



Megatrends
that shape the next decade in
Petrochemicals

A dyslexic child with a fading future

Prof Henrik von Scheel is best known as the originator of the "4th Industrial Revolution" and *Digital theme* of today.

His work is applied to +24 national economies, influences GDP growth, trigger global themes, and has shaped the performance of the fastest-growing companies i.e, 23% of the Fortune 500.



Strategist

"Leading authority on strategy"

Financial Times

"One of the most pre-eminent strategists and advisor of his generation"

Eric Schmidt
Chairman of Alphabet

"The most influential management thinker of our times"

H.H. Sheikh Mohammed bin Rashid Al Maktoum
Ruler of Dubai

"Futurists of our century"

CNBC

Futurist

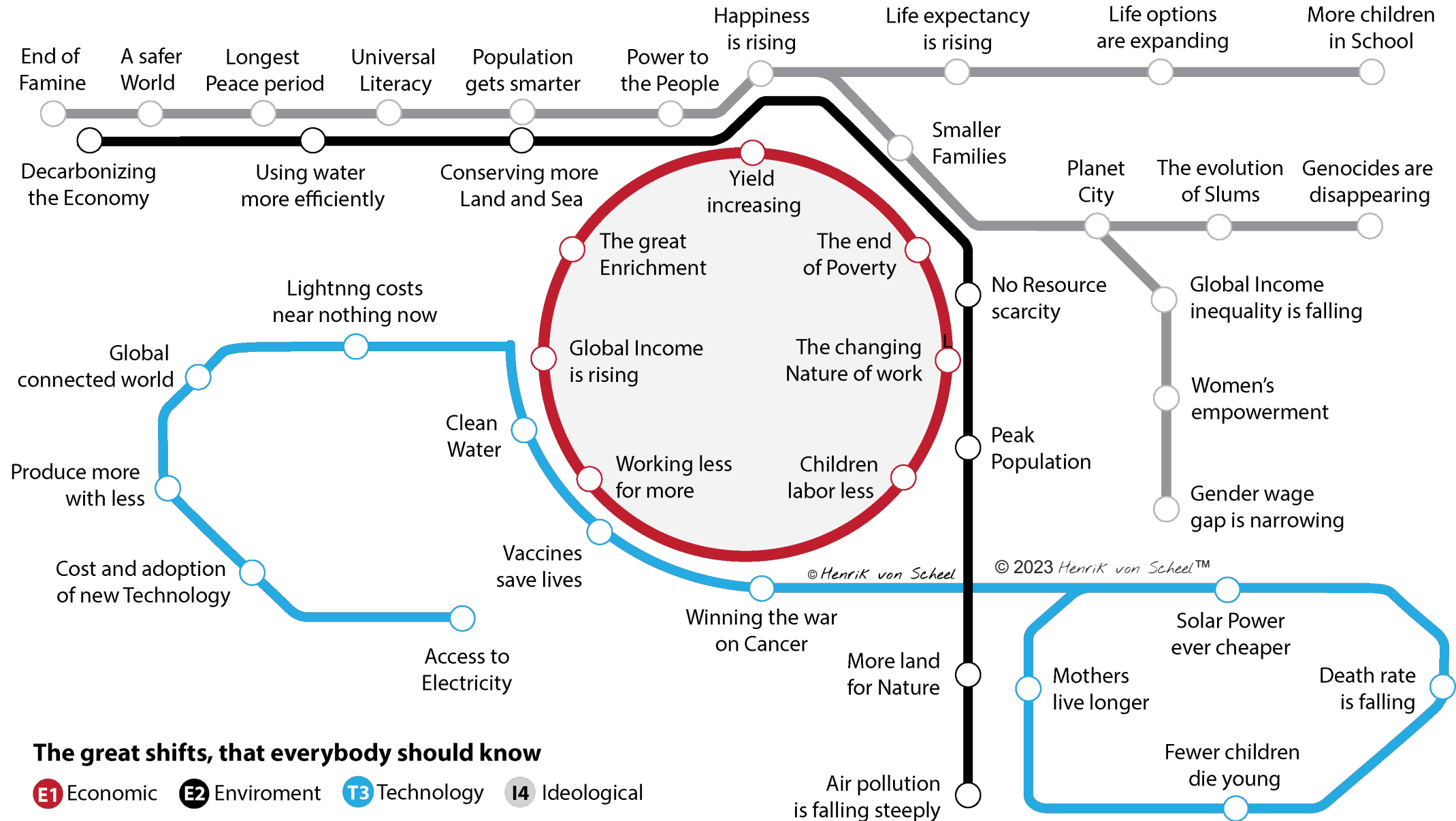
"The most influential management Guru"

