

# Transformational Change in Climate Action

Insights from the World Bank and GIZ

Thursday, 25 March 2021

# **Webinar Objectives**

Webinar participants will:

- Learn about recent transformational change frameworks and insights in climate finance;
- Begin to explore opportunities to develop guidance and experimentation on how to catalyze transformational change in climate finance; and
- Identify and discuss examples of climate finance programs that have made progress in considering transformational change.

# Webinar Speakers

### Jonathan Coony



### Daniel Kehrer



Senior Climate Finance Specialist and Global Lead for Green Competitiveness, World Bank Group Climate Change and Environmental Policy Planning Advisor, Deutsche Gesellschaft fur International Zusammenarbeit (GIZ)

# Webinar Agenda

- Welcome and Webinar Objectives
- Introduction to Transformational Change Work in Climate Finance
- A New Approach to Climate Finance: Key Insights from the World Bank on Transformative Climate Finance
- Moving from Issue to Action: Advancing Transformational Change at GIZ
- Participant Discussion and Panel Reflections
- Wrap Up and May Workshop Preview



# A few technical reminders...

- ••• The webinar is being recorded.
  - Mute your microphone while others are speaking.
- Raise your virtual hand to contribute to the conversation.
- Allow everyone the chance to speak and listen actively to understand others' views.
- O Chat directly to Shelby Thomas if you need technical assistance.

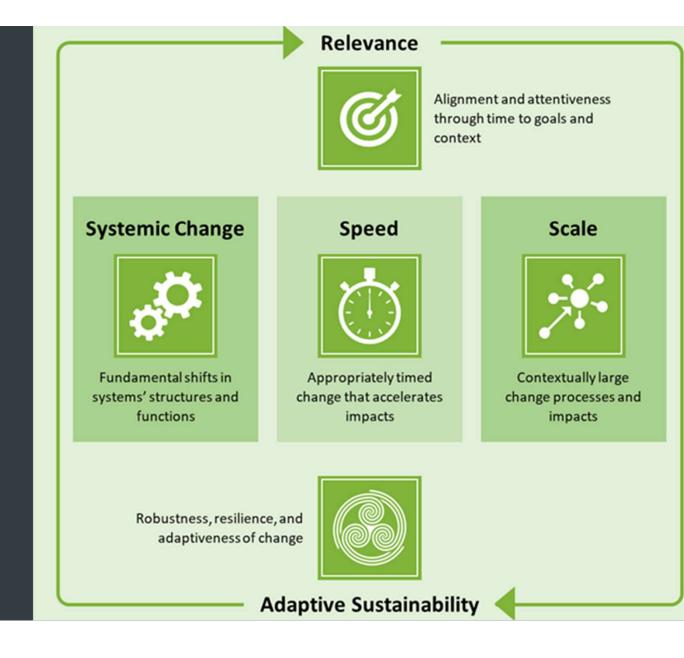
# **Transformational Change Work in Climate Finance**

Nacibe Chemor, TCLP Lead Facilitator

### TCLP Working Definition of Transformational Change in Climate Action

Fundamental change in systems relevant to climate action with large-scale positive impacts that shift and accelerate the trajectory of progress towards climate neutral, inclusive, resilient, and sustainable development pathways.

# TCLP Dimensions of Transformational Change in Climate Action



# A New Approach to Climate Finance

Insights from the World Bank on Transformative Climate Finance

Jonathan Coony, Senior Climate Finance Specialist and Global Lead for Green Competitiveness, World Bank

# Transformative Climate Finance

How International Climate Finance can Best Support Low Emission and Climate Resilient Development

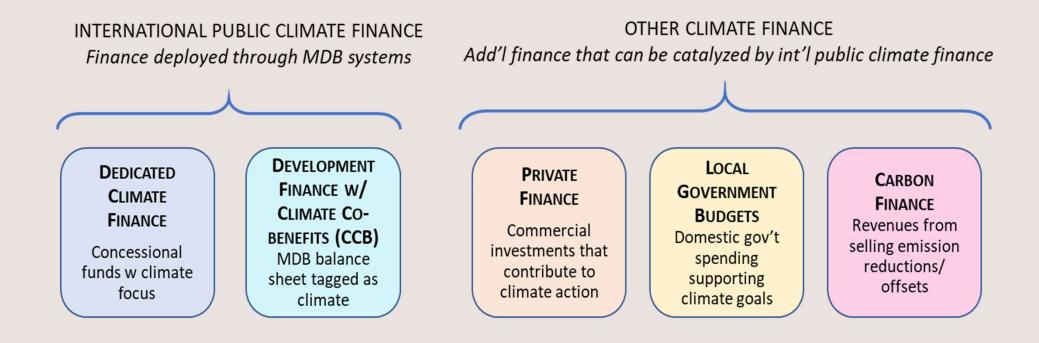
Transformational Change in Climate Finance: Insights from the World Bank and GIZ

March 2021

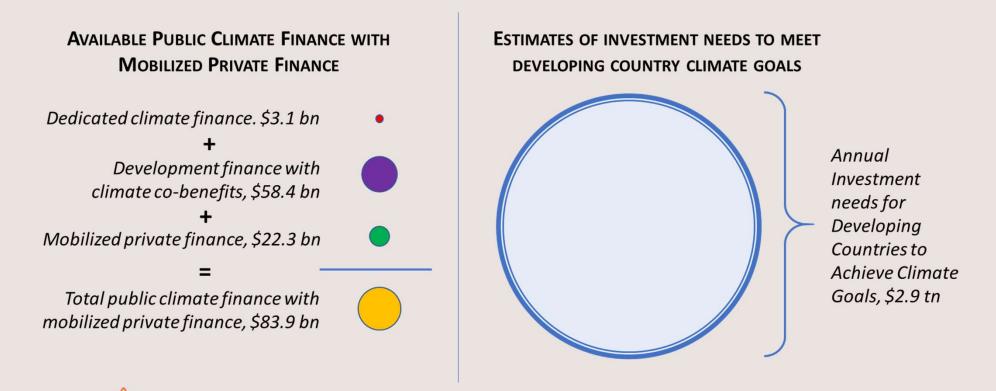


### What is Climate Finance?

#### <u>Definition</u>: Any funds used by developing countries to meet climate goals



### Public Climate Finance Falls Far Short of Investment Needs





Current public + mobilized climate finance levels meet < 3% of investment needs

- If All MDB operations were 100% Paris-aligned, would still only meet less than 7% of needs
- All MDB operations would need to be multiplied by nearly 15 to reach level of finance needed

### Climate Finance can be Particularly Transformative



1. <u>Private Finance Interest</u> – climate finance can catalyze increasing demands for climate-smart investments. More than 1/3 of AUM has some climate preference or mandate.



