



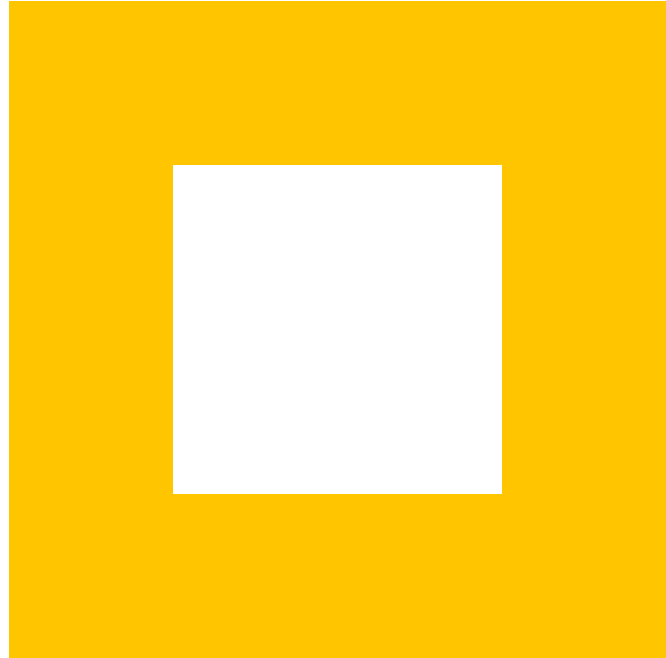
# SDG Fair Parallels

Namibia's Southern Corridor Development Initiative

[www.hppii.gov.na](http://www.hppii.gov.na)

Rev 0 | 14 Dec





# Namibia is **resolutely committed** to the Paris Agreement

Namibia's Updated NDC's | 2021





# UNGA | 2021

Namibia Presentation | 2021

## Agenda

- 1) Bigger Picture
- 2) Parallels
- 3) SCDI Development Timeline
- 4) SCDI Overview
- 5) SCDI Projects
- 6) Supporters of SCDI
- 7) Funding The SCDI
- 8) Questions





# Bigger Picture

What does Namibia want to achieve ?



## Goal 1

**Shift the Trillions:** Use innovative approaches to leverage and redirect private sector capital for climate financing



## Goal 2

**Decarbonize** SADC and the world through Exports of Green ammonia and Hydrogen



## Goal 3

Become a **case study** for other Nations on how to truly Build Back Better



# Parallels

We are cognizant of Global priorities and commitments and have drawn striking parallels between the common narrative to simply “Build Back Better, together”.



## Build Back Better World

The priority focus of B3W is **sustainable and resilient projects** with a focus on climate



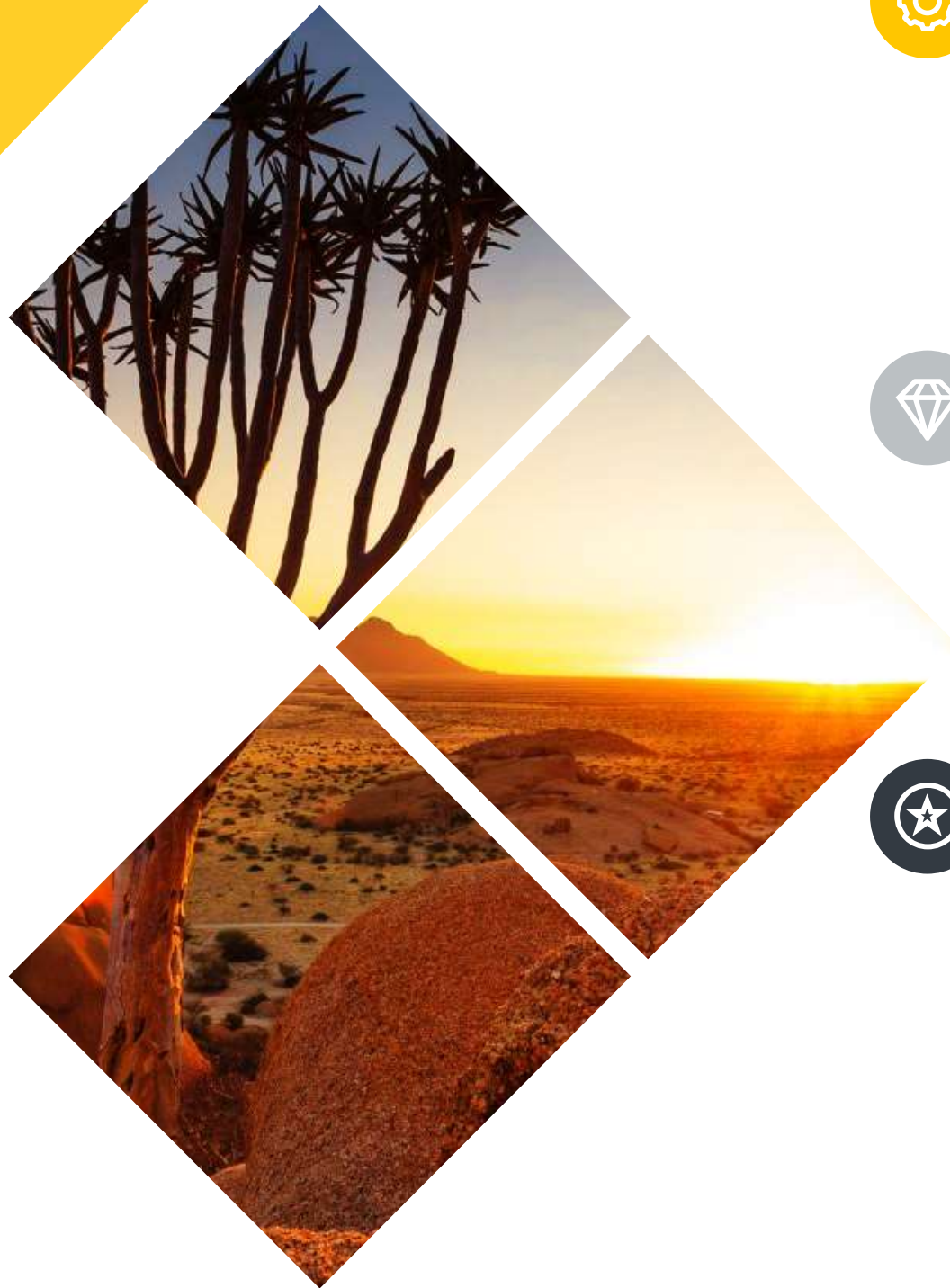
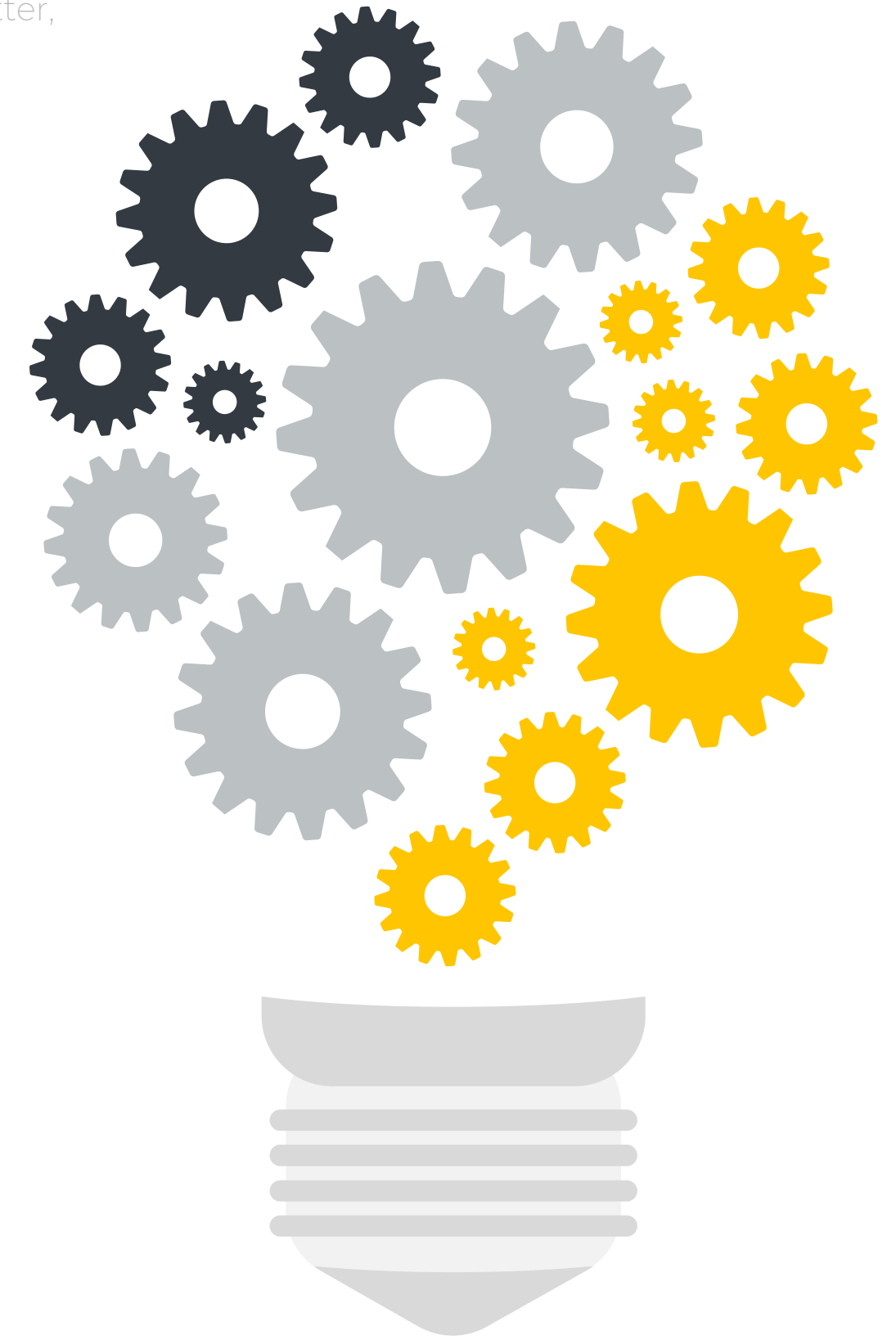
## Southern Corridor Development Initiative

