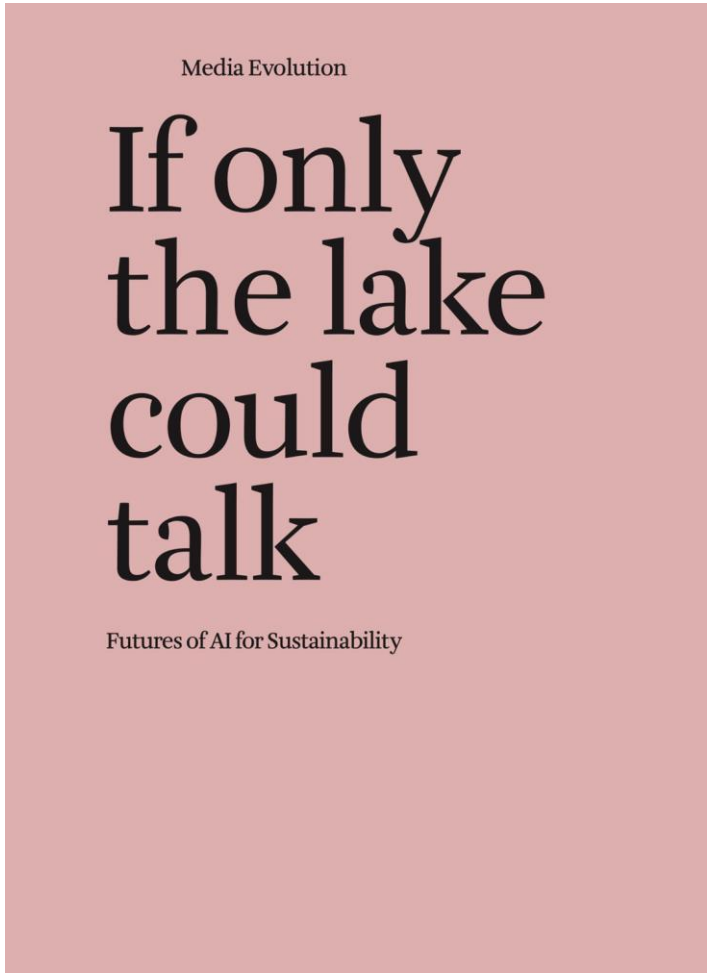
StickerApp
Reduce unnecessary steps for graphic supportby utilizing smart image algorithms.

Vatiscommonground
Analyze sustainability documents from organizations, identify relevant information, and propose suitable responses to verification questions.

Collaborative Foresight

“An explorative place for making sense of the future and finding ways to impact change for the better“

‘How will leading sustainable organisations of the future leverage AI and machine learning?’



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