Lifology
World's largest Career Guidance Program

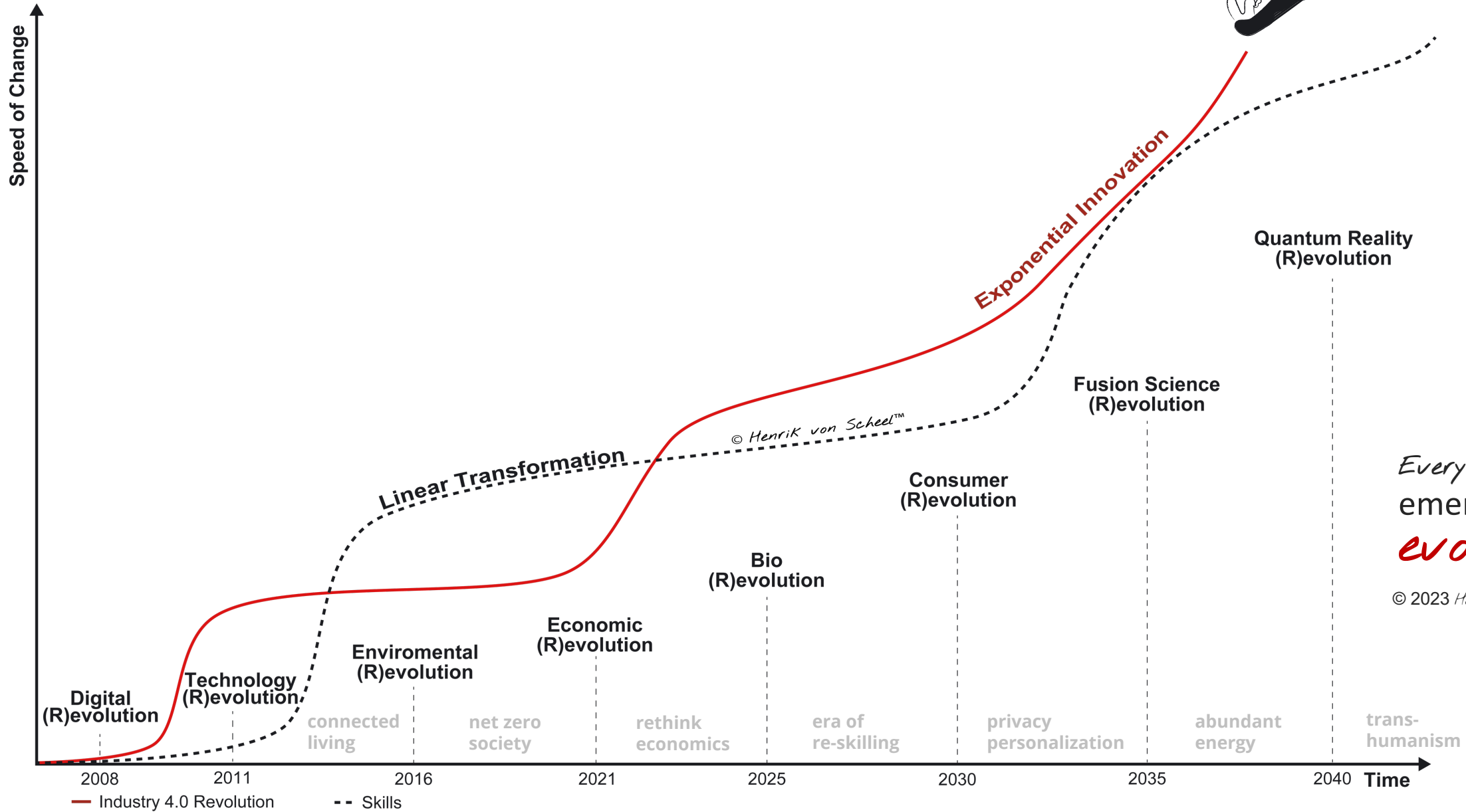
"He has influenced more executives and nations, than any other business thinker"

Sam Palmisano
CEO of IBM

The great shifts of the last 100 years, that every person should know



Compounding *Disruption* is the norm



Every revolution emerges as a *evolution*

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Megatrends

that shape the next decade of

Petrochemicals

01.