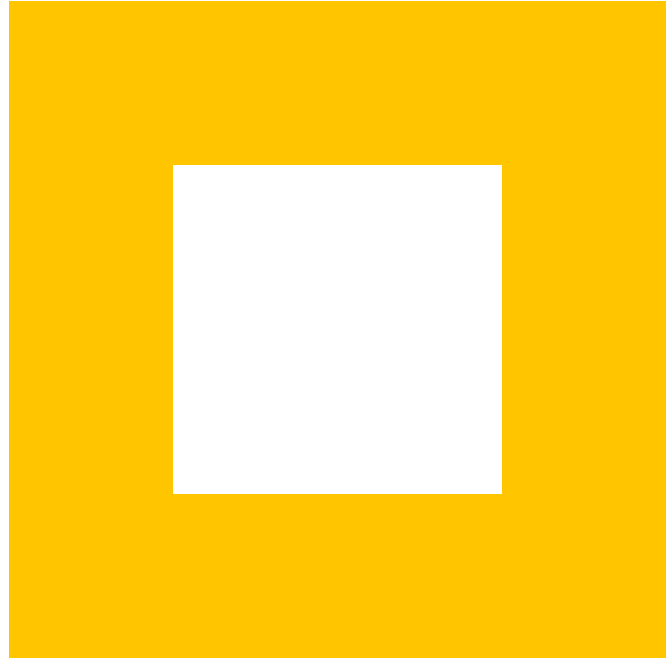
Namibia’s SCDI is an **accelerated, sustainable and resilient climate focused initiative** that supports the Paris Agreement Goals.



## COP 26

**Accelerate** action towards the **goals of the Paris Agreement** and the UN Framework Convention on Climate Change.





# SCDI Development Timeline

Development of the SCDI



# SCDI Timeline

Development of the Southern Corridor Development Initiative



## Sep 2020 UNGA75

H.E. The President of Namibia outlines a vision during UNGA75



We support debt for climate swaps



**18 March 21 HPPII Launch**

The Harambee Prosperity Plan was launched by HE. The President in March 2021



“

The Southern Corridor Development Initiative is outlined in the Economic Advancement Pillar of the Harambee Prosperity Plan II

**25 August 21 Signed JCol with BMBF**

Namibia Signed a Joint Communiqué of Intent with the German Government





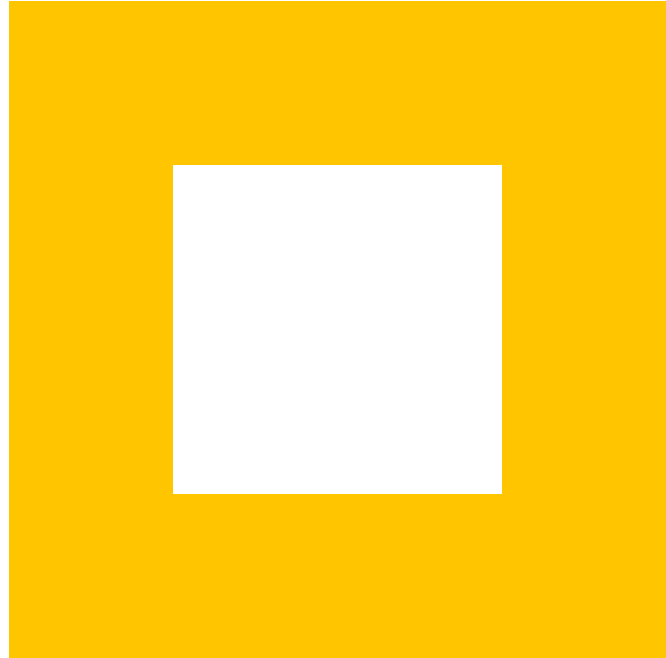


## Sep 2021 9 SCDI Offers Received

Namibia Receives 9 Commercial Proposals to Develop Large Scale Green Hydrogen Projects for the SCDI



our economic recovery programme will generate new and diversified frontiers of growth and will **optimise the stewardship** of our natural resources and public assets, while proactively pursuing opportunities in the blue and green economies.



