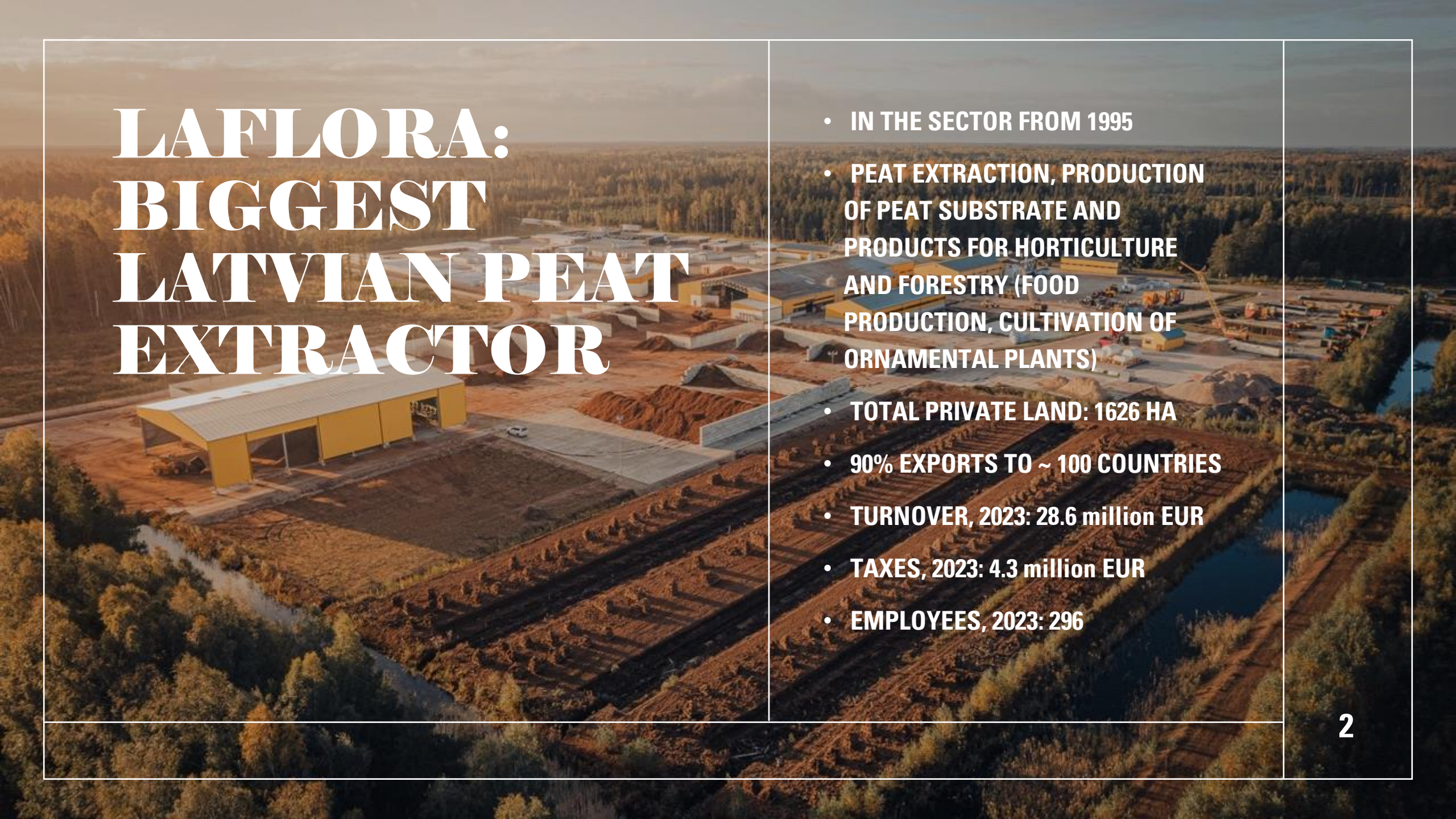
RETURN OF INSPIRATION

FROM CONVENTIONAL TO REGENERATIVE: EXPERIENCE OF LAFLORA LTD.