CONVERGENCE TECH

- Great Interconnectivity
- Era of Automation
- Engineering Advances
- Rethink Programming

02.

REGULATORY DISRUPTION

- Fit for 55
- Remake of Balance sheet
- Retirement Program
- Rethink Revenue models

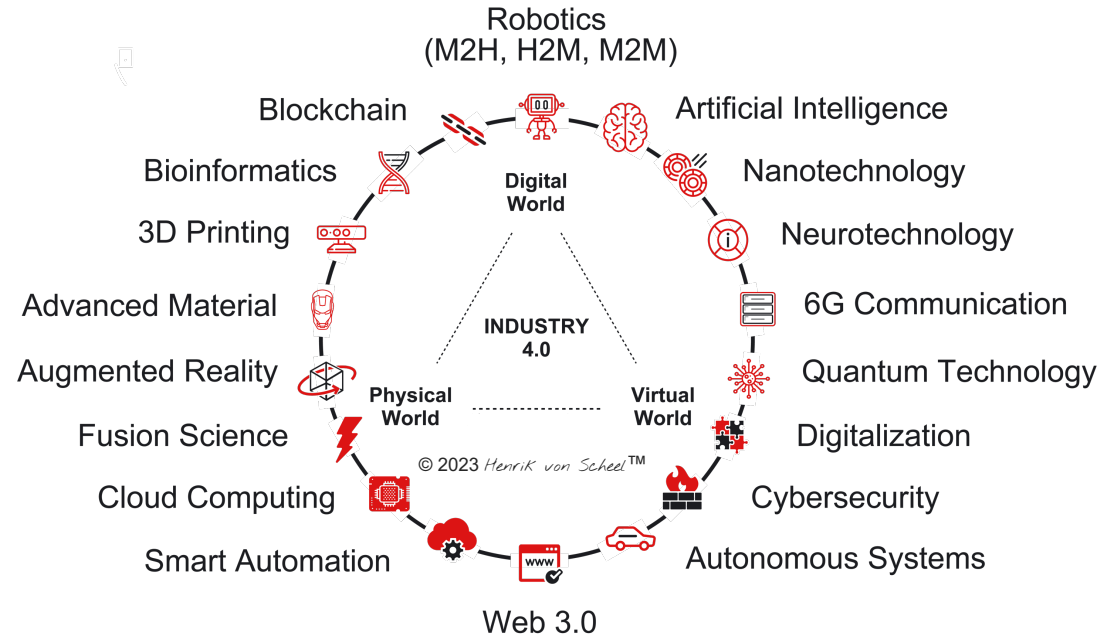
03.

BIO REVOLUTION

- Bio-Tech Food
- Smart Materials
- Bio-Machine
- Living Software

01.

CONVERGENCE TECH



1st wave 2009 - 2016

- Advanced Analytics
- Augmented Reality
- Cloud Computing
- Digitalization (IOT)
- Robotics
- 3D Printing

2nd wave 2016 - 2025

- Artificial Intelligence
- Autonomous Systems
- Blockchain
- Smart Automation
- 6G Communications
- Web 3.0

