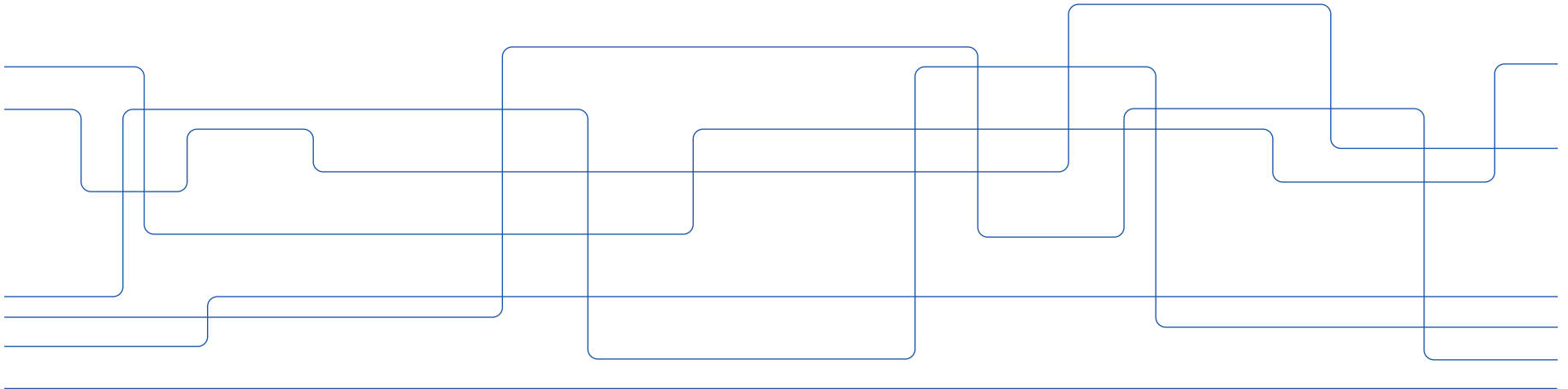




Innovation, entrepreneurship and venture creation

Professor Kristina Nyström

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Entrepreneurship in Sweden

- Download the Kahoot! app
- Enter PIN!
- Enter your name!
- Ready to play!





Kristina Nyström: Research

- Firm dynamics in terms of creation, expansion, contraction and closure of firms
- Labor mobility related to entrepreneurship and displacement
- Institutions and entrepreneurship
- Firm dynamics and entrepreneurship in a regional context
- Labour market dynamics and employment in newly created and closed firms
- Recruitment of competence in a regional perspective
- www.kth.se/profile/krny

Working for an Entrepreneur?

Nyström, K (2021) Working for an entrepreneur: Heaven or hell?
Small Business Economics 56 (2), 919-931



Innovation and Investments in Green Transition

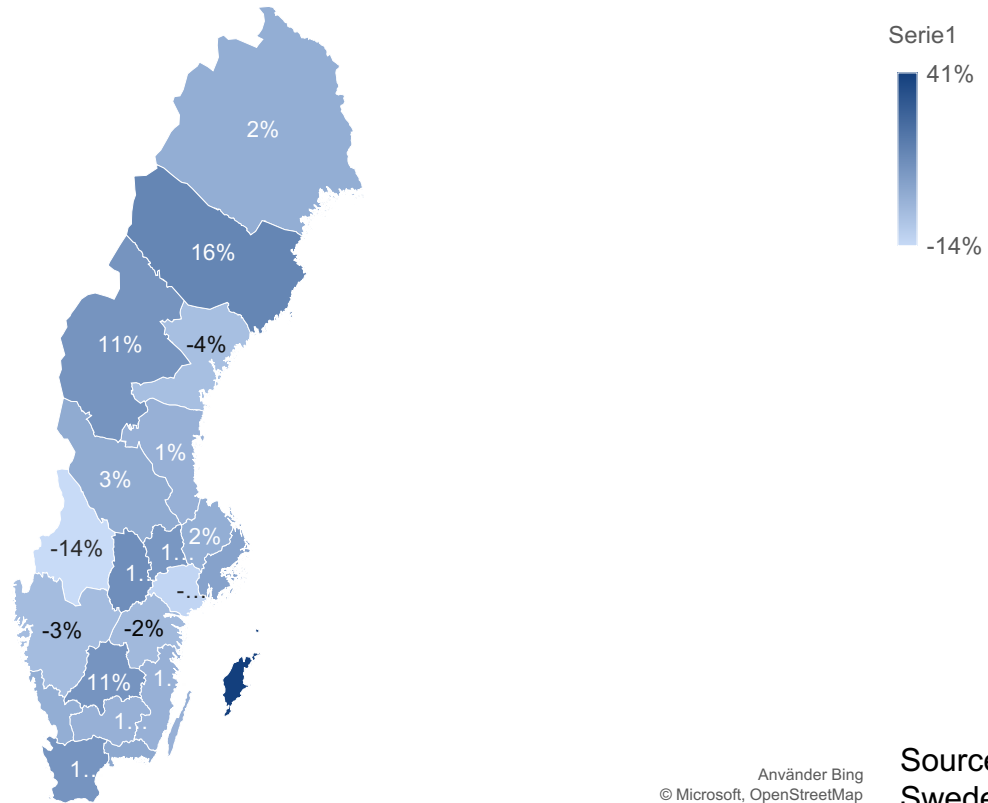
Pilot scale direct reduction with hydrogen

