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# Sustainable operations in the network industry

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**15.11.2022**

# AGENDA

- Relevance for Industry
- Terminology
- Road to Net Zero
- Main Pillars





[..] **GREENHOUSE GAS REDUCTIONS** [..], AND THE QUALITY OF PLANS TO MEET THEM, ARE **CRITICAL** TO THE LONG-TERM **ECONOMIC INTERESTS** OF YOUR SHAREHOLDERS.

— Larry Fink, CEO BlackRock

SCIENCE NEWS SEPT. 10, 2021 / 4:40 PM

## Global computing's carbon footprint is bigger than previously estimated

By Brooks Hays

OPINION

## Sustainability in the tech industry: The hidden problem and how to tackle it

Businesses are constantly innovating towards a better tomorrow—to compete, win customers, and expand into new territories. However, to exist and grow in tomorrow's world, organisations must adopt sustainability. Priyanka Roy, enterprise evangelist, ManageEngine outlines the steps that in the IT sector can implement to adopt a sustainable approach.



g Editor

2021 10:30 PM PST

## The carbon-belching ICT sector must do better on the environment



Morris Lore  
IAIN MORRIS,  
News Editor

9/2/2022

By early 2023, UK energy bills will be so high that most families will be burning furniture outside their front doors just to stay warm affordably. After a blistering summer, the energy crisis in the UK and other parts of Europe – caused by a cocktail of blinkered government regulation, lockdowns designed to halt the spread of COVID-19 and war in Ukraine – has galvanized the search for efficient, climate-friendly and politically acceptable alternatives to Siberian gas. In the telecom industry, whose operators spend about 5% of their operating expenses on energy, it is a good time to be trotting out the "net" showcasing the shit-powered basestation.

Vodafone previously claimed to have one such biogas

Oregon Tech

## As Amazon expands in eastern Oregon, regional carbon emissions soar

Updated: Sep. 06, 2022, 5:16 p.m. | Published: Sep. 06, 2022, 7:02 a.m.

## The trouble with data center energy figures

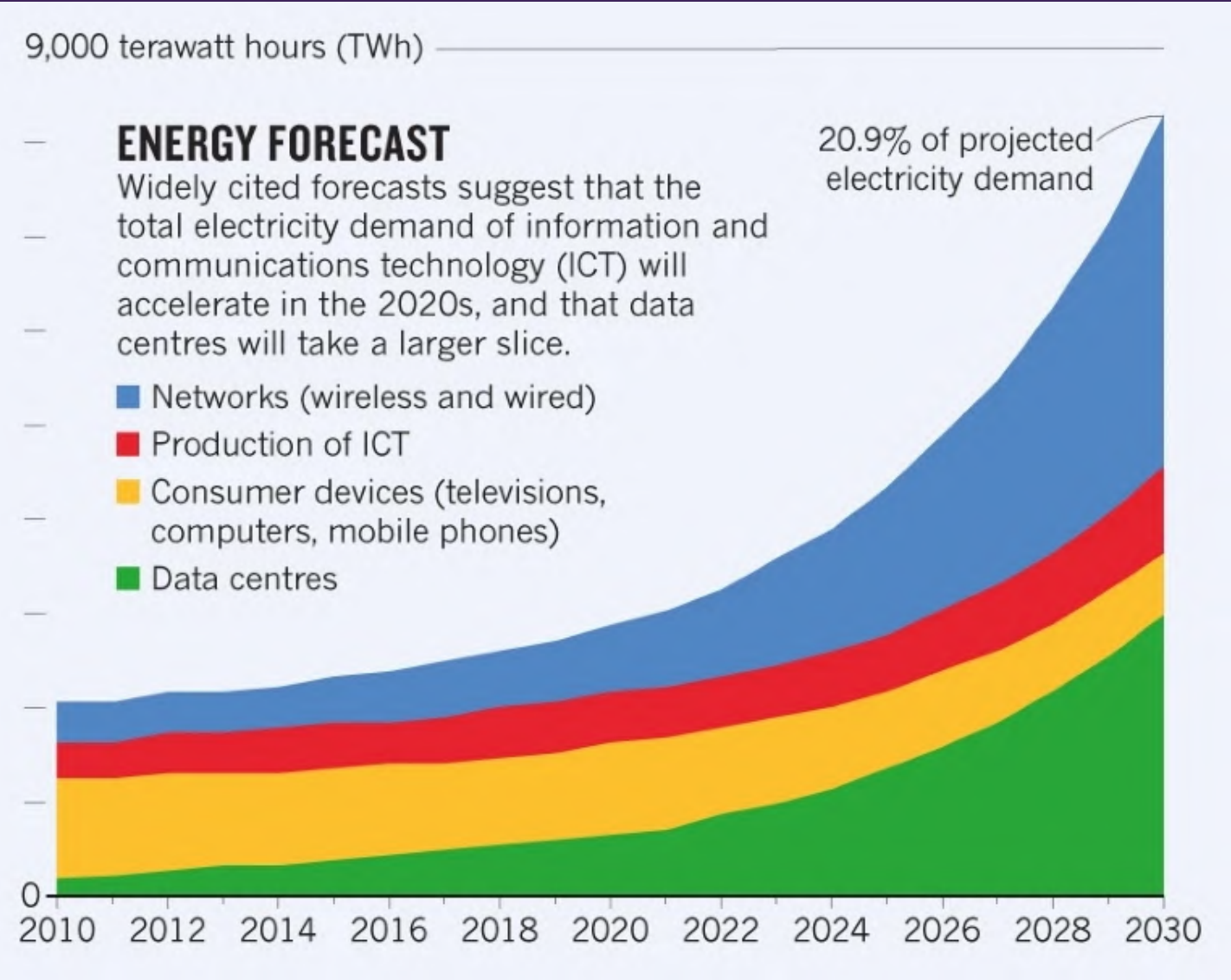
Here's how to get reliable energy data - and why we badly need it