SABINA ALTA

DEVELOPMENT DIRECTOR OF LAFLORA LTD.



LAFLORA: BIGGEST LATVIAN PEAT EXTRACTOR

- IN THE SECTOR FROM 1995
- PEAT EXTRACTION, PRODUCTION OF PEAT SUBSTRATE AND PRODUCTS FOR HORTICULTURE AND FORESTRY (FOOD PRODUCTION, CULTIVATION OF ORNAMENTAL PLANTS)
- TOTAL PRIVATE LAND: 1626 HA
- 90% EXPORTS TO ~ 100 COUNTRIES
- TURNOVER, 2023: 28.6 million EUR
- TAXES, 2023: 4.3 million EUR
- EMPLOYEES, 2023: 296

IS EU GREEN DEAL POSSIBLE WITHOUT PEAT?

LATVIA IS THE LARGEST EXPORTER OF PEAT PRODUCTS IN THE WORLD

- LATVIAN PEAT PRODUCTS ARE IN DEMAND ALL OVER THE WORLD, THEY PLAY AN IMPORTANT ROLE IN EUROPEAN HORTICULTURE, PROVIDING 31% OF THE DEMAND FOR PROFESSIONAL HORTICULTURE:


Vegetables


Ornamental plants

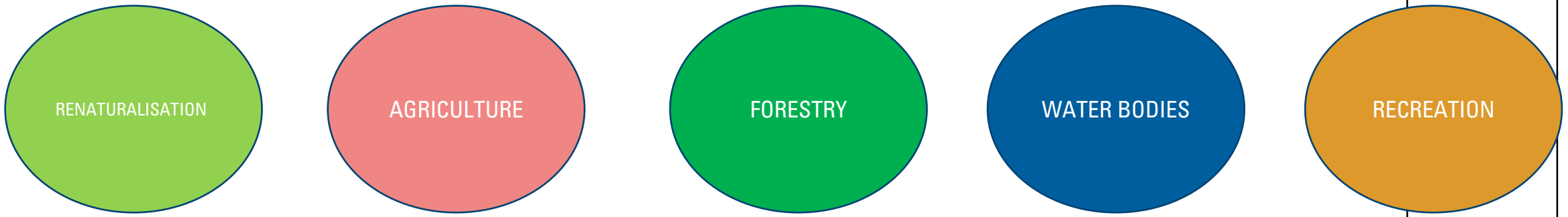

Forest youngplants


Landscaping

THERE ARE NO ANY ALTERNATIVES FOR PEAT AS A SUBSTRATE IN THESE USING AREAS!!

RECULTIVATION: PRIVATE VS PUBLIC

- WHEN TAKING A DECISION REGARDING THE USE OF THE PEAT BOG FOR THE EXTRACTION OF PEAT, A DECISION REGARDING THE AFTER-USE OF PEATLAND SHALL BE TAKEN AT THE SAME TIME, AS PROVIDED IN REGULATORY ENACTMENTS.
- **LANDOWNER DECIDES** RECULTIVATION TYPE AFTER PEAT EXTRACTION.



**CABINET OF MINISTERS OF LATVIA REGULATIONS NR. 570*

OUR VISION

LAFLORA ARTICULATES THE GUIDING PRINCIPLES OF ITS ACTIVITIES FOR THE MOST EFFICIENT USE OF THE PRIVATE OWNED PEAT BOG AS LAND CAPITAL IN THE INTERESTS OF THE OWNER, NATION AND STATE.