2. <u>Technological and Industrial Dynamism</u> – climate finance makes clean tech competitive with 'brown' alternatives to trigger follow-on commercial investment. Electricity cost from solar energy fell by 82% since 2010.

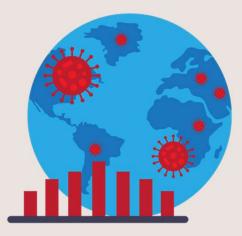


**3.** <u>**Green Growth Economic Benefits**</u> – greater efficiency, resilience to shocks, and increased investments from climate actions have important multiplier impacts across the economy.



**4.** <u>Novelty of Climate Actions</u> – all aspects of economies are designed for fossil fuels, incl regulations, industrial/financial capacity, etc. Initial changes pave the way for much easier follow-on actions.

### The COVID Context - Building Back Better



The fiscal stimuli to address COVID-19 and its economic consequences creates **historic opportunity to deploy climate public finance** to drive low-carbon, resilient development.

The resulting tightening of fiscal windows also creates a **necessity to catalyze additional private finance** for cleaner, more robust economies.

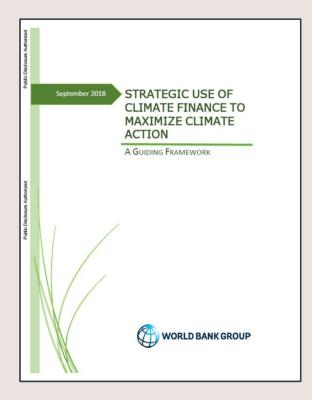
#### IFC Report: Ctrl-Alt-Delete: A Green Reboot for Emerging Markets

Supporting low-carbon investments through COVID-19 recovery funds into 10 sectors across 21 emerging markets has the potential to generate:

- \$10.2 trillion in investment opportunities
- 213 million cumulative jobs
- 4 billion tons CO2e reduction



### Recent reports blueprint transformative climate finance



https://openknowledge.worldbank.org/ handle/10986/30475



https://openknowledge.worldbank.org/ handle/10986/33917

### **Eight Sets of Climate Levers for Transformative Action**



#### 1. Project-Based Financing

Finance or project support to enable climate investments *e.g. wind plant, climate-resilient roads* 



#### 5. Trade Policy

Trade policies to encourage exchange of LCCR products e.g. carbon border tax adjustment, trade liberalization for LCCR products



#### 2. Financial Sector Reform

Financial sector regulations that catalyze green investment e.g. regulations for green bonds, climate risks in portfolio assessments



#### 6. Innovation and Tech Transfer

Development of new, more effective and cheaper green technologies e.g. demonstration plants, R&O, SME support, early/discounted financing



#### 3. Fiscal Policy

Setting taxes and adjusting spending priorities to support climate action e.g. green taxes, improved subsidy targeting, green procurement



#### **7. Carbon Markets** System to define and trade mitigation outcomes for cost efficient mitigation e.g. emission trading systems, baseline and crediting mechanisms



#### 8. Climate Intelligence and Data

Knowing and planning tools to support policy and investment decisions e.g. 2050 low-carbon resilience trajectories, NDC implementation plans



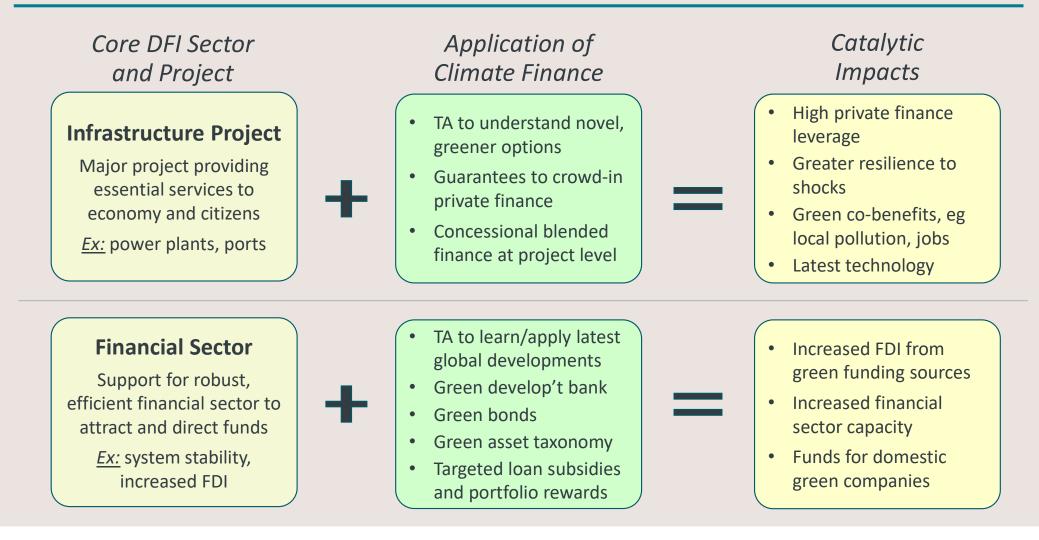
#### 4. Sector Priorities

Regulatory standards or information provision policies *e.g. energy efficiency standards, building codes* 