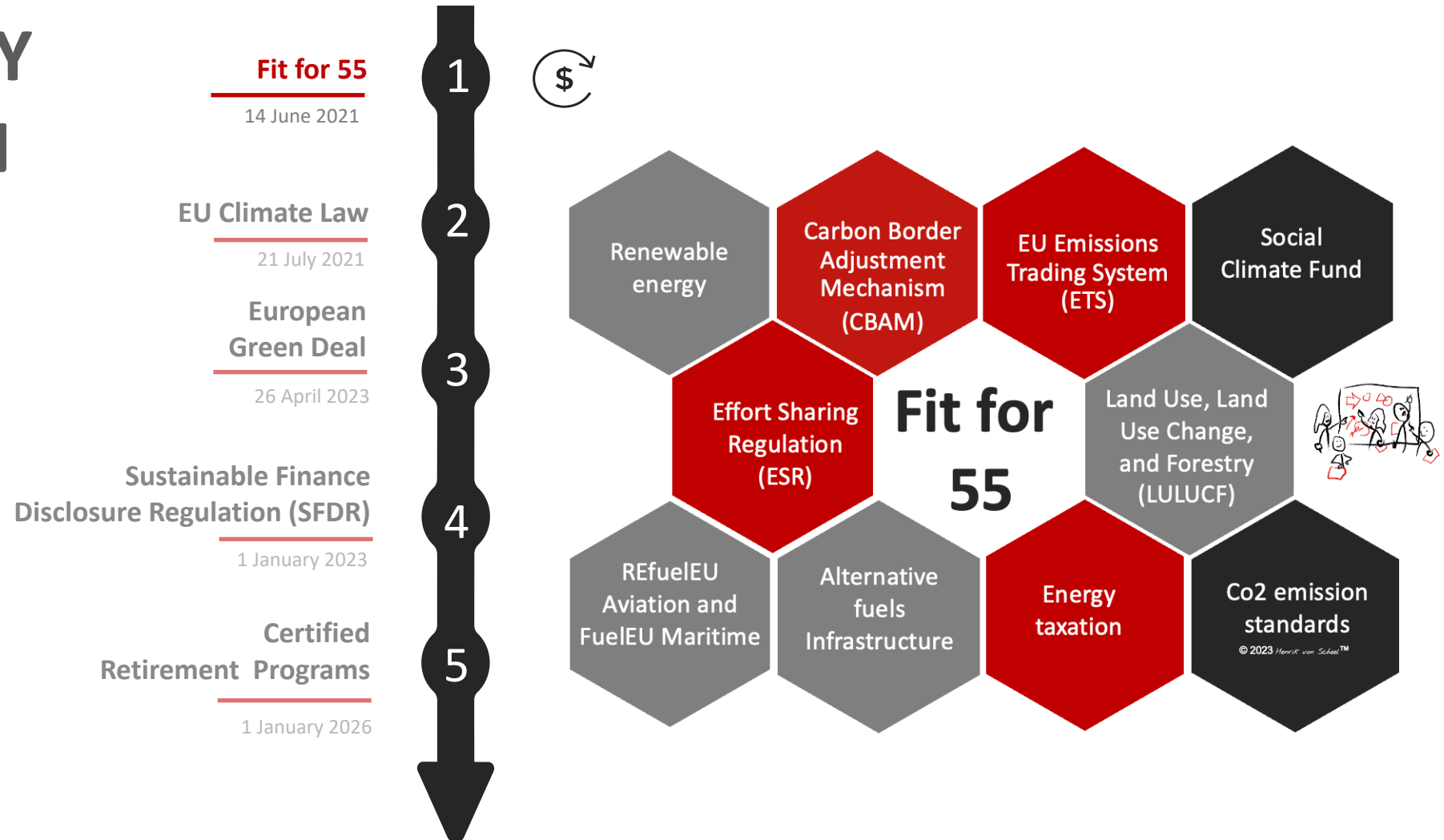
3rd wave 2025 ...

- Advanced Material
- Bioinformatics
- Cybersecurity
- Fusion Science
- Nanotechnology
- Neurotechnology
- Quantum Technology

02.