September 22, 2022 By: Peter Judge Comment



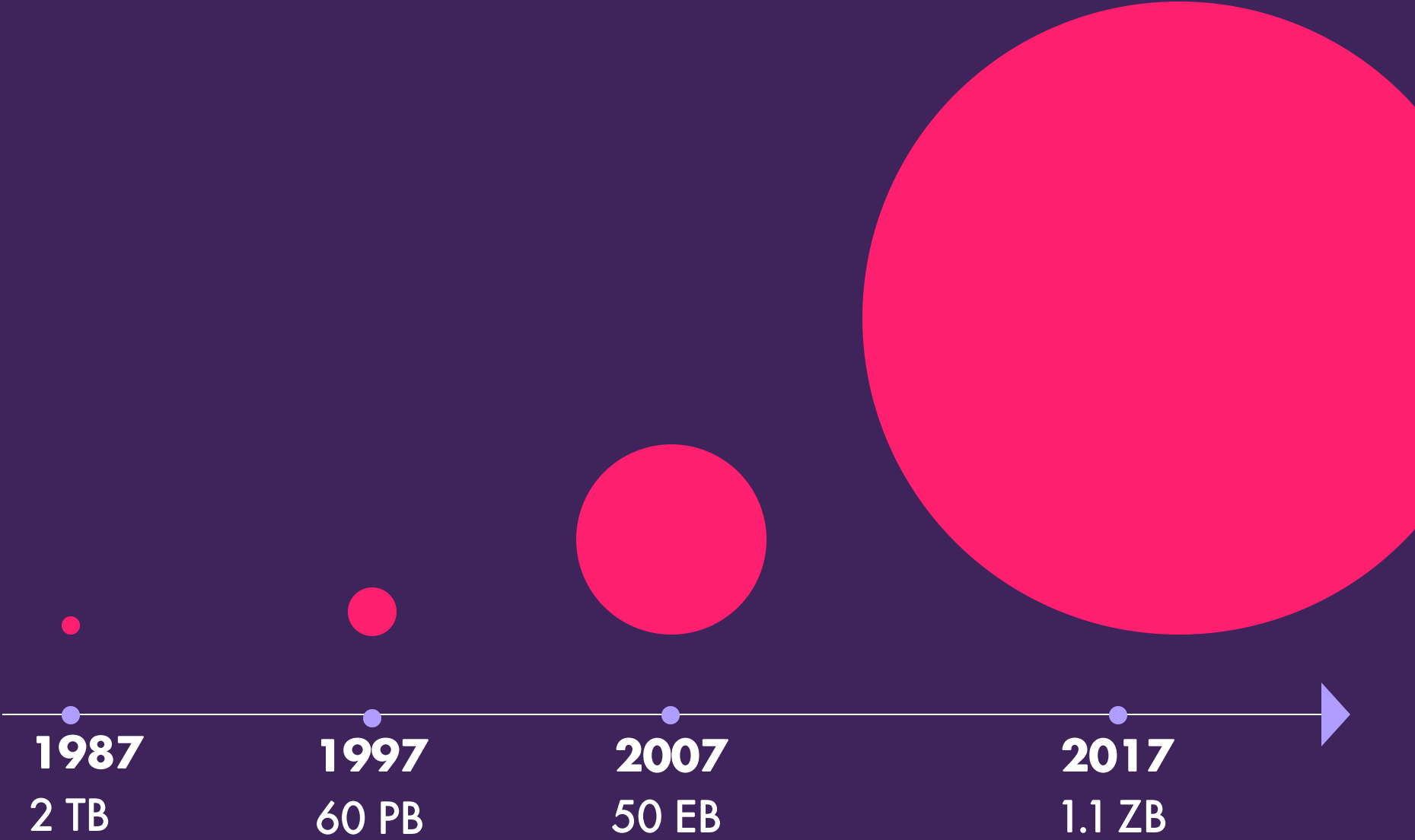
# PROJECTIONS

## EXPECTED CASE



by Anders Andrea, specialist in sustainable ICT

## EXPONENTIAL GROWTH IN TRAFFIC



# WHAT WE SEE IN THE INDUSTRY



Wide range of commitment goals



Great variety in available reports



Uptick in interest and knowledge about the topic



Associations dedicated to the topic





# SHIFTS IN THE MARKET



**Regulatory changes**



**Consumer pressure**



**Financing by investors**



**Employee expectations**



**Company value increase**



# REGULATIONS



**EU Taxonomy**



**CSRD**



**EU Supply Chain Law**



**National Climate Regulations**





# CLOSER LOOK AT REGULATIONS

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## EU Taxonomy

- > 500 employees and/or Financial market participants
- Application date January 2022/23
- Sustainable economic activity defined by 6 environmental objects
- Basis for attracting higher investments

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## CSRD (CORPORATE SUSTAINABLE REPORTING DIRECTIVE)

- > 250 employees and/or > €40M Turnover and/or > €20M Total Assets + Listed companies (49,000 companies affected)
- Application date FY 2023
- Compulsory 3rd party auditor
- Additional reporting requirements







**WHERE DO WE START?**



# DEFINITIONS

## CARBON NEUTRALITY

**"is taking steps to remove the equivalent amount of CO<sub>2</sub> to what's emitted through activities across their supply chains, by investing in 'carbon sinks' that absorb CO<sub>2</sub>." - National Grid**