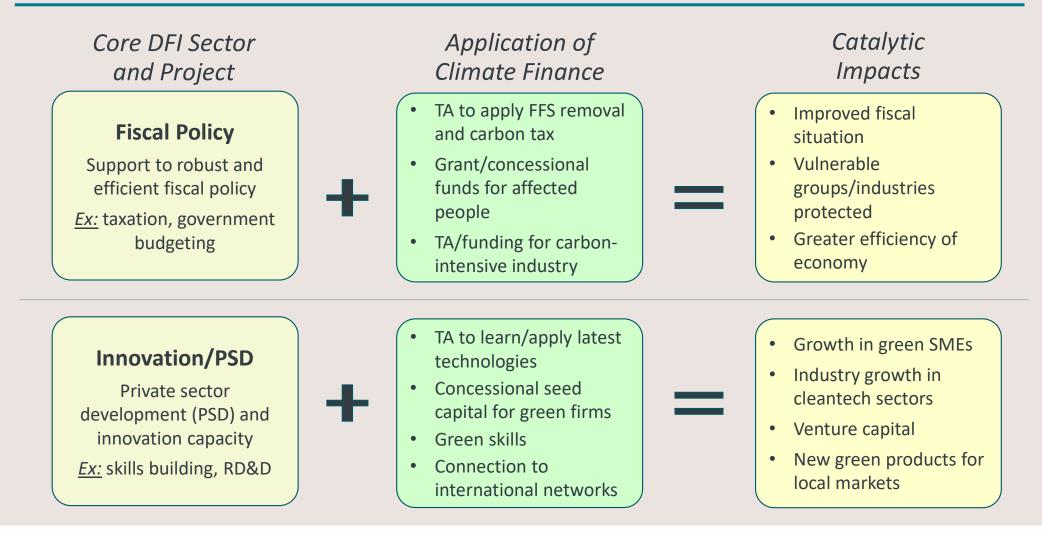
### High-level Findings for Transformation

1	Plan for the long term	<ul> <li>Align financing decisions with <i>long-term strategies</i> for low-carbon resilient development</li> <li>Avoid spending that prioritizes short-term goals inconsistent with long-term strategies</li> <li>Revise results-frameworks for long-term transformative impact indicators.</li> </ul>
2	Balance allocation among levers	<ul> <li>Complement project-based financing with <i>more finance to other levers</i> for systemic, often policy-based, changes</li> <li>Strive for a <i>coordinated approach</i> with multiple levers</li> </ul>
3	Use a range of financial instruments	<ul> <li>Expand use of instruments such as policy-based finance, results-based finance, equity finance, and guarantees</li> <li>Combine and coordinate different financial instruments based on needs of the lever(s)</li> </ul>
4	Leverage on a systemic basis	<ul> <li>Allocate public climate finance to <i>leverage the most additional funds</i> from other sources.</li> <li>Develop and apply methodology <i>to measure beyond project boundaries</i> to consider impacts across the economy.</li> </ul>

### Examples of transformative climate finance by sector



### Examples of transformative climate finance by sector (cont'd)



### **Climate Finance Diagnostics**

# Apply principles of Transformative Climate Finance to countries and sectors to maximize impact and financial leverage

#### 1. Map Required Climate and Development Steps

- Identify existing long-term climate strategies, incl country NDC
- Map actions to reach identified goals, including interim steps to long-term transformation
- Determine long-term goals
- Estimate financing required to undertake the climate actions

#### 2. Determine Levers to Catalyze Climate Finance

- Identify the levers which can most effectively catalyze additional finance
- Identify one or more goals or interim steps needed to realize the planned longterm decarbonization
- Determine the actions to catalyze additional financing
- Identify the international support – financial and technical – needed for those reforms

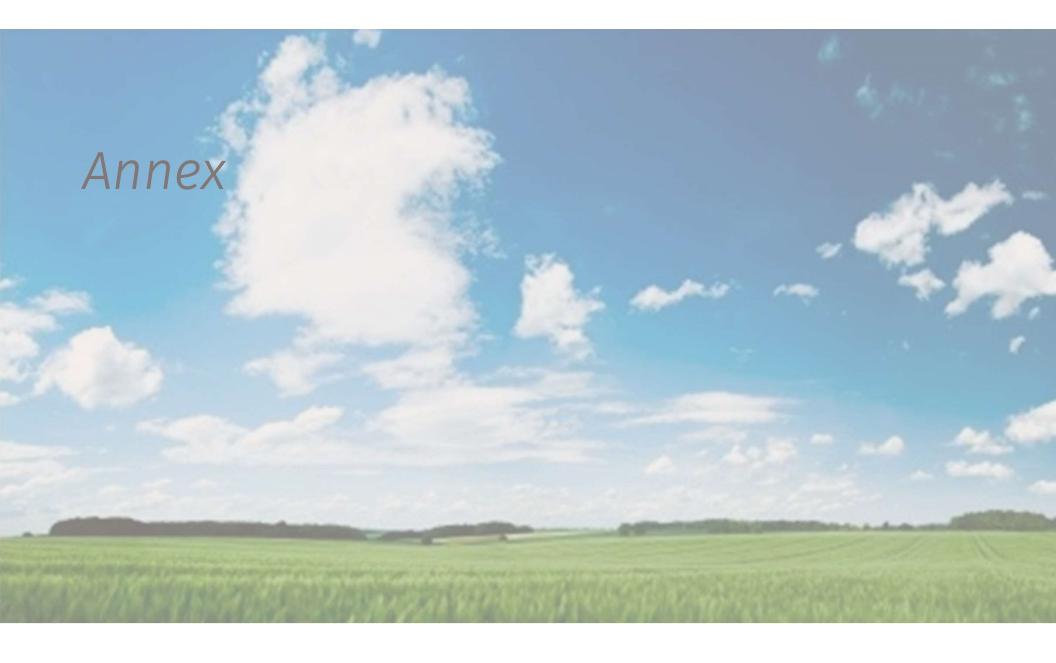
#### 3. Comprehensive Climate Finance Plan

- Summarize and categorize the support – financial and technical – needed from international sources to undertake priority actions
- Aggregate cumulative impact of support for combined leveraging effect to catalyze finance to achieve climate goals with minimal fiscal burden
- Identify international climate finance sources

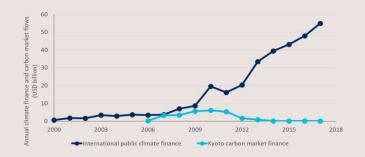
# Thank you

### Jonathan Coony, jcoony@worldbank.org

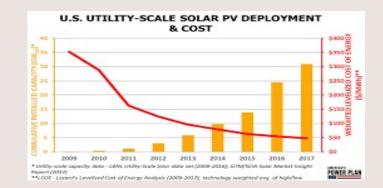
www.twitter.com/jonathancoony



### **Changed Landscape for Climate Finance**



Two Decades of Progress (and Lessons)