PEAT SECTOR IN THE FACE OF CHANGE

The first climate-neutral continent
by 2050

At least 55% less
net greenhouse gas emissions by 2030, compared to 1990 levels

3 billion
additional trees to be planted in the EU by 2030

PRI Principles for Responsible Investment

UN Sustainable Development Goals

Target 7.2: Increase substantially the share of renewable energy in the global energy mix

Target 8.8: Protect labour rights and promote safe and secure working environments for all

Target 9.4: Make infrastructure and industries sustainable, with increased resource efficiency and use of clean technology

Target 12.4: Environmentally sound management of chemicals and all wastes throughout their life cycle and significantly reduce their release to air, water and soil in order to minimise their adverse impacts on human health and the environment

12.2 Achieve the sustainable management and efficient use of natural resources

Target 13.3: Improve capacity on climate change management

OUR GOAL

TO BALANCE AND COMPENSATE EMISSIONS IN EXTRACTION AND PRODUCTION OF PEAT

IN SYNERGY WITH RENEWABLE ENERGIES, NATURAL CAPITAL RESTORATION AND TECHNICAL SOLUTIONS.

“WHEN NOTHING IS SURE, EVERYTHING IS POSSIBLE”

OUR WAY TO CLIMATENEUTRALITY INCLUDES:

- SCIENCE-BASED RESEARCH
- CARBON STORAGE
- COMPENSATORY MEASURES:
  - USE OF AER IN SELF-CONSUMPTION
  - PRODUCTIVITY OF PRODUCTION PROCESSES
  - RECULTIVATION BY DEVELOPMENT OF PLANTATION AREAS
  - PRODUCTION OF INNOVATIVE PRODUCTS WITH HIGHER CARBON SEQUESTRATION CAPACITY
  - OPTIMISATION OF TECHNOLOGICAL PROCESSES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Journal of Cleaner Production

Volume 378, 10 December 2022, 134559

Peat production for horticultural use in the Latvian context: sustainability assessment through LCA modeling

Riccardo Paoli, Maksims Feofilovs, Agris Kamenders, Francesco Romagnoli

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Three Seas

3SEAS INITIATIVE

PARTNERSHIP IN 3 STAGES OF PROJECT:

1. WIND PARK AND SOLAR PARK
2. GREEN INDUSTRIAL AREA
3. ACCUMULATION OF ENERGY (HYDROGEN OPTIONS, POWER-TO-X ETC)

Development of a Wind Farm Project

Report: 2020 2021 2022

Year registered: 2020

Type: Energy

Status: Registered

3SI countries proposing the project:

Latvia

Participating 3SI countries:

Partner countries:

* not part of the 3Seas Initiative

Main objectives:

- Company's Laflora development project enable development of a green industrial zone in Jelgava Region.

FIRST STEP: WIND PARK (2026)

2017 - 2018
- EIA (Environmental impact assessment)
- Booking of the grid

2021
- EIA approved
- Spatial planning
- Detailed technical solutions

2023 - 2024
- Technial designs
- Construction

2015 - 2016
- Initial assessments

2019 - 2020
- Detailed EIA
- All land rights fixed

2022
- Spatial planning approved
- Building permits

2025
- Commissioning, start of operation

SECOND STEP: GREEN INDUSTRIAL AREA (2030)

- RENEWABLE ENERGY RESOURCES
- NATIONAL ENERGY AND CLIMATE PLAN GOAL ACHIEVEMENTS
- COMPANIES WITH HIGH ENERGY CONSUMPTION
- NEW PRODUCT DEVELOPMENT