## NET ZERO EMISSION

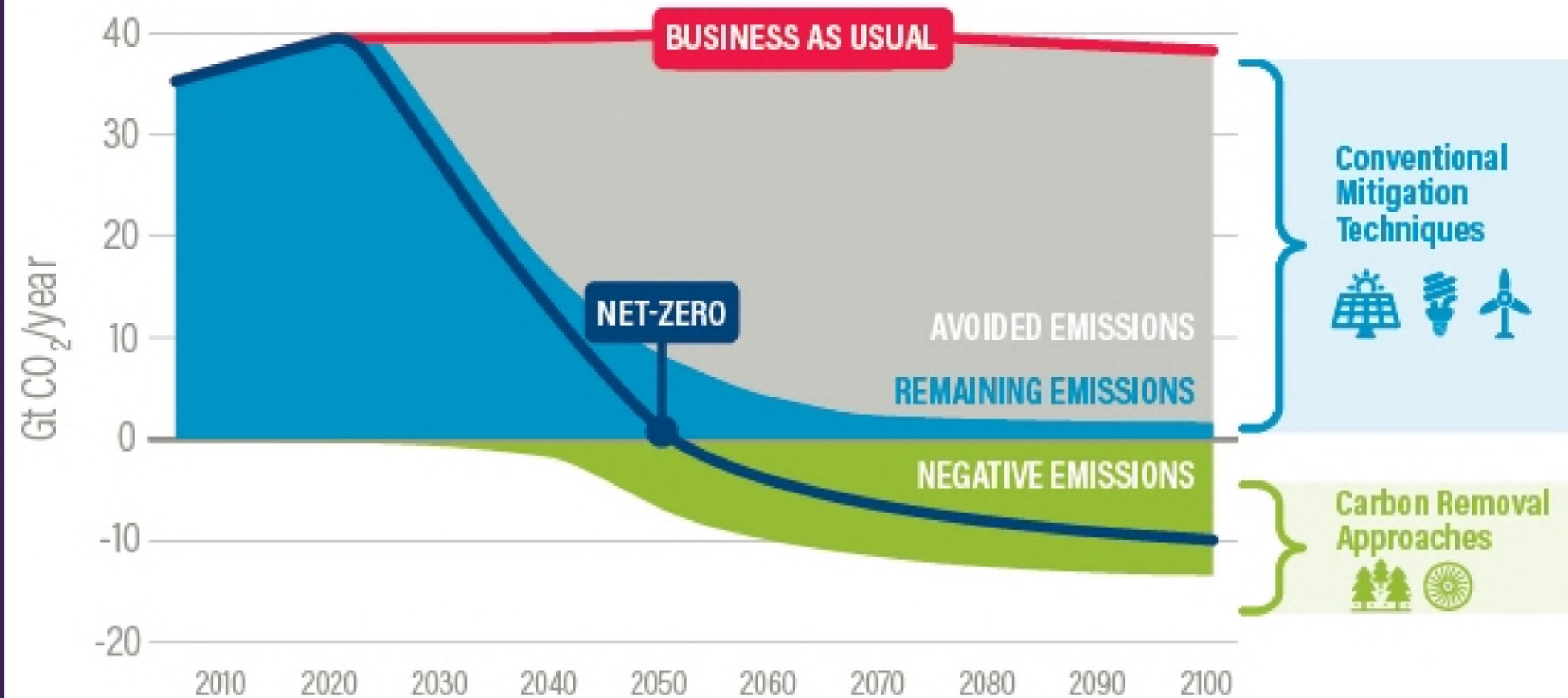
**"means cutting greenhouse gas emissions to as close to zero as possible, with any remaining emissions re-absorbed from the atmosphere, by oceans and forests for instance." - United Nations, Climate Action**





# WHAT IS NET ZERO

Staying Below 1.5 Degrees of Global Warming



Source: Adapted from IPCC 2018.

20.05.28



WORLD RESOURCES INSTITUTE

**Global warming should not be higher than 1.5 Celsius above pre-industrial levels for livable planet**



**Paris Agreement**

Emissions reduced by 45% by 2030 and reach net zero by 2050.



# EMISSION CATEGORIES

## Scope 1

- Directly controlled by company
- Emissions of owned assets
- Eg. burning fuel via vehicles