#### **Dynamic Technology Improvement**



Economic and Financial Benefits of Clean Development



COVID-19 Economic Recovery

### **Overview of Climate Levers**



#### **Project-Based Financing**

#### **Main Interventions**

- Invest in projects
- Blended finance
- Manage risks and returns to enable
   private finance opportunities

#### **Barriers to Action**

- · Capital constraints
- Limited capacity to deliver effectively

#### **Key Climate Finance Instruments**

- Investment financing for de-risking and crowding in other funding
- Technical assistance for enabling investment



#### **Financial Sector Reform**

#### **Main Interventions**

- Report and manage of climate risk
- Regulate green assets
- Deploy incentives for green investment

#### **Barriers to Action**

- Public finance and capital constraints
- Limited institutional and technical capacity
- Perceived conflict w/ development

#### **Key Climate Finance Instruments**

- Technical assistance for improving governance, capacity and expertise
- Investment financing for catalyzing green investment support



#### **Main Interventions**

- Implement carbon taxes
- Reform subsidies and taxes to incentivize climate action
- Adjust government procurement
- Climate impacts in fiscal planning

#### **Barriers to Action**

- Concerns on reducing international competitiveness and distributional consequences
- · Capital constraints

#### **Key Climate Finance Instruments**

- · Policy-based financing
- Technical assistance for addressing knowledge and capacity gaps

### **Overview of Climate Levers**



#### Main Interventions

- Implement regulations conducive to LCCR alternatives
- · Enforce of green technology standards

#### **Barriers to Action**

- · Information gaps on policies
- Limited resources and institutional capacity to enforce regulation
- Concerns on reducing international competitiveness

#### **Key Climate Finance Instruments**

- Policy-based financing to create incentives
- Technical assistance for knowledge sharing on policy development



#### **Trade Policy**

#### **Main Interventions**

- Consider trade liberalization
- Apply border carbon adjustments
- Co-ordinate through climate clubs

#### **Barriers to Action**

- Tariff revenue reduction
- Insufficient infrastructure
- Technical and political challenges to policy design

#### **Key Climate Finance Instruments**

- Trade finance for LCCR goods and services
- Technical assistance for developing climate-friendly trade policy

#### **Innovation and Tech Transfer**

#### **Main Interventions**

- Public funding for basic research
- · Implement R&D tax credits
- Technology transfer policy
- · Intellectual property rights
- Green procurement

#### **Barriers to Action**

- · Limited resources
- · Uncertain payoffs
- Limited capacity to develop broader innovation ecosystem

#### **Key Climate Finance Instruments**

- Investment financing for high-risk
  innovation
- Technical assistance for early-stage innovation

### **Overview of Climate Levers**



#### **Main Interventions**

- Establish domestic carbon markets
- Link markets internationally

#### **Barriers to Action**

- Concerns on reducing international competitiveness and distributional consequences
- Uncertainty on carbon prices
- Limited capacity and knowledge

#### **Key Climate Finance Instruments**

- Results-based financing for supporting market development
- Technical assistance for establishing and linking markets



#### **Climate Intelligence and Data**

#### **Main Interventions**

- Long-term planning tools
- Provide policy risk information
- Disaster risk management tools
- Localized climate impacts and opportunities data

#### **Barriers to Action**

- Challenges to collect data and develop intelligence
- · Limited confidence in accuracy
- Uncertain policy response

#### Key Climate Finance Instruments

 Technical assistance for building capacity in measuring and using climate data

### Methodology to Assess Transformative Impact of Levers

# How does it work?

How the lever can drive and scale widespread climate transformation?

- Steps government can take
- Direct impacts
- Potential for transformation

#### **Barriers**

### What barriers impede these interventions

- Lack of capital
- Lack of knowledge
- Public and private capacity constraints
- Political economy pushback:
  - Industrial competitiveness
  - Social consequences
  - Losing incumbent sectors

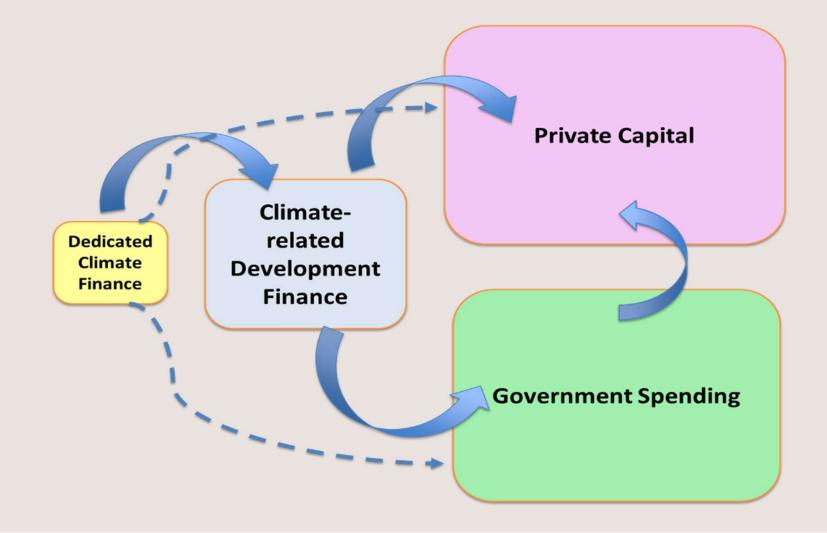
#### Climate Finance Deployment

How climate finance can address barriers and motivate interventions

- Investment financing:
  - o Debt and equity
  - o Guarantees
  - Intermediated financing
- Policy-based financing
- Results-based financing
- Trade finance
- Technical assistance