HYBRIT is conducting trials on the direct reduction of iron ore pellets using hydrogen in our pilot plant in Luleå, Sweden. The trials will run during 2020-2024, starting with fossil-free hydrogen in spring 2021. The plant has a direct reduction shaft, where the reduction takes place, and a number of electrolyzers for the production of hydrogen using fossil-free electricity.






Employment changes in Swedish industry 2020-23



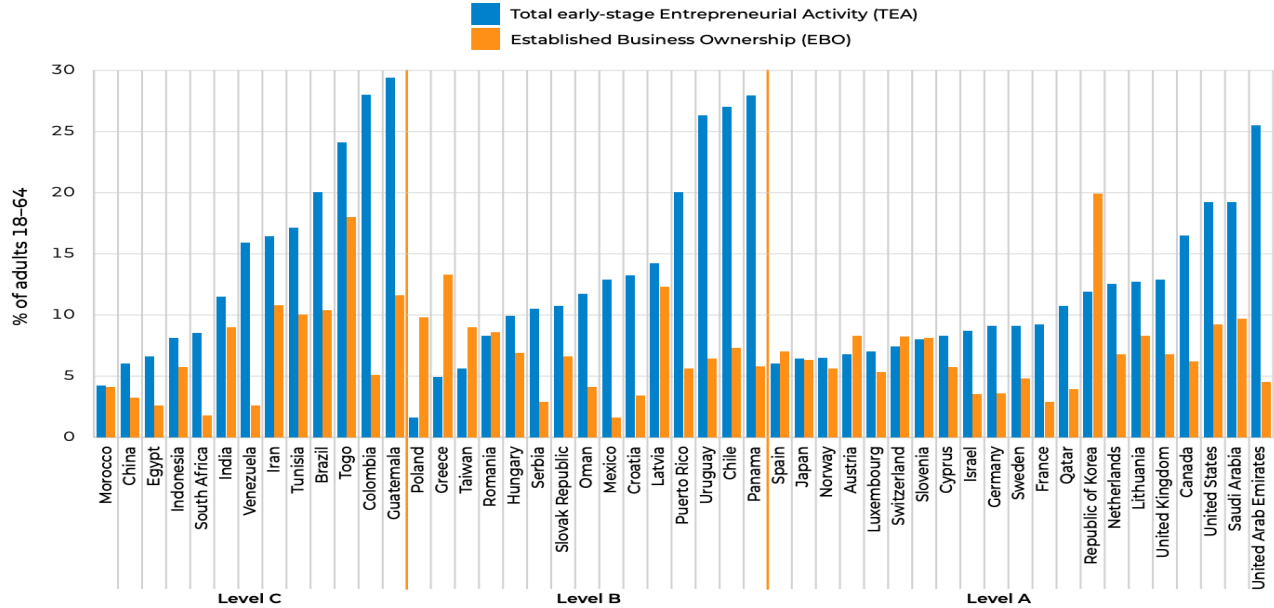
Använder Bing
© Microsoft, OpenStreetMap

Source: Statistics
Sweden

A misty forest scene with tall, thin trees and sunlight filtering through the canopy. The text is overlaid on the image.

Recruitment of Scarce Competence?

Nyström K. (2021) “Recruitment of scarce competences to rural regions: Policy perspectives”,
Review of Regional Research 41 (2), 211-227.