## Scope 2

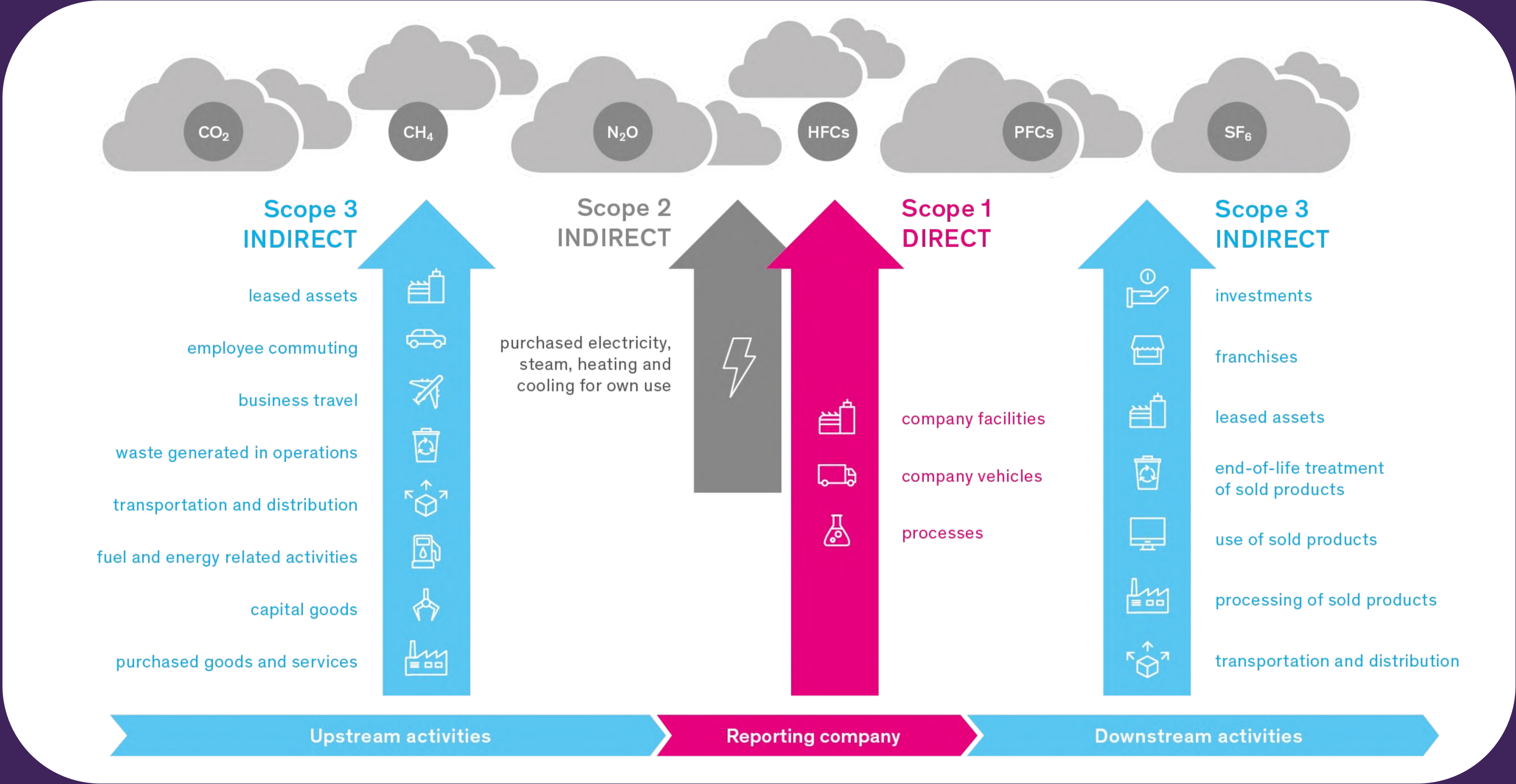
- Indirectly controlled by company
- Emissions from the purchased & used energy
- Eg. electric vehicles