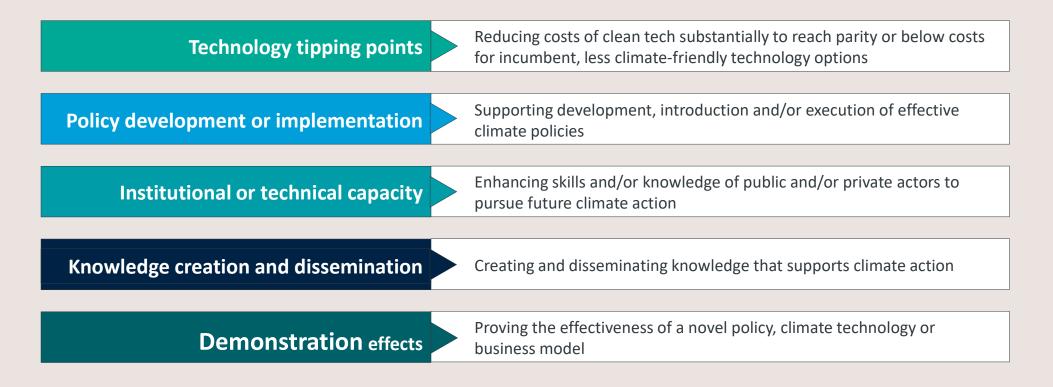
#### Conclusions

How can climate finance be used most effectively to best address barriers to transformative action?



### How Climate Finance Achieves Transformation

Transformation occurs when spillover effects beyond the boundaries of the original project induce follow-on action—with catalyzed financing—even after the public finance is exhausted.



## **Moving from Issue to Action** Advancing Transformational Change at GIZ

Daniel Kehrer, Climate Change and Environmental Policy Planning Advisor, GIZ

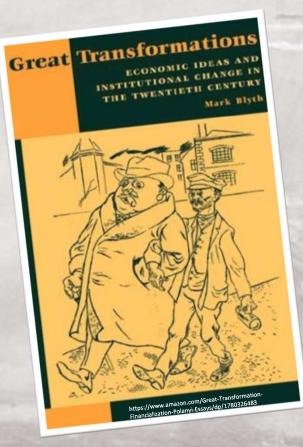








# Inadvertant





# sur les Change UNITED NATIONS Deliberate

TRANSFORMING OUR WORLD:



THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT

"We are determined to take the **bold and** *transformative steps* which are urgently needed to shift the world onto a sustainable and resilient path." 2030 Agenda

"We need to get from international agreements to deep and complete transformation of societies. (...) Individuals have an incredibly important role to play..."

COP21/CM

Paris, Fr

Patricia Espinosa, Executive Secretary of the UNFCCC, Aug. 2017, Bonn

Picture: https://sustainabledevelopment.un.org/post2015/transformingourworld/publicatio

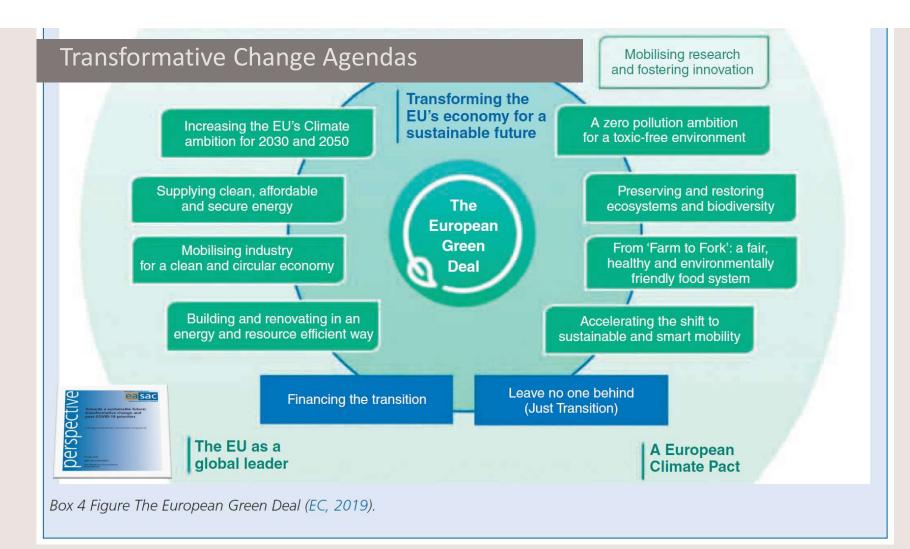
#### Transformation text search @international agendas

#### 1. 2030 Agenda (2015)

- a. ...bold and transformative steps which are urgently needed to shift the world onto a sustainable and resilient path (...)
- **b.** ...our world will be **transformed** for the better (...)
- c. ...set of universal and transformative Goals and targets (...)
- d. ...supremely ambitious and **transformational vision**. We envisage a world free of poverty, hunger, disease and want, where all life can thrive (...)
- *e.* We will strengthen the productive capacities of least-developed countries in all sectors, including through *structural transformation* (...)

#### 2. Paris Agreement (2015)

- a. None for ,transform' but for ,transition':
- **b**. Taking into account the imperatives of a **just transition** of the workforce and the creation of decent work and quality jobs...
- **3.** Addis Ababa Action Agenda of the Third International Conference on Financing for Development (2015):
  - a. ...special challenges and needs of landlocked developing countries in **structurally transforming** their economies (...)
  - b. ...positive socioeconomic transformation in Africa (...)
  - **c.** We encourage both international and domestic development banks to promote finance for micro, small and medium-sized enterprises, including in **industrial transformation**...
- 4. Sendai Framework for Disaster Risk Reduction 2015–2030 (2015)
  - a. None
- 5. SIDS Accelerated Modalities of Action [S.A.M.O.A.] Pathway (2014)
  - a. ...**transformational and innovative** activities in such areas as access to affordable modern energy services, renewable energy, energy-efficient technologies and low carbon development, in the context of sustainable development



From: European Academics Science Advisory Council 2020: Towards a sustainable future: transformative change and post-COVID-19 priorities. A Perspective by EASAC's Environment Programme. EASAC Secretariat, German National Academy of Sciences Leopoldina.

# Many definitions & perspectives

"Structural transformation is defined as the transition of an economy from low productivity and labour-intensive economic activities to higher productivity and skill intensive activities. The driving force behind structural transformation is the change of productivity in the modern sector, which is dominated by manufacturing and services.