# SCDI Overview

What is the SCDI ?





# SCDI Overview

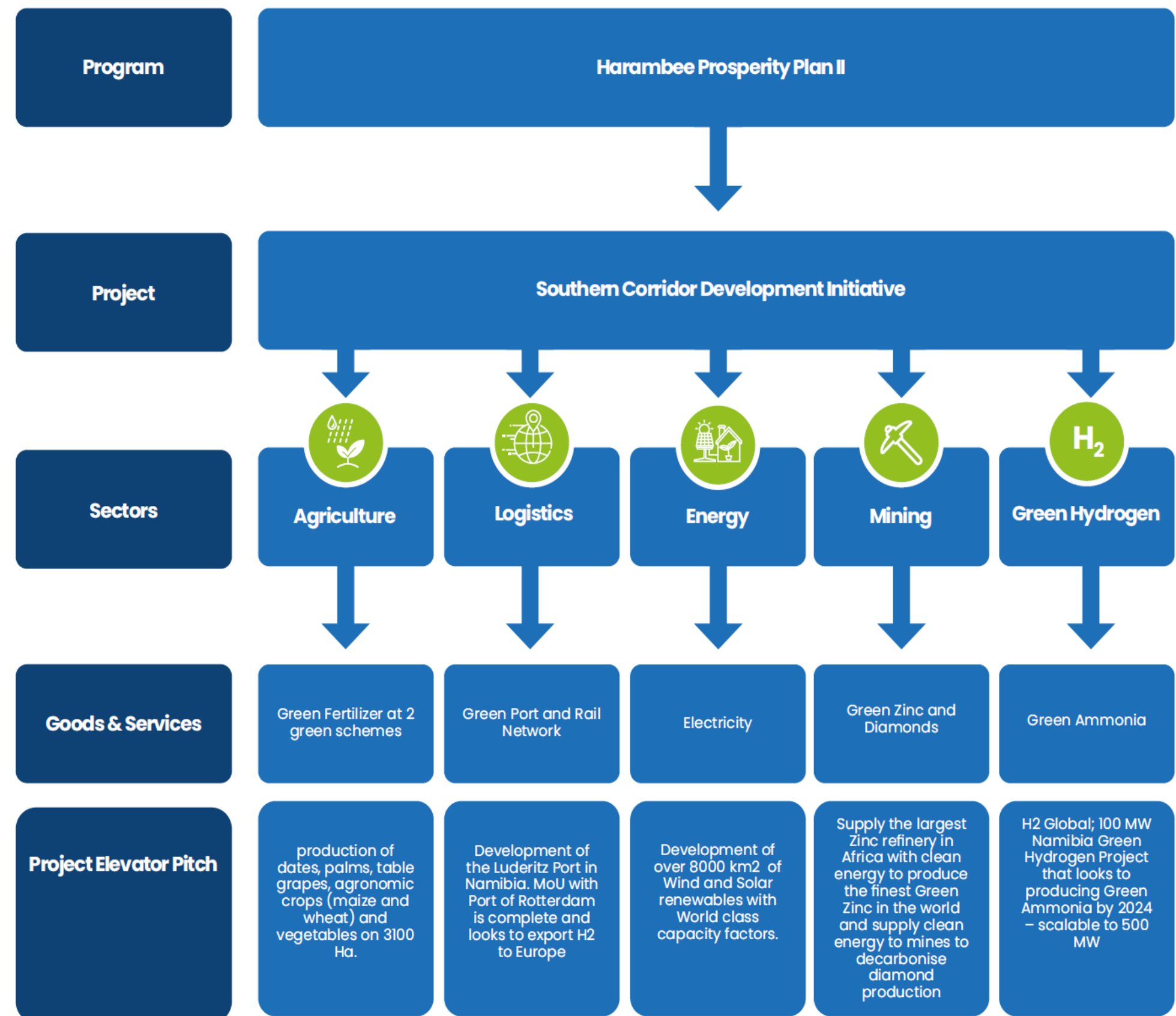
The SCDI is a portfolio of projects across various sectors

## ★ What is The SCDI

The SCDI is a portfolio of complementary projects and infrastructure in the Southern Region of Namibia, that maximises the opportunity presented by Green Hydrogen and Ammonia for the country.

## ★ The opportunity

Use an innovative approach to leverage and redirect private sector capital for climate financing