4 RETURNS IN KAIGU PEAT BOG

Return of Inspiration

Return of Natural Capital

NATURAL ZONE

- RESTORING VEGETATION
- NATURAL RESTORATION
- WETLAND CONSTRUCTION

Return of Social Capital

COMBINED ZONE

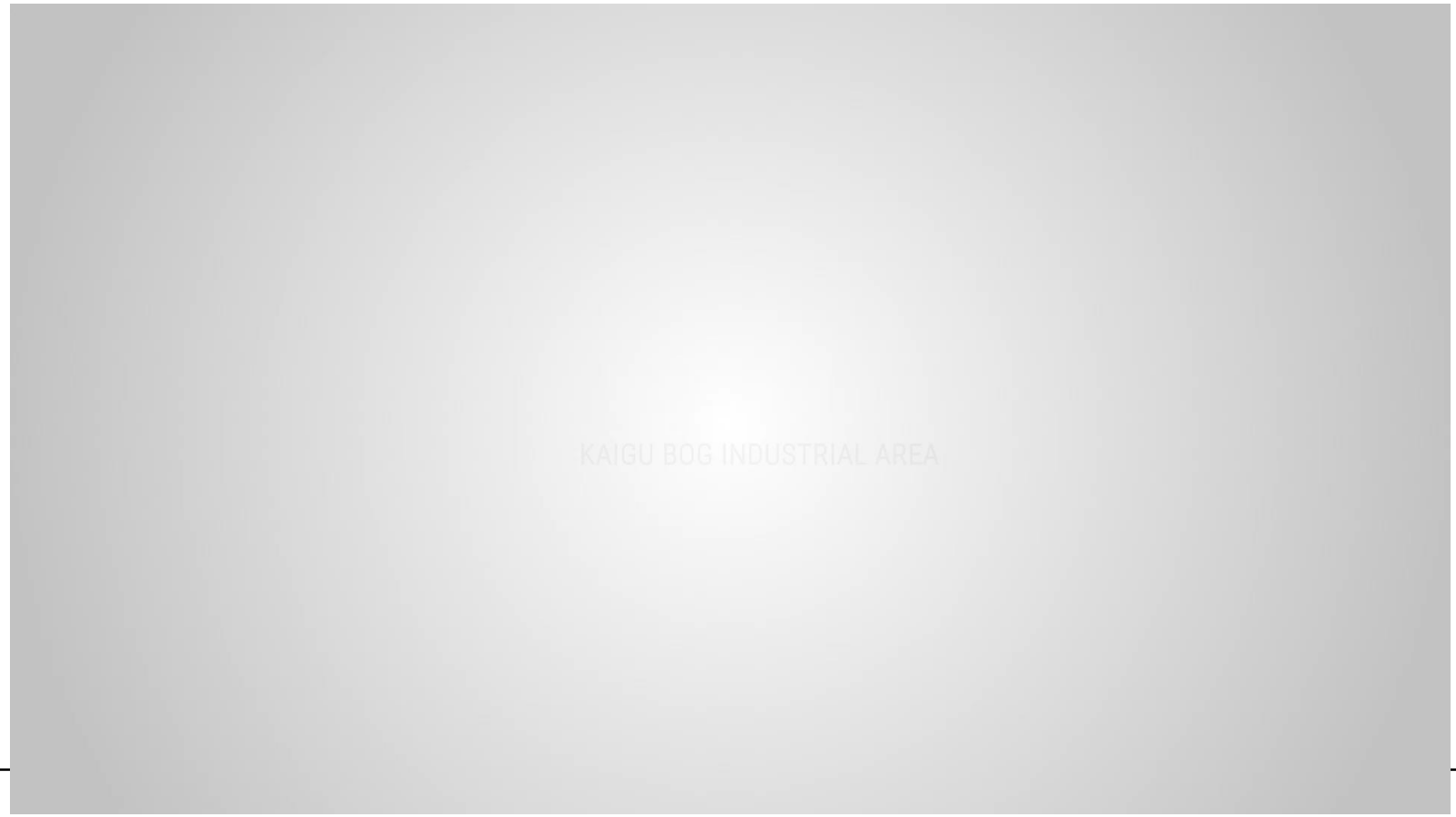
- LAND RESTORATION
- PLANTING PALUDICULTURES
- CO2 CAPTURE

Return of Financial Capital