It is also characterized by the movement of the workforce from labour-intensive activities to skill-intensive ones." UN-HABITAT

Transformative change (...) involves changes in all three dimensions of the 2030 Agenda for Sustainable Development: economic, environmental and social. It requires changes in economic structures to promote employment-intensive growth patterns that ensure macroeconomic stability and policy space. In order to make this economic change environmentally sustainable, profound changes are required in production and consumption patterns and energy use through legislation, regulation and public policies. (...) It also means changing norms and institutions, both formal and informal, that shape the behaviour of people and organizations in the social, economic, environmental and political spheres. Transformative change understood in this way is a long-term process (...) and a reversal of the hierarchies of norms and values that subordinate social and environmental goals to economic objectives.

...transformative changes in the dominant social norms, behaviours, governance and management regimes (...) social-ecological transformations (SETs), which are described as 'untried beginnings from which to evolve a fundamentally new way of living

etc.

Pereira, L., Karpouzoglou, T., Doshi, S., & Frantzeskaki, N. (2015). Organising a safe space for navigating socialecological transformations to sustainability. International Journal of Environmental Research and Public

#### "4 Drivers of Change:

- Technology change: This refers to processes that drive research and development, Agents of change: This pertains to entrepreneurs, the private sector and markets,
- as well as coalitions and networks as agents of transformational change. Incentives for change: This refers to economic and non-economic incentives along
- with disincentives, which play a critical role in shifting technology and societal
- Norms and behavioural change: This includes processes that influence awareness and 3 behaviour of people to drive a long-lasting change in societal norms and ICAD. (2017). Transformational Change Guidance - First Draft.

UNRISD

#### 5 2030 Agenda principles and 7 TransformAbilities



Figure 20: The 2030 Agenda and transformative change

Own graphic. In order to reach the goals of the 2030 Agenda, all forms of change are relevant. The agenda itself builds on 5 overall development principles that have been framed in this way by BMZ and GIZ. The transformAbilties are design principles especially important for the parts of the agenda referring to transformative change. Except paradigmShiftability, they are relevant for other forms of change too (compare Figure 19).





#### Desktop Analysis



Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

# INTERNATIONAL





**NAMA** Facility



## TransformAbilities+

Mandatory (bl	ue) criteria are those which are indispensable for defining or bringing about a transformation.
System transformation (transformative relevance)	This distinguishes transformation from other types of change (incremental change and re- forms) and as such serves as a measure of the relevance in this context. Aspects of this may be paradigm change, (socio-technical) regime change, or a fundamentally new overall narrative.
Scaling (transformative ambition)	Vertical and horizontal scaling of the disruptive innovation across all levels and sectors of society, up to it becoming mainstream and the dominant paradigm. Without this, the disruptive innovation would remain in a niche and would not replace, or only partly replace, the prevailing system.
Sustainability & resilience (transformative ambition)	Sustainability of the new system over time, closely tying in with the declining resilience of the old system and increasing resilience of the new one. Without this, there is a danger the new system will return to a niche status. Path dependencies of the old and new system are also included here.

	Essential (green) criteria are a range of criteria/ abilities need to help influence and if possible accelerate transformations.						
Transform- Abilities+	ComplexAbility	The ability to deal with, influence and help shape 'super complex' systems. The transform tions in this context are generally at the highest levels of complexity, because the aim is to change entire social systems. Characteristics of complex systems include emergent, m linear and sometimes abrupt developments which are hard to predict. This demands tran formative interventions, flexibility and adaptability in particular (adaptive management).					
	Capacity to facilitate	The ability to navigate transformative processes in highly complex environments. This includes permanent professional and locally recognised support for shaping the process and for facilitation, along with resources such as sufficient time, money, suitable locations and methods.					
	Multidimension- Ability	The ability to address various social levels such as science, civil society, business and politics, in order to advance transformation across the whole of society. This requires particular facilitation (see boundary workers), resources (boundary objects) and forms of organisation (boundary organisations)					
	Social- ChangeAbility	The ability to shape social change to allow transformative innovations to become a new mainstream and establish new values, norms and behaviours. This in turn increases the probability that other dimensions, such as politics, economy and technology, will also adapt and that the new system will become more resilient to changes such as political change.					
	Reciprocity	Enabling reciprocity as a key characteristic which bolsters both acceptance and resilient complex systems. It is in the nature of complex systems that they cannot be controlled through a one-sided top down approach, but rely on a high degree of self-organisation and self-regulation in order to evolve. A new system can therefore be at risk if, for example, it is prescribed and/or controlled from the top down.					
	Social justice	The ability to promote social justice (cf. LNOB). Transformational change is the most rad- ical/disruptive form of change and thus also runs the greatest risk of producing losers, those who have fewer opportunities in the new system. Conversely, actors may perceive themselves as losers in the current system (cf. intergenerational justice) and therefore set their sights on a transformation.					

		ve project design, a and indicators								
No.	Quality criteria Indicator		Design / Field of transformation Qualitative/Q uantitative Verifiability Urifiability Urifiabili							
1	i	Go directly to essential	i				in the country / countries	in the project	by others	What is still needed?
2	mandatory 1	essential () criteria					a i		<u>-</u>	<b>v</b>
	Transformative change (transformative relevance)		This criterion distinguishes transformation from other types of change (incremental change and reforms) and as such serves as a measure of the <b>relevance</b> of transformative interventions. Aspects of this may be paradigm shift, (socio-technical) regime change, or a fundamentally new overall narrative.							
4	Transformative change	Which system and/or paradigm, socio-technical regime, narrative etc. is to be transformed, e.g. through the intervention and other means, into which fundamentally different system?	Design	Generic / Cross-cutting	Qualitative	Plausible description, classification in existing descriptions of transformations				
5	Transformative change	Distinguishing characteristicsTo what extent does the desired transformation differ from incremental changes (more of the same) or reforms (adaptation of a system), i.e. to what extent does it fundamentally question a system and offer a new one?	Design	Generic / Cross-cutting	Qualitative	Plausible description				
6	Transformative change	System neutrality: If the above points apply only in part or not at all: To what extent is this intervention - at the least - not detrimental to possible future transformative changes (e.g. no investment in institutions, laws, training and qualifications, technologies or infrastructure that ultimately reinforce path dependencies of the carbon-based society?)	Design	Generic / Cross-cutting	Qualitative	Plausible description				
7	Scaling (transformative ambition)		Vertical and horizontal scaling of the disruptive innovation across all levels and spheres of society, up to it becoming mainstream and the dominant paradigm. Without this, the disruptive innovation would remain in a niche and would not replace, or only partly replace, the prevailing system. As such, this criterion is an indicator for the ambition of the intervention(s)							
8	Scaling (scope)	What scope or system levels being addressed (single technology, law, social norm etc small transformation), whole sectors (medium transformation), social spheres (large transformation) or the entire society (great transformation)?	Design	Generic / Cross-cutting	Qualitative	Plausible classification				
9	Scaling (scope)	Small transformation: Single technology, law, social norm etc.	Design	Generic / Cross-cutting	Qualitative	E.g. "Single technology XY (small transformation)"				
		Medium transformation:								