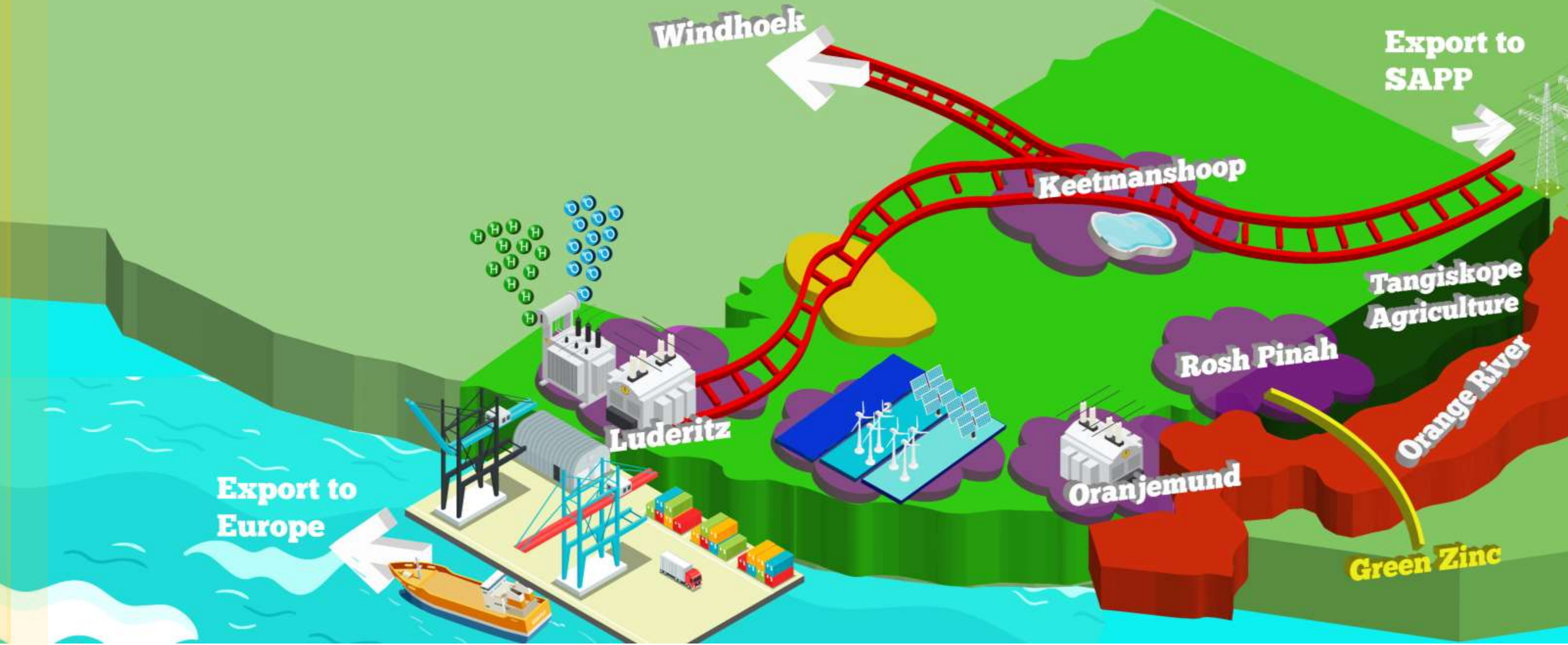


# SCDI Overview

Overview of the SCDI

## Legend

-  Special Economic Zone
-  H Global !han/awab conservancy (CSP)
-  Nam GH<sub>2</sub> site
-  Dolphine Site
-  Springbok Site
-  Railway



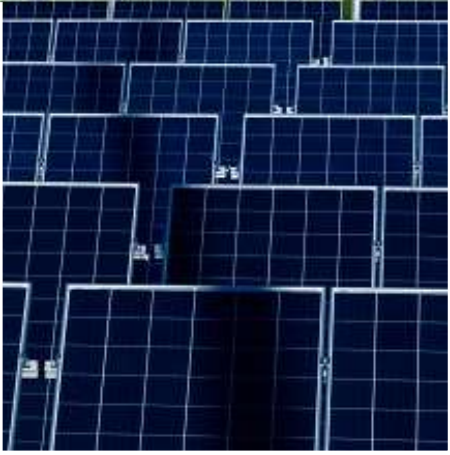
# SCDI Projects

The SCDI has a Portfolio of **5 Projects**



Green Hydrogen & Ammonia | Green Schemes | Green Railway line | Clean Energy Portfolio | Green Port





# H<sub>2</sub> Global Project

Namibia's H<sub>2</sub> Global Proposal | 100 MW



## Overview

Namibia intends to submit an application for the H<sub>2</sub> Global bid, that calls for scalable Green Hydrogen supply to Germany in 2024. The project looks to bridge the current cost curve and has the potential to kick start the H<sub>2</sub> industry.



## Key project Drivers

- Wind Resource : Wind Speed Over 8m/s and Gross CF Over 60%
- Solar Resource : DNI over 2400 kw/m<sup>2</sup>/year and Gross CF Over 30%
- Access to Port land and for industrial park (desalination, air separation units, etc.)
- All of Government support to ensure generation capacity of 100 MW electrolier by 2024



## Project Cost

Estimate Project Cost : US\$ 720 mill (500 MW electrolyzes)

### Sustainable Development Goals



# 3100ha of Green Farms

Green Schemes on 2 Farms over 3100 ha.



## Overview

The project is aimed at increasing the domestic food production and reducing the dependence on imports to ensure food security in Namibia. Improving the agricultural productivity and creating food security is a critical objective to be achieved by the Government of Namibia as per the NDP5 and Vision 2030, and the Harambee Prosperity Plan



## Key project Drivers

- Namibia produces only 40% of the Food it consumes.
- Water security from the Necerkal dam (100% full) and the Oranje River (Perennial river)
- Prime land to develop dates, palms, table grapes, agronomic crops and vegetables.



## Project Cost

Estimate Project Cost : US\$ 100 mill

### Sustainable Development Goals



# 220MW Energy Portfolio

Development of 220 MW of Energy projects by 2024



## Overview

Namibia is highly dependent on imports. Local installed capacity in 2020 was at 624 MW. According to the National Integrated Resource Plan peak demand is currently at 673MW and is projected to rise to 931MW in 2025 and 1,348MW in 2030. It is expected that Namibia will achieve an installed capacity target of 879MW by the end of the Harambee Prosperity Plan II Period (2025)



## Key project Drivers

- 380 MW imports
- Wind Resource : Wind Speeds Over 8m/s and Gross CF Over 60%
- Solar Resource : DNI over 2400 kw/m<sup>2</sup>/year and Gross CF Over 30%



## Project Cost

Estimate Project Cost : US\$ 1.5 billion

### Sustainable Development Goals





# Green Sandverhaar Rail

Upgrade of 42km section of rail to to 16.5 ton axle load



## Overview

The strategic positioning of Namibia as a transport and logistics hub has catalysed significant investment in the Walvis Bay and Lüderitz seaports and roads, rail and selected airports. The proposed project looks to support manganese transported from the Tshipi é Ntle manganese mine through the Trans-Oranje Corridor route to the Port of Lüderitz.