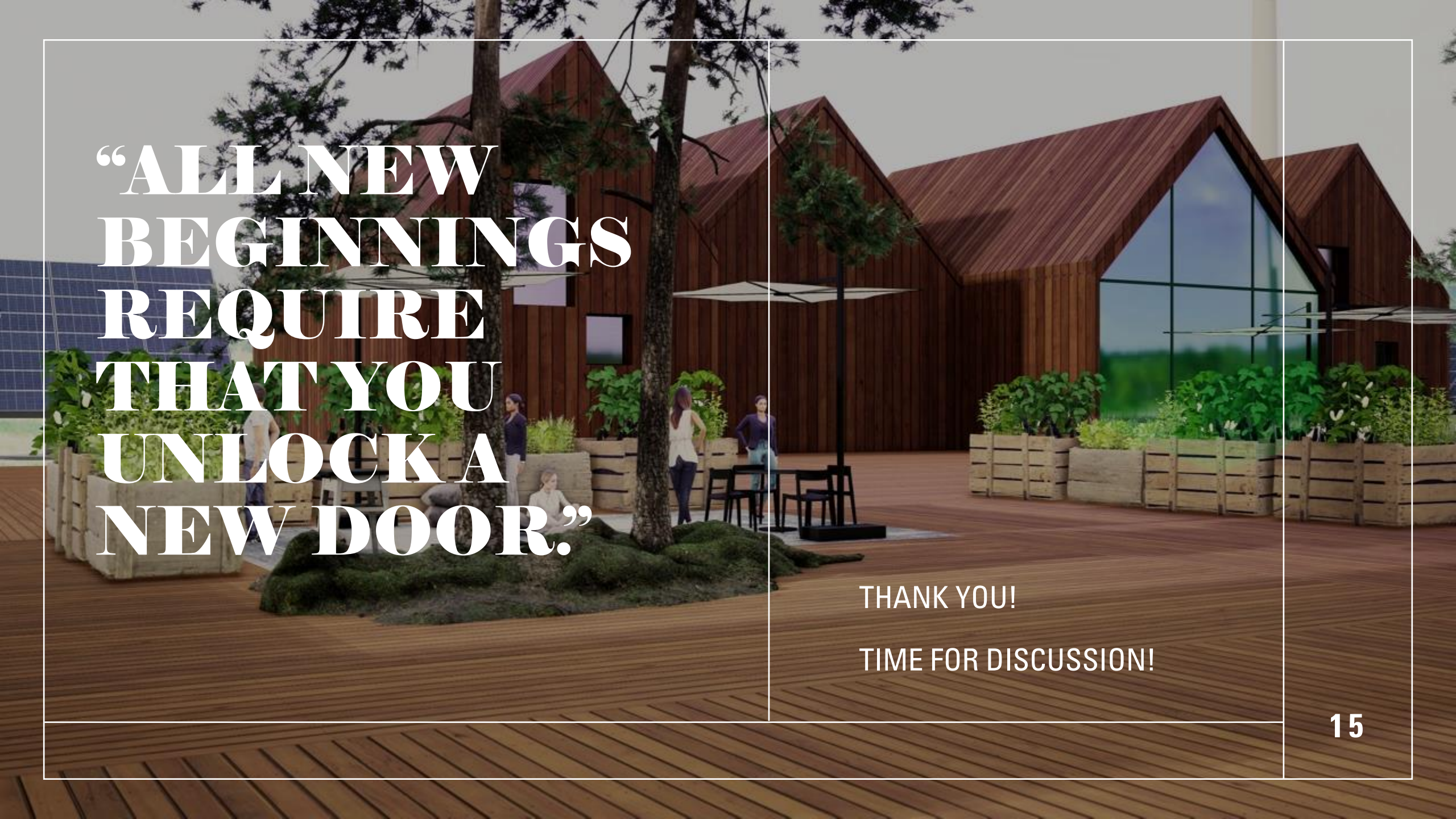
ECONOMIC ZONE

- SUSTAINABLE AGRICULTURE, FORESTRY, AQUACULTURE
- INFRASTRUCTURE FITTING IN LANDSCAPE
- AER RESOURCES

UNPRECEDENTED LEVEL OF DEVELOPMENT WITH NEW CHALLENGES AHEAD



https://youtu.be/70f4SSka4kI?si=s3fsz9LL4nTVLyzi



“ALL NEW BEGINNINGS REQUIRE THAT YOU UNLOCK A NEW DOOR.”

THANK YOU!

TIME FOR DISCUSSION!