sche Gesellschaft nternationale Immenarbeit (GIZ) GmbH

#### Commissioned by

the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) Division IK I 3, Financing International Climate Action and Environmental Protection, Multilateral Development Banks

#### Published by

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

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#### **Review and editing** Sarah Zügel, BMU

Design/layout

DIAMOND media GmbH, Neunkirchen-Seelenscheid

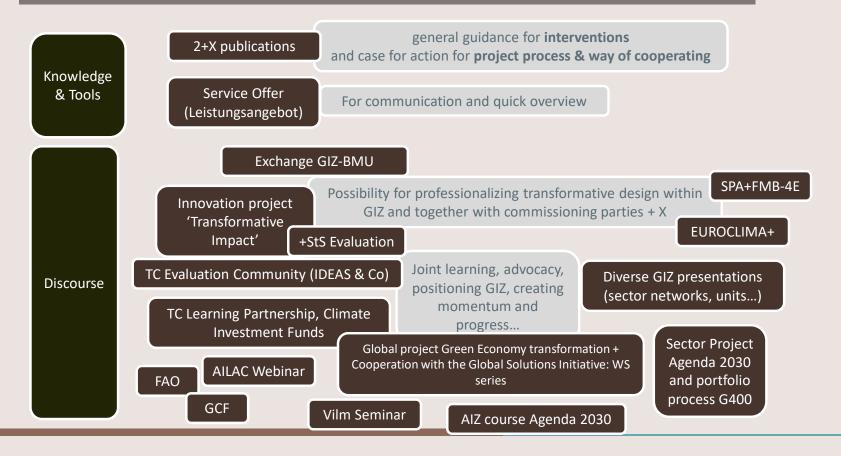
#### Responsibility

GIZ is responsible for the content of this publication. The views expressed in this paper are purely those of the author and may not in any circumstances be regarded as reflecting an official position of the BMU or GIZ.

Eschborn, November 2020



#### What happens in and around GIZ?











https://circulartayside.co.uk/wp-content/uploads/2018/06/Linear-economy-image-adj.png



### Why Transformation?



Free markets, Free trade, and the freedom to <u>think.</u>



https://theclassicalyankee.files.wordpress.com/2017/06/cropped-neoliberalbanner11.png



# Why Transformation?





https://www.psychologicalscience.org/news/releases/high-wealth-inequality-linkedwith-greater-support-for-populist-leaders.html

#### Why Transformation?

Crisis > System Limits

Learning

> Wicked Problem Solving

# Recovery

> Momentum for Transformation

https://www.muensterschezeitung.de/Lokales/Staedte/Muenster/4158362-Coronavirus Krisenstab-stimmt-sich-Montag-ab

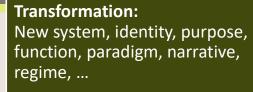
#### Incremental change, reforms vs. transformation Evolution of a Technology, Social Norm, Economic-, Political System... Performance on Goals Degree of Maturity Transformation (Performance) Reforms New technology / norm, economic-, political system ... (new trajectory) **Incremental Change** Path dependency Radical Innovation Birth Maturity Growth Time Radical Innovation A system sticks to a given trajectory as long as incremental innovation are favoured to prevent sunk costs from changing the basic technology, social norm, economic-, political system... From: Joachim Hafkesbrink ttps://www.slideshare.net/johaf/technological-paradigm-shifts-updated





#### 3 types of change

Incremental: More of the same (size, number...), skaling within same system **Reform:** Structural change within same system







e Harrison Wilde

Pictures: lifecycle.onenessbecomesus.com https://www.butterfliesandmoths.org KDG4 Kehrer, Daniel GIZ, 12/10/2019

# Transformative Change – examples



# Transformative Change – examples

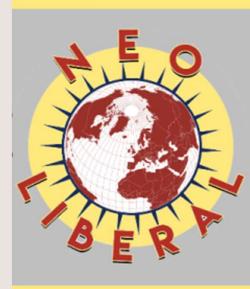








#### Transformative Change – examples



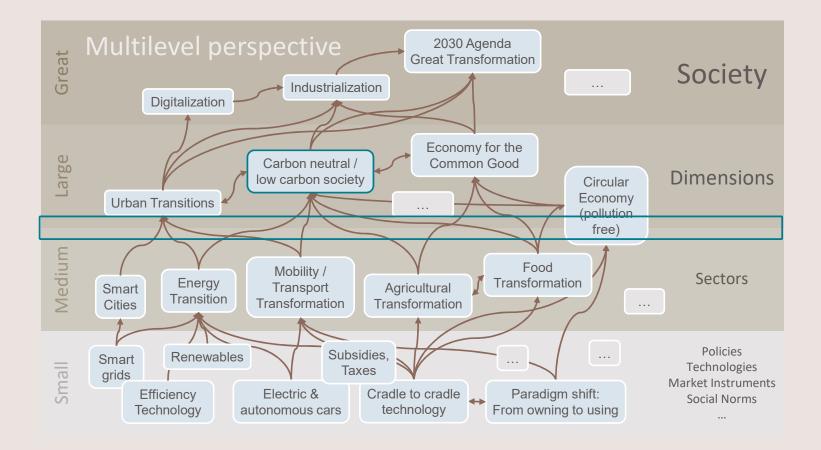
Free markets, Free trade, and the freedom to <u>think.</u>



https://theclassicalyankee.files.wordpress.com/2017/06/cropped-neoliberalbanner11.png