REGULATORY DISRUPTION

Regulatory Road Map

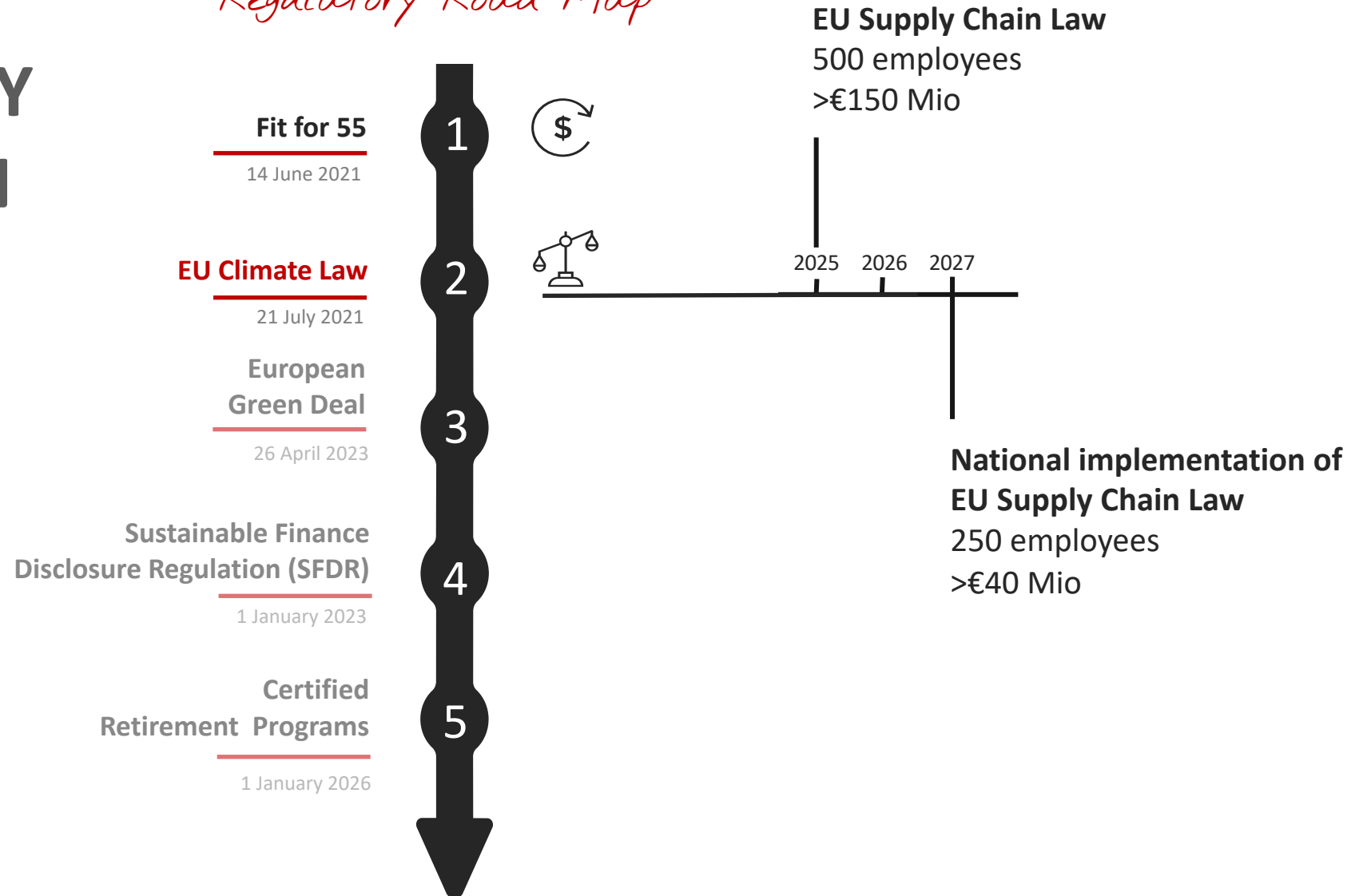


02.

REGULATORY DISRUPTION

1. Climate Neutrality by 2050
2. Interim Targets
3. Carbon Budgets
4. Governance & Reporting
5. Adaptation & Just Transition
6. Climate Law Enforcement