## Scope 3

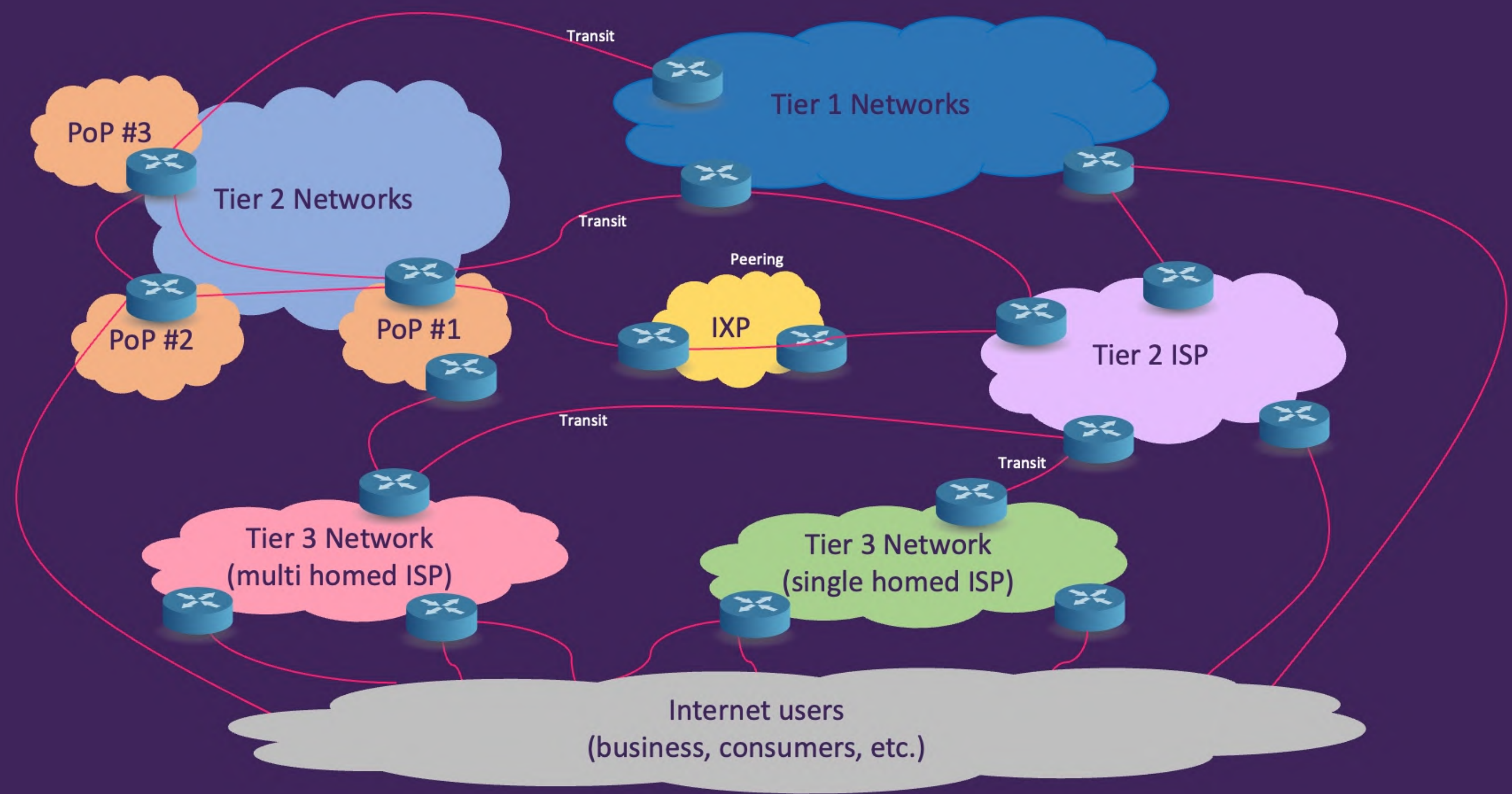
- Indirect responsibility
- Emissions from the value chain
- Eg. purchase and disposal of goods



# SCOPE OVERVIEW



# INTERCONNECTED INDUSTRY



## MARKET PLAYERS

CARRIER

ISP

HOSTING

DATACENTERS

ENTERPRISE

CDN



# ROAD TO NET ZERO



# ROAD TO NET ZERO





# CERTIFICATIONS

Certified



## B Corporation

Governance  
Workers  
Environment  
Community



## SME Climate Hub

Public Commitment  
Helpful resources  
Joining a community  
UN Race to Zero



## ISO Certificates

Additional recognition  
ISO 9001  
ISO 14001  
ISO 27001



## 1% for the Planet

Philanthropic activity  
Positive impact

# WAY TO NET ZERO

**MONITORING**

**REPORTING**

**REDUCTION  
TARGETS**

**VALIDATION**

**CERTIFICATION**



# VALIDATION



Identifying key players and stakeholders



Data collection of processes & industry benchmarks



Define clear, measurable and actionable KPIs



ESG reporting and disclosure platforms





# BENEFITS



Clear roadmap and strategy



Increased transparency for all stakeholders



Compliant with regulations & reporting standards



Being aware of ESG risks & costs





# WAY TO NET ZERO



# GUIDERAILS FOR THE ROAD AHEAD



## SET YOUR TARGET

- SBTi
- Carbon Neutral by...
- Net Zero by...