## Key project Drivers

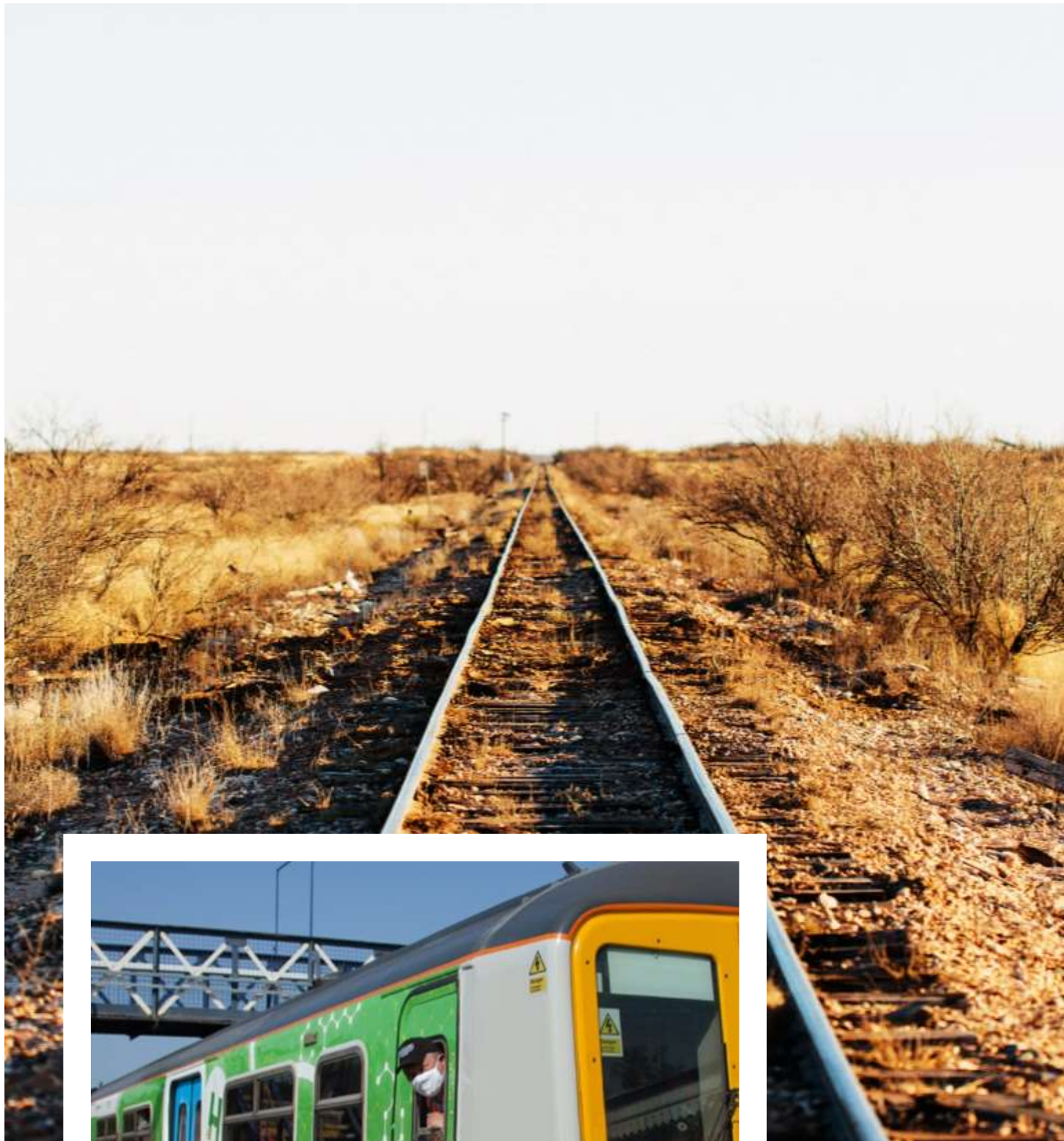
- Over six million tons of manganese ore per annum
- New products such as iron ore, grapes and containers
- Existing Clientele keen to sign off-take to transport commodities

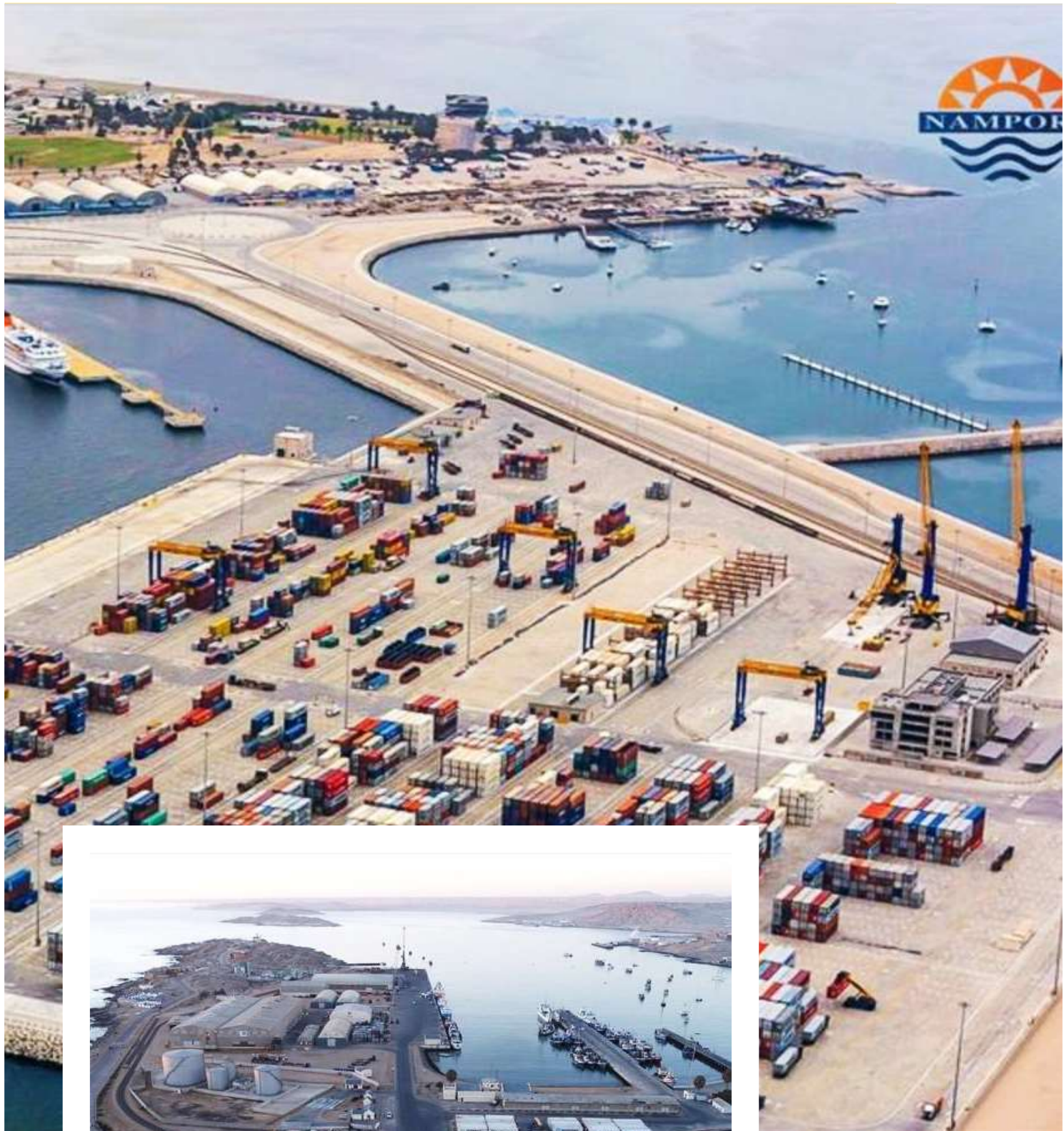


## Project Cost

Estimate Project Cost : US\$ 1 billion (Complete Network)

### Sustainable Development Goals





# Green Ludertiz Port

Development of a new Port at Angra Point



## Overview

The current Port of Lüderitz is constrained by shallow water depth which limits vessel sizes that can safely enter the port. The deepest water depth is 8.15m below chart datum. It was found that the best solution to expand the current port is to develop an entirely new deep-water port in the adjacent bay at a location called Angra point.