Regulatory Road Map

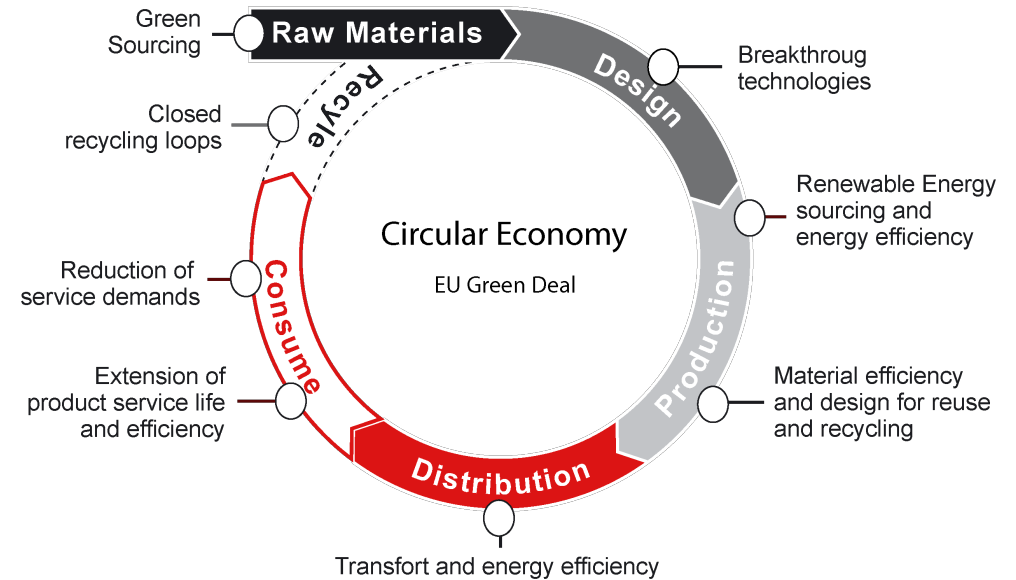


02.

REGULATORY DISRUPTION

1. Climate Neutrality
2. Clean Energy Transition
3. Circular Economy
4. Biodiversity
5. Farm to Fork Strategy
6. Sustainable Mobility
7. Renovation Wave
8. Just Transition Fund
9. Carbon Border Adjustment Mechanism