## MANAGEMENT

- Align management on the goals
- Discuss reporting areas and processes
- Conscious vendor choice



## COMMUNICATION

- Prepare team for acting on report results
- Transparent transformation
- Engagement across the whole business



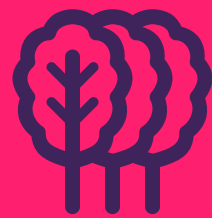


# WAY TO NET ZERO





# ESG REPORTING FRAMEWORK



## ENVIRONMENTAL

carbon emissions  
climate risks  
energy efficiency  
use of natural resources  
pollution and biodiversity



## SOCIAL

diversity, safety  
human capital  
labor regulations  
human rights  
community involvement



## GOVERNANCE

board diversity  
corruption and bribery  
business ethics  
compensation policies  
general risk tolerance



# CHOOSE YOUR ESG FRAMEWORK

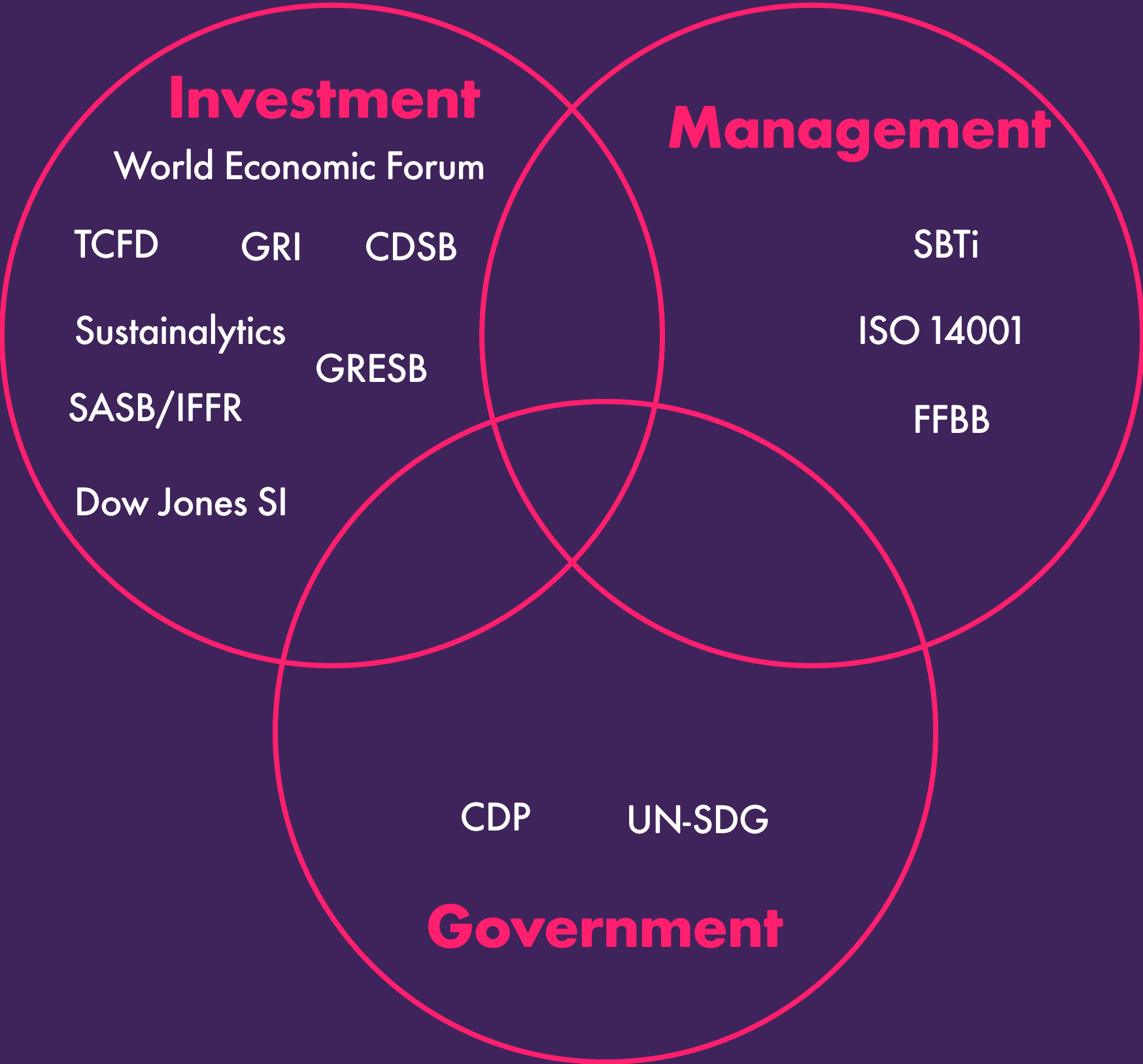
Industry

Geography



Company type

Stakeholders



# EFFECTIVE REPORTING



## Concise

Focus on priorities and material information



## Consistent

Assess performance over time and gain insights



## Current

Insights into operations and business opportunities