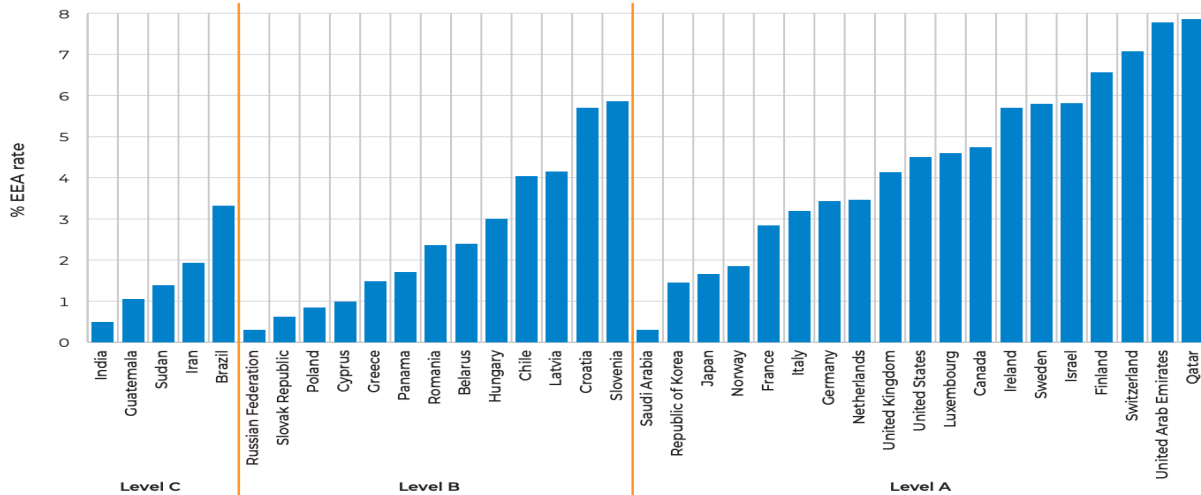


FIGURE 4.8 Employee Entrepreneurial Activity (EEA) (% adults)
 Source: GEM Adult Population Survey 2021

From Spotify to Minecraft, Sweden Proves Fertile Ground for Unicorns

- Stockholm tops unicorn list for hubs in Europe per capita
- Sweden's capital trails only London and Paris overall



Source: Spotify Technology SA

460+ Swedish startups tackling SDGs.

Climate Action (#13)

Oatly
Stockeld
Hack your closet
Einride
+150 more...

Responsible Consumption and Production (#12)

RE/WAY
Karma
Mimbly
PARENTLY
+130 more...

Sustainable Cities and Communities (#11)

Northvolt
Colive.se
Volta Trucks
Solvatten
Tiptapp
+100 more...

Quality Education (#4)

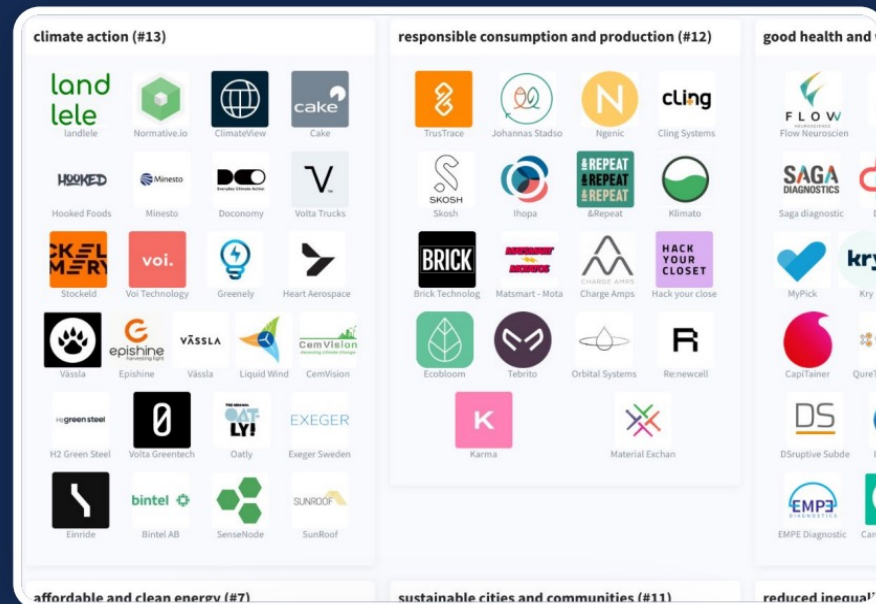
Checheza
ImagiLabs
Sana Labs
+20 more...

Good Health and Well-being (#3)

Kry
Progress Me
Natural Cycles
HOLISTAL
+110 more...