## Key project Drivers

- MOU signed in September 2021 with Port of Rotterdam
- Namport will develop and operate common infrastructure
- Demand for Exports for Green Hydrogen, Manganese, Crops (Grapes and Dates) and Zinc

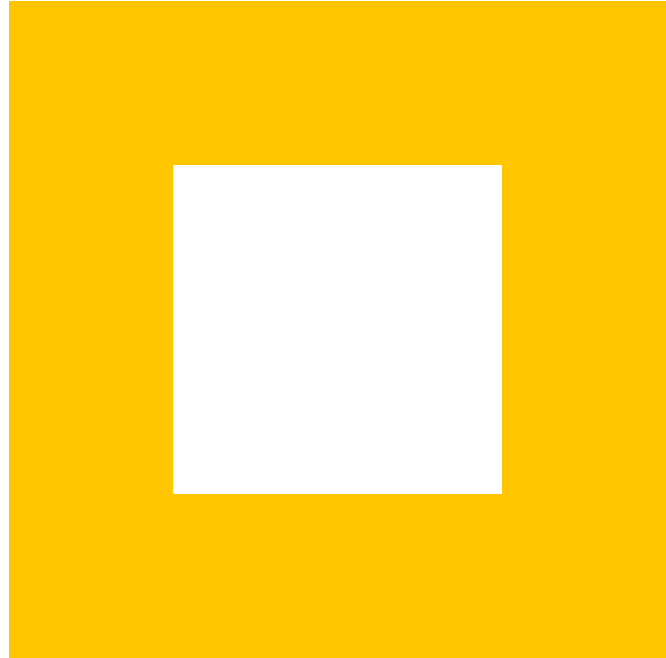


## Project Cost

Estimate Project Cost : US\$ 1 billion

### Sustainable Development Goals





# Supporters of The SCDI

Supporters of the SCDI



# Germany | Namibia JCol

Joint Communiqué of Intent (JCol) between Germany and Namibia

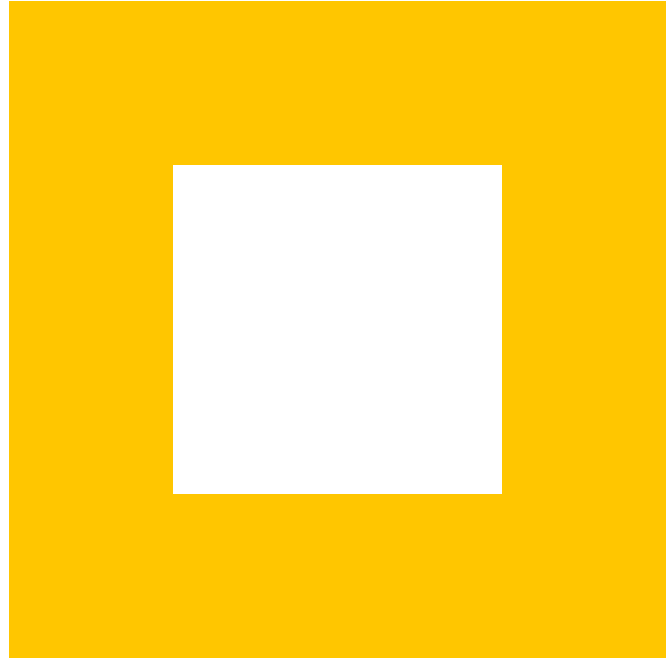


## ★ 40 mill Euro Grant

Namibia is engaging various strategic partners to support this commitment. One such, is the recently signed 40 mill Euro Grant to develop the SCDI

## ★ Use of the Funds

- 1) Project Preparation and Feasibilities
- 2) Development of Green Hydrogen Pilot Plants
- 3) Seed funding for the Namibia Green Hydrogen Institute
- 4) Develop supporting legislation and frameworks



# Funding The SCDI

Sourcing Funding for the SCDI



# Funding the SCDI

Namibia is implementing a holistic approach for strengthening financing policies and institutions

## ★ **Central Security Deposit**

The Government is at advanced stages of developing a central securities depository to enable the digital transfer of ownership for Namibia bonds