## Comparable

Benchmarking against peers and tracks impact and improvement

## Verifiable





# REPORTING

## INTERNAL

Internal Software

Sustainability Manager

## EXTERNAL

Consultancies

Partners



SCIENCE  
BASED  
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION



# WAY TO NET ZERO

**MONITORING**

**REPORTING**

**REDUCTION  
TARGETS**

**VALIDATION**

**CERTIFICATION**



# MONITORING

## Monitoring Software

Normative

.planetly

 ClimateSeed

 COZERO

 salesforce

planA



Automated solution



Easiest integration



Regular updates



Target setting

# CARBON MARKET

## MARKETPLACES

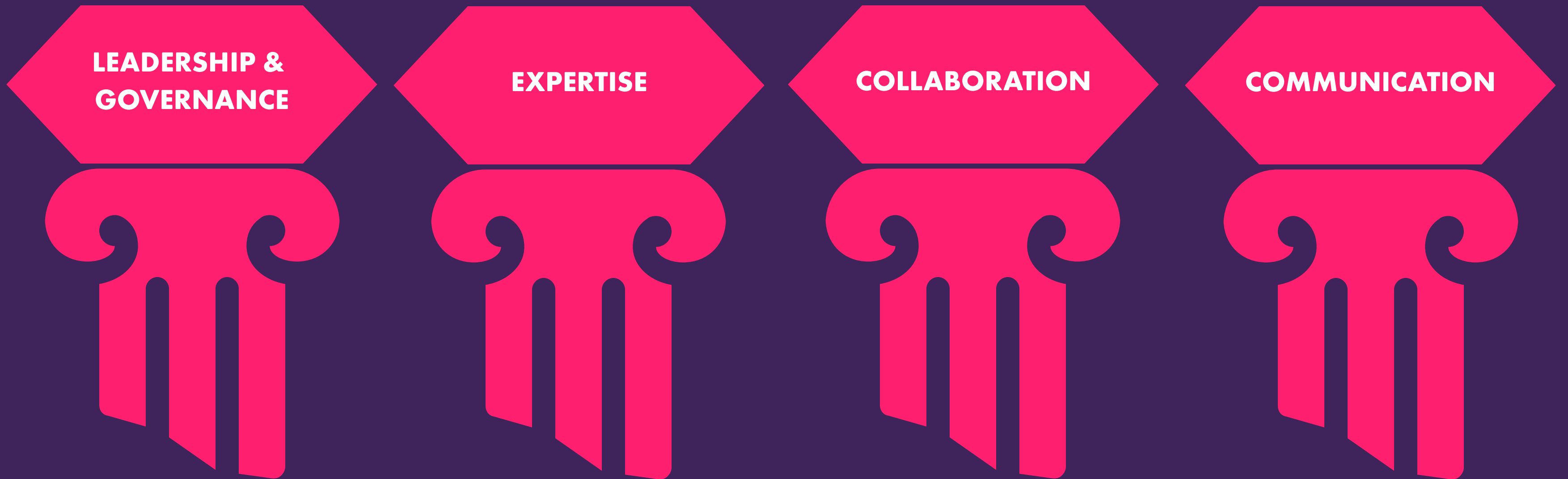


## OFFSET PROVIDERS





# MAIN PILLARS OF SUSTAINABLE STRATEGY



# OUTLOOK FOR INTER.LINK

2023

1st Sustainability Report

Supplier engagement

B Corporation Certificate

Calculate customer emissions

2024

Commitment to SBTi

Connect reporting to website

Industry-wide collaborations

2025

Become Net Zero





Inter.link, the leading, sustainable Global Network Service Provider. Thank you.

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