Gender Equality (#5)

VoiceHer
Grace Health
Quizrr
Just arrived
+20 more...



» Swedish impact startups by SDG



Our entrepreneurship teaching portfolio

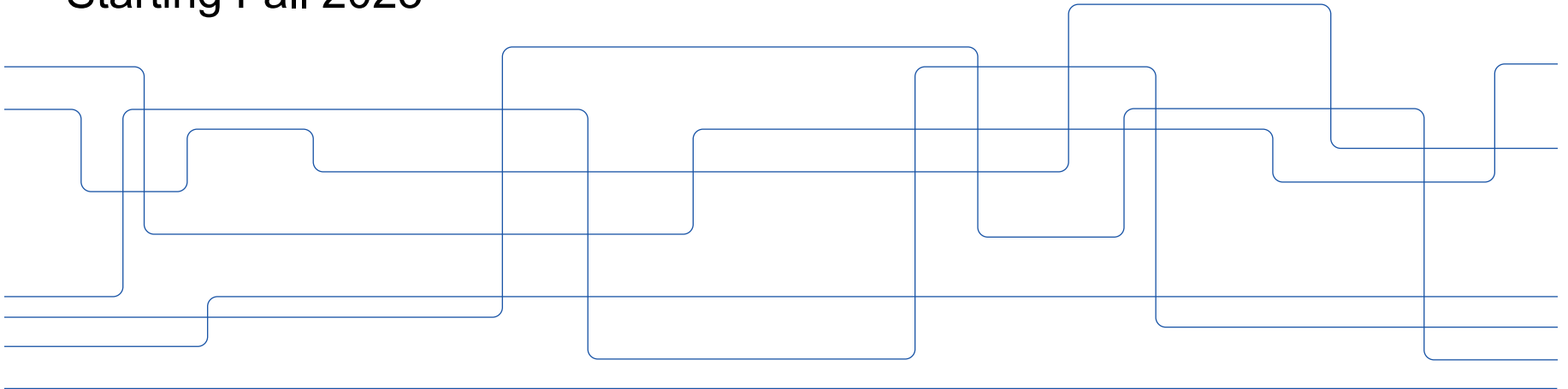
- Masters programme in Technology-based Entrepreneurship (2 year) (New 2023)
- Stockholm School of Entrepreneurship courses
- Entrepreneurship modules (e.g. Bachelor thesis in chemistry and biotechnology)
- Elective entrepreneurship courses (e.g Technology based entrepreneurship)



Technology-based Entrepreneurship (TTBEM)

Teknikbaserat entreprenörskap (120 points)

Starting Fall 2023



Program Learning Objectives

- Knowledge and understanding
- Skills and abilities
- Ability to make judgments and adopt a standpoint



Technology-based Entrepreneurship

- Replacing a successful 1-year “magister” program
 - follows the Entrepreneurial Venture Creature Process
 - A linear process that builds knowledge gradually
 - Both are learning the theory and knowledge and also practicing the entrepreneurial process.
 - Modularised designed to
 - increase the resource mobility
 - Open for collaboration
 - Increase the teaching-learning quality to cover program learning objectives.
 - Very competitive international candidates (545: 337 paid), (242 prio1: 144paid)
 - Admitted 71 first-prior and 10 second-prior
 - Engineering and natural science background
-



Courses

Year 1

- ME2620 Teknikbaserat entreprenörskap / Technology-based Entrepreneurship, 7.5 credits
- ME2621 Teknikbaserad idégenerering / Technology-based Opportunity Development, 7.5 credits
- ME2622 Innovativa affärsmodeller / Innovative Business Models, 7.5 credits
- ME2623 Teknikbaserat nyföretagande / Technology-based Venture Realization, 7.5 credits
- MEME2624 Hantera företagets tillväxt / Managing Firm Growth, 7.5 credits
- PLUS three electives, 7.5 credits

Year 2

- MEXXXX Research Methods, 7.5 credits
- PLUS one elective, 7.5 credits
- ME2XXX Challenge-based Field Project 15 credits
- ME210X/ME211X Degree Project in Industrial Economics and Management, Second Cycle, 30.0 credits