Regulatory Road Map

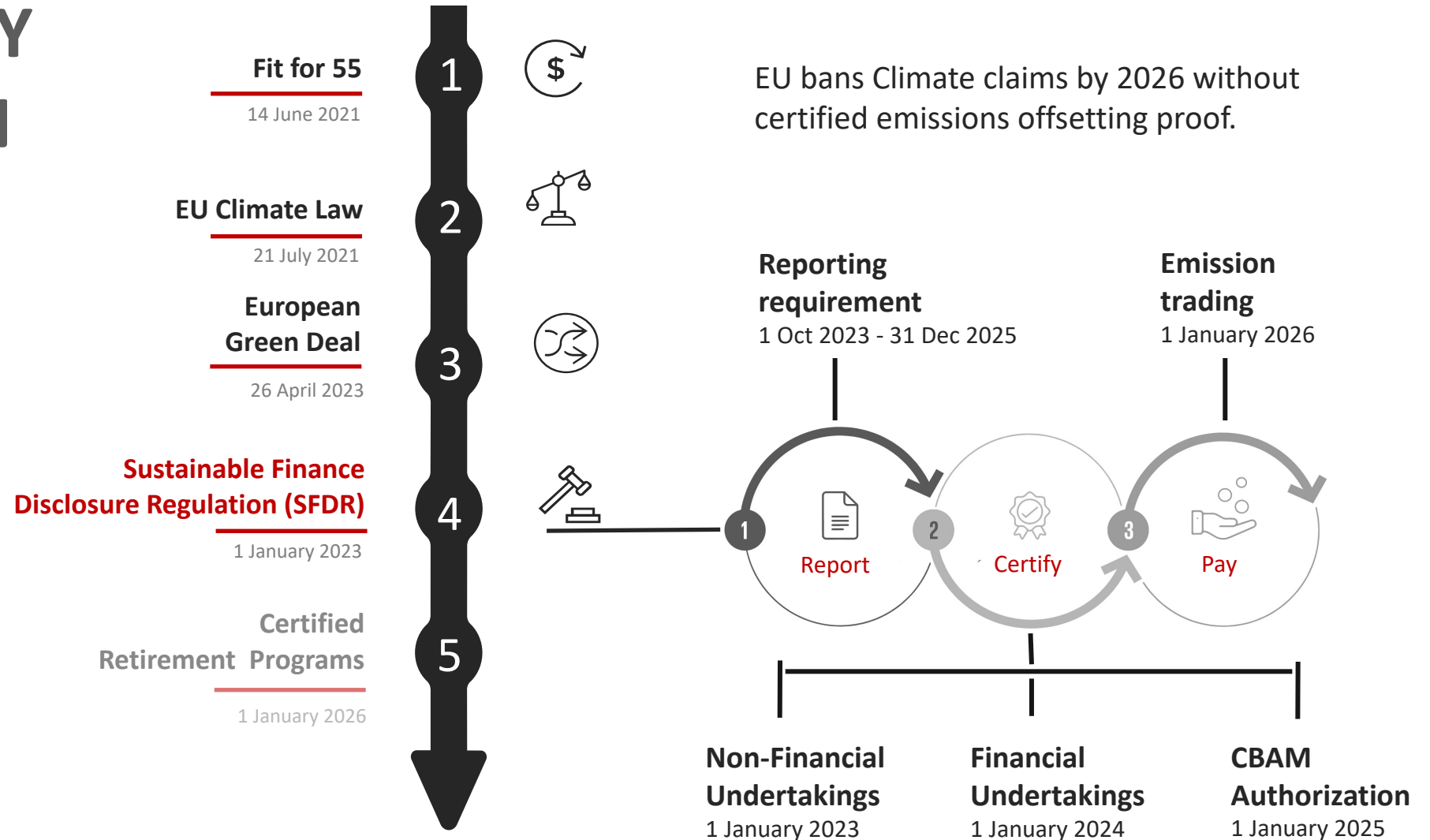


02.

REGULATORY DISRUPTION

1. Transparency Requirements
2. Principal Adverse Impact
3. Classified Investment Products
4. Reporting Obligations
5. Regulatory Framework
6. Impact on Investors

Regulatory Road Map



02.

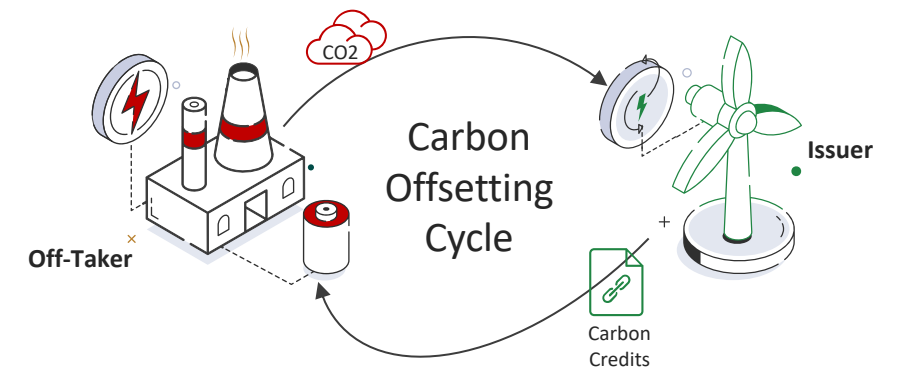
REGULATORY DISRUPTION

1. Emission Reporting
2. Reduction Targets: Scope 1-3
3. Carbon Offsetting
4. Compliance with Regulations
5. Transparency & Accountability
6. Independent Impact Proof

Regulatory Road Map



**MAKE CARBON OFFSETS
DISCOVERABLE, TRACEABLE,
AND TRADEABLE VIA CERTIFIED
RETIREMENT PROGRAMS**



03.