## ★ **Integrated National Financing Framework**

Following the DFA, Namibia has commenced with developing the INFF

## ★ **Sustainability Bond**

Funding of the SCDI using various bonds : Sustainable, Green and Social Bonds

## ★ **Multi -Listing**

The proposed bond will be listed in various strategic markets in 2022



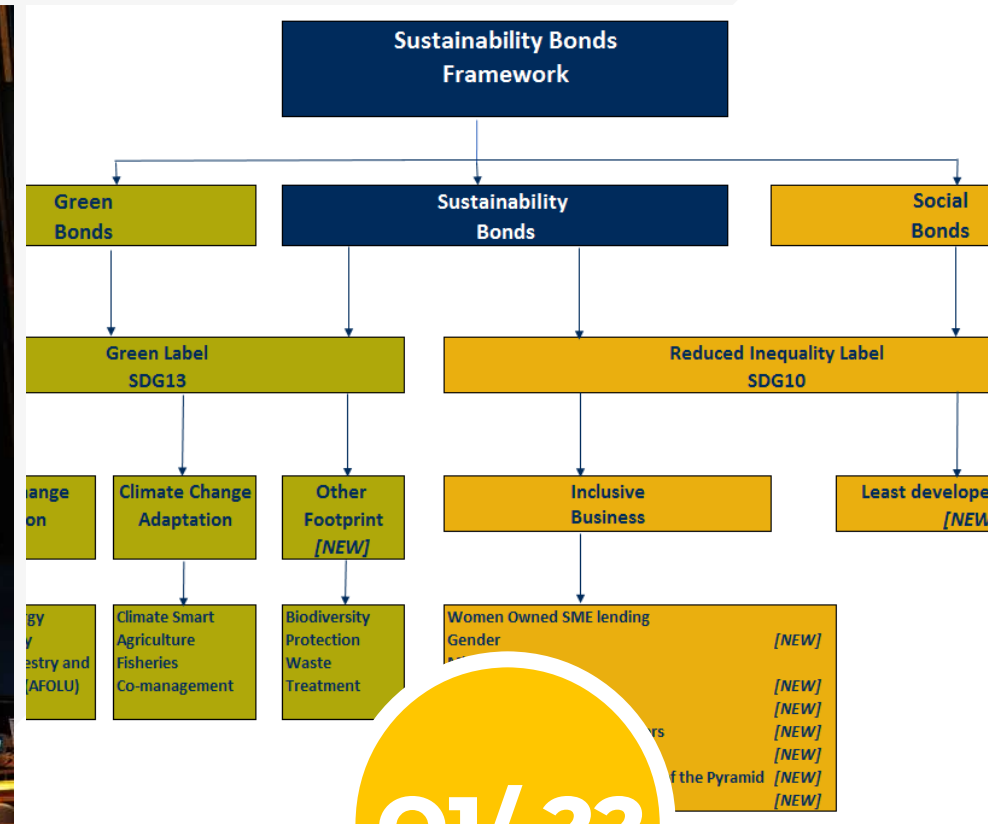
# Sustainability Bond Timeline

Development of the Southern Corridor Development Initiative



## Bond Teaser

Introduce the teaser for the sustainability bond development



## Bond Framework

Develop Sustainability Bond Framework

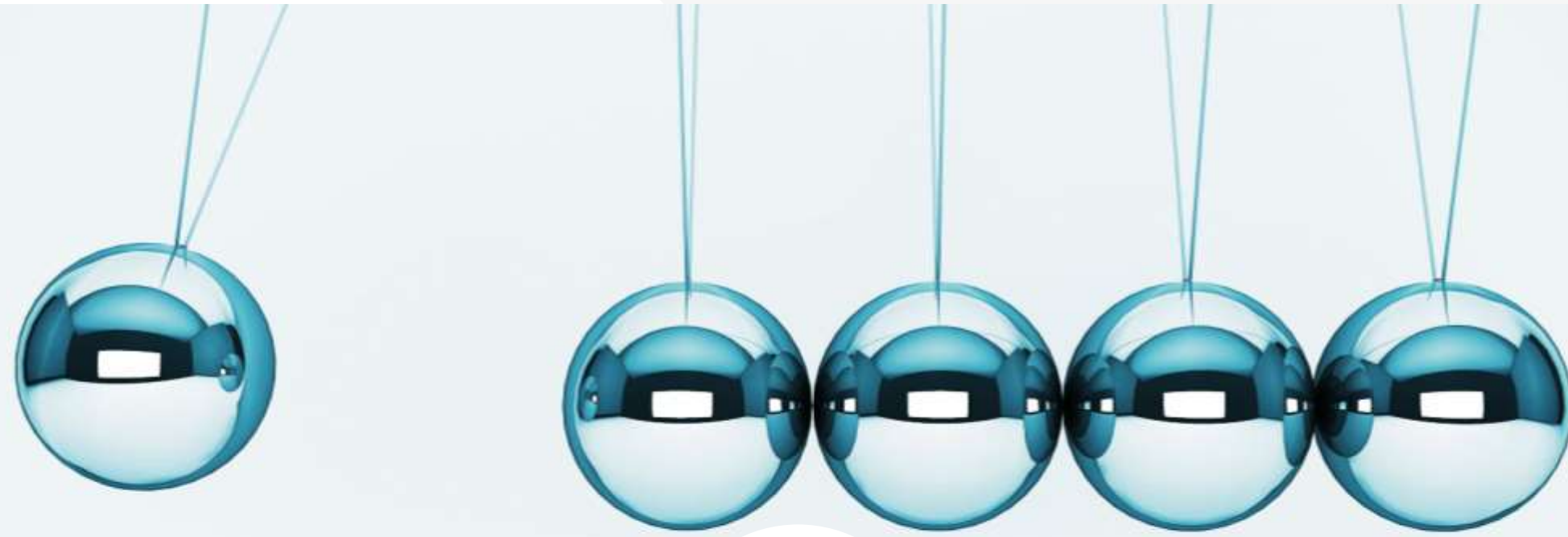


## Impact

Review Impact, Eligibility & Reporting Criteria

# Sustainability Bond Timeline

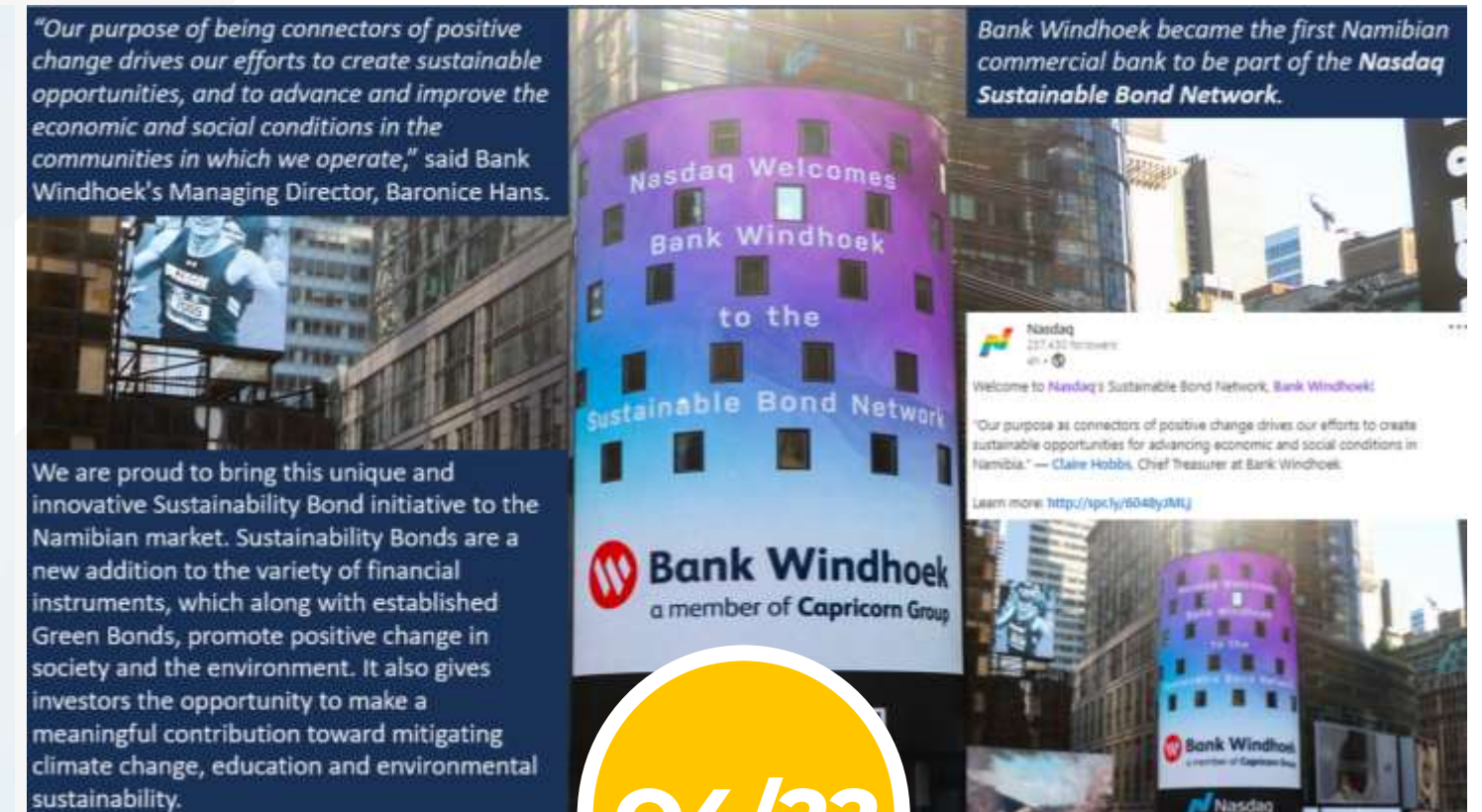
Development of the Southern Corridor Development Initiative