Conditionally Elective Courses

Students also choose three elective courses of 7.5 credits

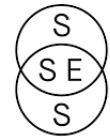
- Leadership and Power in Industrial Organisations: Perspectives of Gender and Diversity (ME2075)
- Transformation in Energy Systems and Industries (ME2085)
- Global Energy Markets and Systems in Transition (ME2086)
- Internet Marketing (ME2094)
- e-Business Strategies (ME2095)
- Negotiations for Startups (ME2827)
- Applied Econometrics (ME2710)
- Entrepreneurship - Personal Development (ME2832)
- Entrepreneurial family firms (ME2836)



Collaborations

- KTH Innovation
- Stockholm School of Entrepreneurship (SSES)

Karolinska Institutet (KI), the University College of Arts, Crafts and Design (Konstfack), the Royal Institute of Technology (KTH), the Stockholm School of Economics (SSE), Stockholm University (SU) and the Royal College of Music (KMH)



STOCKHOLM SCHOOL
OF ENTREPRENEURSHIP

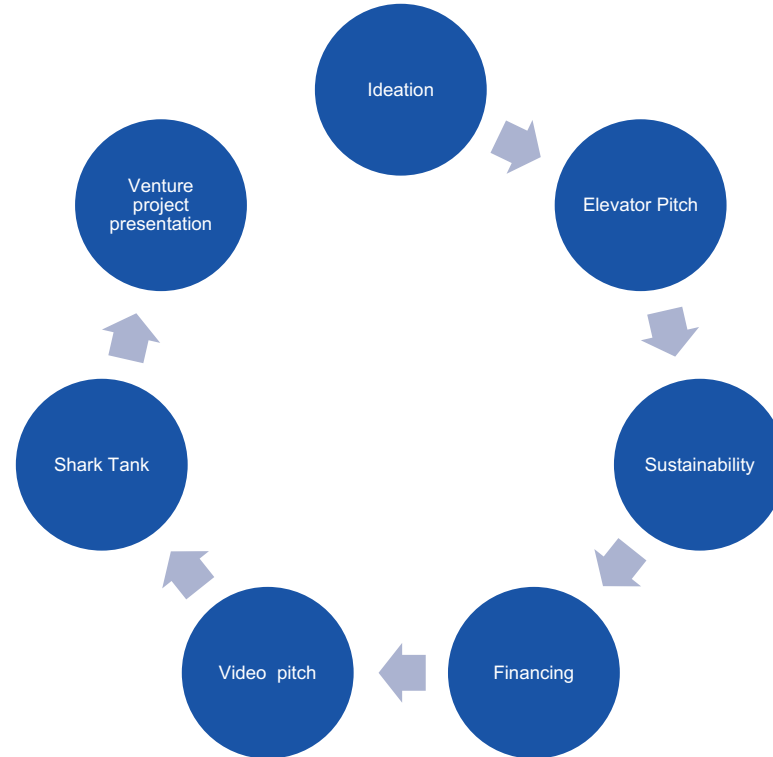


Tech-based entrepreneurship: Course objectives

- By the end of the course the student should be able to:
- describe and analyse how entrepreneurship in theory and practice can equip the entrepreneurial decision-making process with information about the initial stage for a new technology-based company
- by means of frameworks, organise, critically evaluate and integrate relevant information to give decisive recommendations on measures in a given entrepreneurial situation
- choose and use tools to identify technology related problems or needs and in such a way create a foundation for start, growth and management of technology-based companies
- produce professional reports and presentations compiled through cooperation in groups
- show oral and written communication skills by using convincing and factual arguments as support for justified leadership measures