The Bio (R) evolution

Bio-Software

Gene /biochemistry
programmed

LIVING SOFTWARE

Bio-Computing

Data stored in
strands of DNA

BIO-MACHINE

Bio-Systems

Neuroprosthetics
interface for
motor control

BIO CYBER-PHYSICAL
SYSTEMS

Bio-Molecules

Gene therapy for
monogenic diseases

PROMISE OF CURE

Bio-Tech Food

Cultured meat
grown in a lab

FUTURE OF FOOD

Smart Materials

Biomaterials capable of
changing into a useful,
external stimuli

BIO FABRICATION

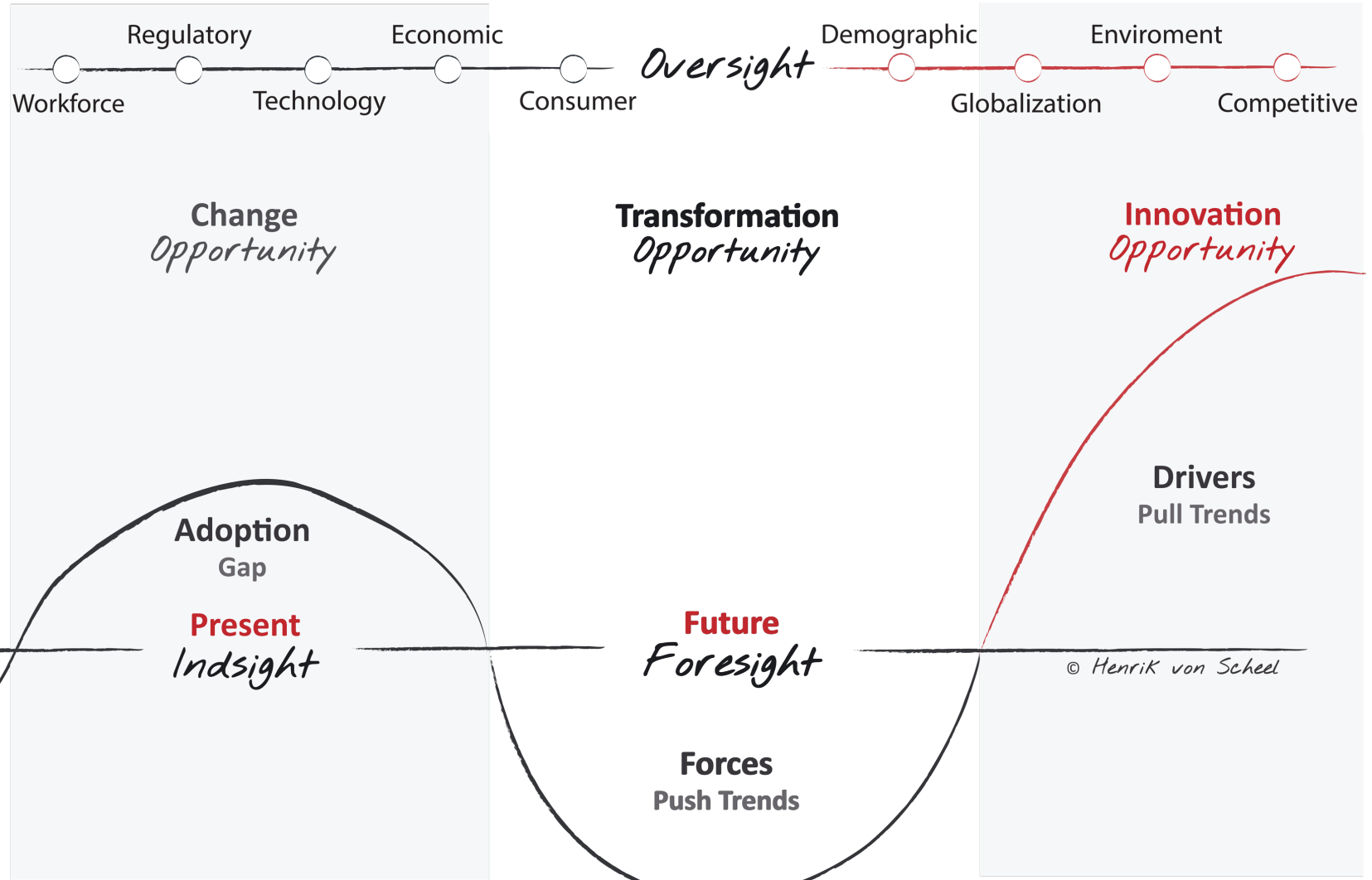
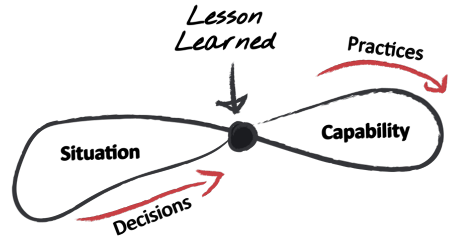
Bio-Interface

Interfaces that connect
to human experience
and reality

EXPERIENCE OF REALITY

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Anticipate change before it impacts



The Art of **Trend Spotting**

Past Hindsight
Recognize Patterns

Present Insight

Future Foresight

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Analytic Approach

Descriptive

Diagnostic

Predictive

Prescriptive

Bias Review

Cognitive



Nothing cuts through complexity like

Visual Thinking



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If you'd like to get in touch with me about speaking at your event or working with your organization. Let's question and rethink everything together.

Henrik@von-Scheel.com

Future of Intelligence - AI is the automation of Intelligence