Q3/22

## Marketing of Bond & Review of Projects

In the 3<sup>rd</sup> Quarter of 2022, a final review on the projects and marketing of the Bond



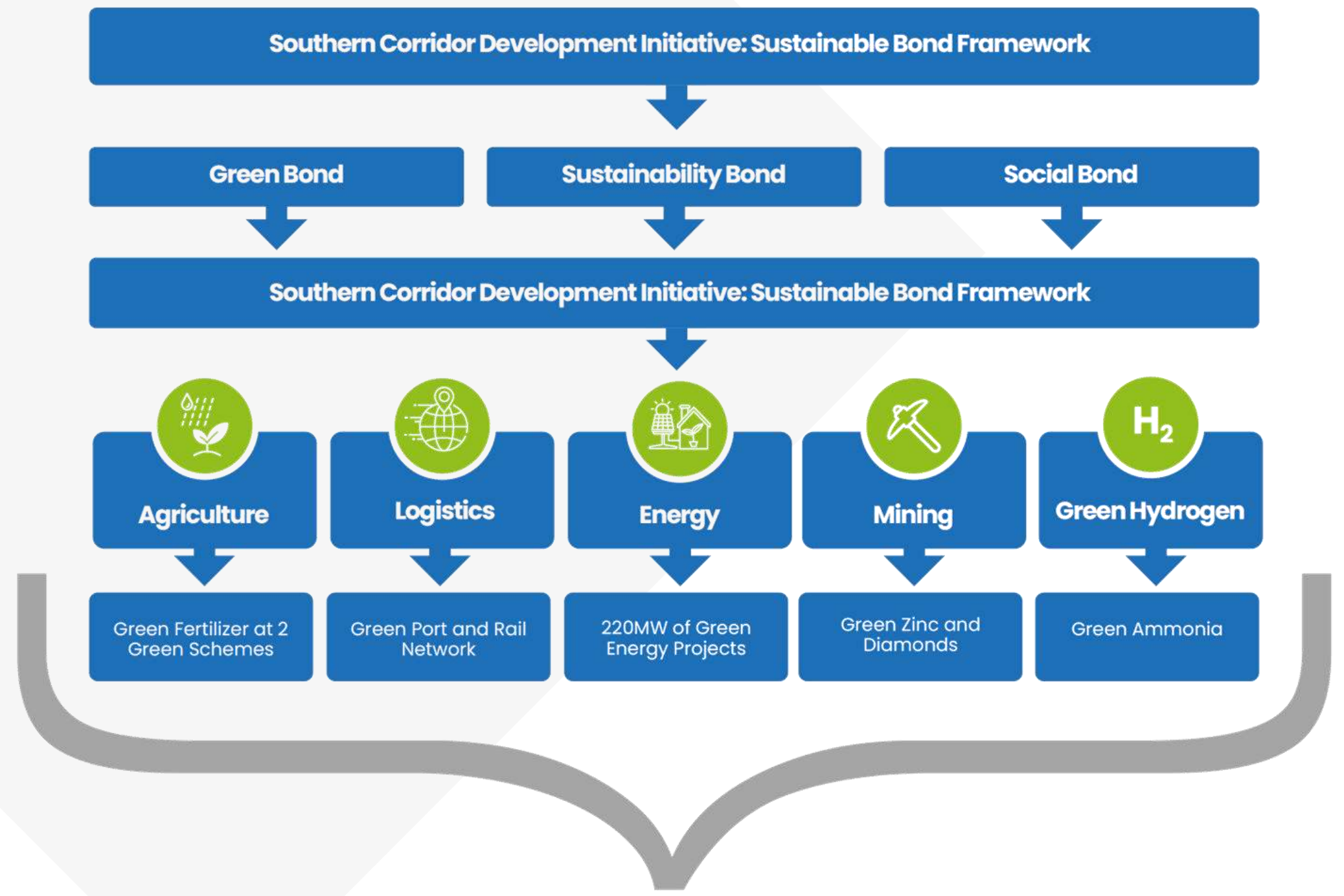
## Bond Issuance

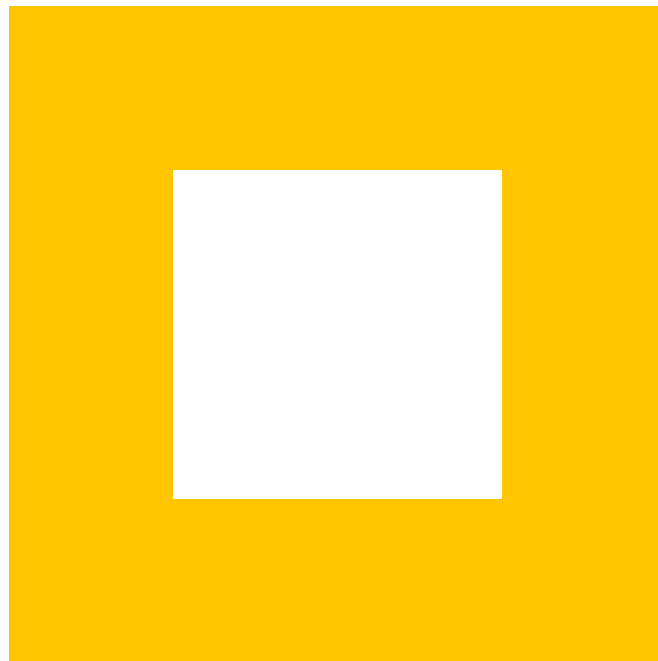
The listing of the bond is planned for Quarter 4, 2022



# Funding Structure

Overall Funding Structure Summary





# Thank you

**values-driven, high standard, and transparent infrastructure partnership that can offer recipient communities the long-run benefits, protections, and transparency they deserve.**

Aligned with Global Priorities | COP 26





# Questions ?

Question & Answer Session ?

Decarbonize SADC and Europe through Exports of  
Green ammonia and Hydrogen