The roadmap: The venture creation project in the course





Ideation: megatrends



Elevator pitch





SUSTAINABLE DEVELOPMENT

GOALS

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

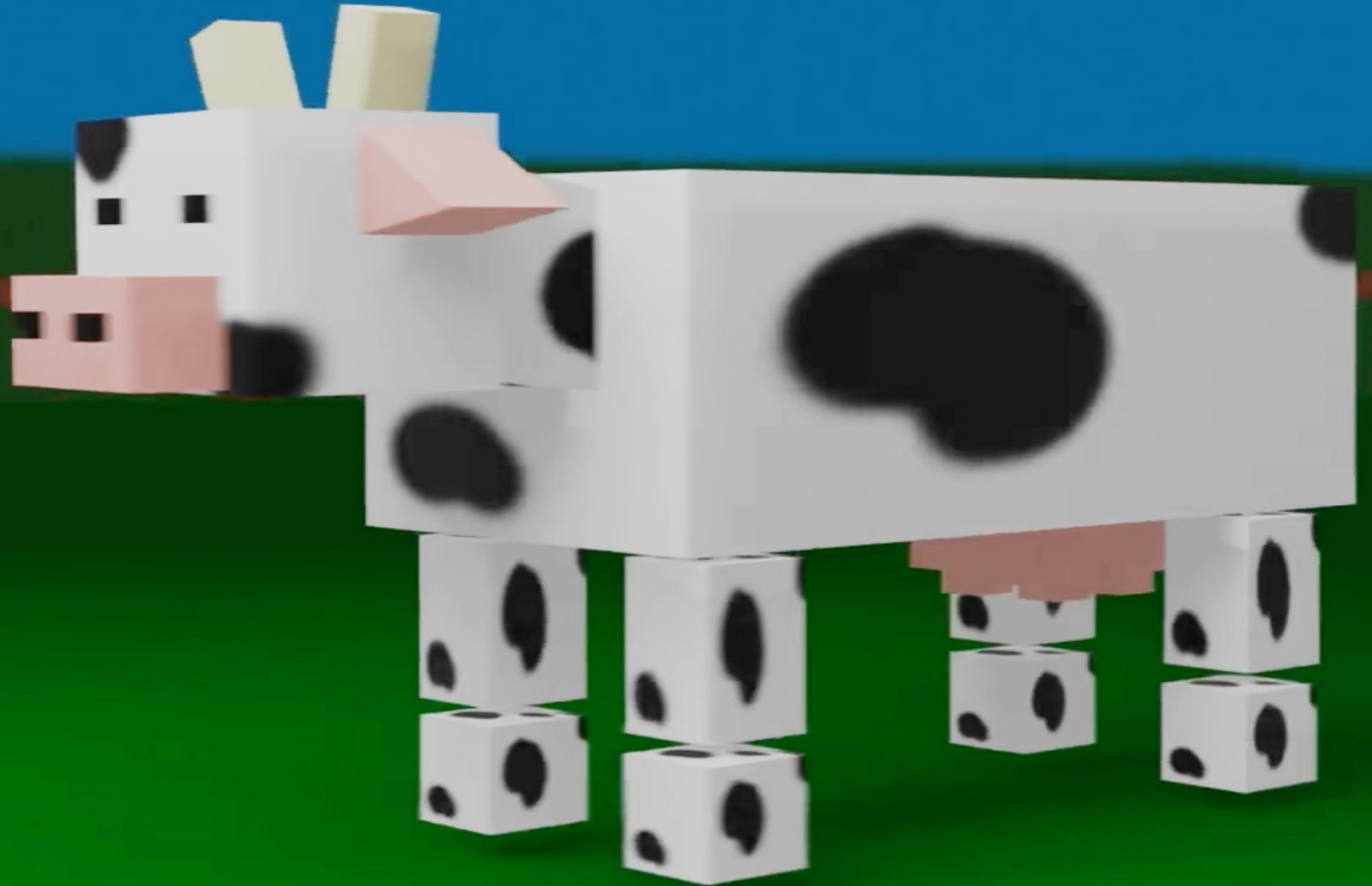
15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

SUSTAINABLE DEVELOPMENT GOALS

Video Pitch

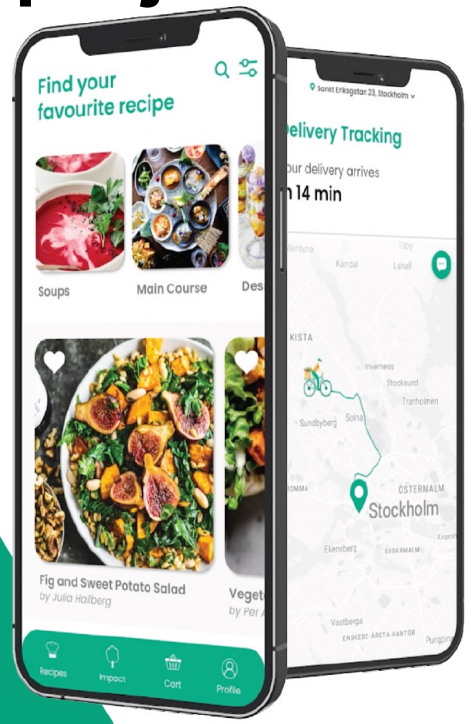


The image features a collection of shark silhouettes swimming in clear, blue water. The sharks are positioned at various depths and angles, creating a sense of movement. The lighting is bright, highlighting the water's texture and the dark shapes of the sharks. The overall composition is centered around the text 'Shark Tank'.

Shark Tank

ME2062 Technology-based Entrepreneurship

Venture project



Piatto