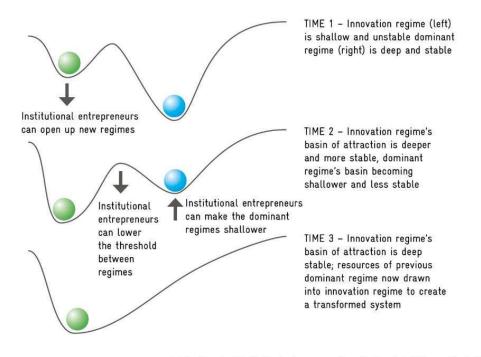
# **THE COMMON** GOIOI

#### Multilevel perspective, interdependence, multi scope



#### **1**<sup>st</sup> **point for action:** Being sharp about transformation: <u>recent vs.</u> anticipated system

Figure 16: Transformation from a resilience perspective



... emphasizing the role of institutional entrepreneurs (from Westley et al. 2011, own illustration).

- From mitigation in general towards
   GHG neutrality
- Linking of GHG neutrality to lower level (e.g. sectoral) transformation fields

# Purpose

Continuous learning / improvement of TC **approaches**, **methods**, **tools**... (intervention design/action)

 $( \bigcirc )$ 

Impulses for transforming our work: comissioning processes, project cycles, M&E, budgeting, project types... (conditions for interventions)

- Honest brokering for normative joint agenda setting: ,time for transformations' (development priorities)
- → All for better / faster / more ambitious TC and hence development progress, solving the crises

# Project developers<br/>and implementersSupporting<br/>(M&E...<br/>unitsComissioning<br/>partiesSectoral unitsSocietalSoc

& Audience

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Issue to Action? Reflections on how to support use of TC concepts and further evolution in practice

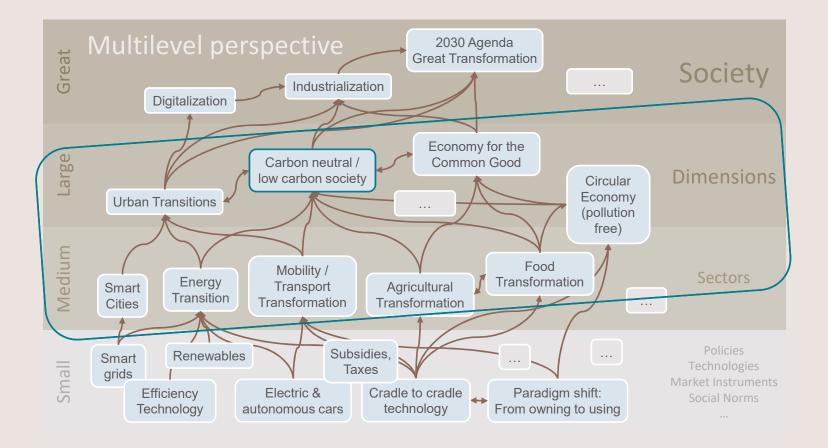
,Let's act our way into new ways of thinking'

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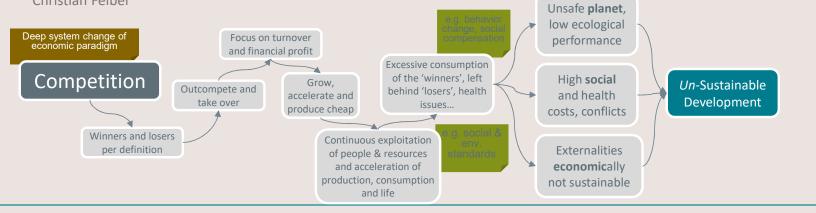
# Intervention Content (what to do)

#### Getting to medium & large levels





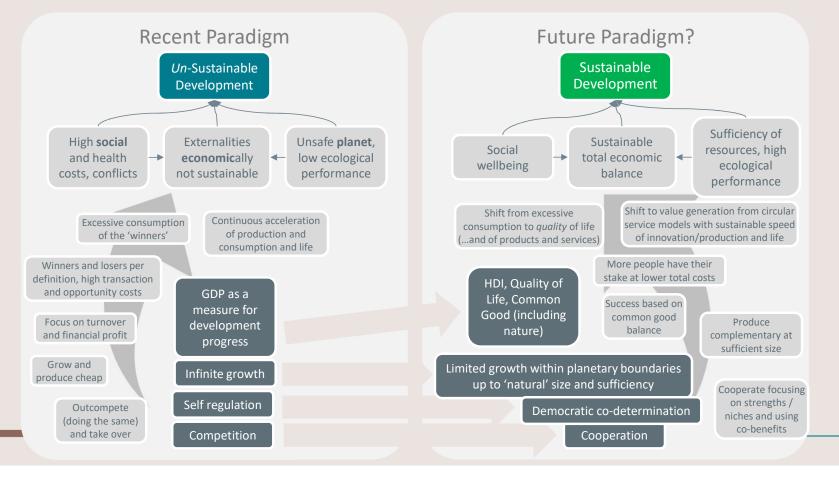
"The one who causes the biggest damage, has the biggest competitive advantage" Christian Felber



#### Designing interventions for deep system change

THE COMMON

#### **Economic 'deep system' change**

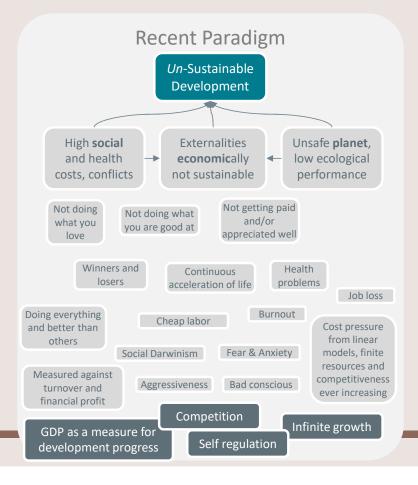


### Transformative Change – examples

	GOOD MATRIX		ECONOMY FOR THE COMMON GOOD An economic model for the future								
VALUE	Human dignity	Cooperation and Solidarity	Ecological Sustainability	Social Justice	Democratic Co-determination and Transparency						
A) Suppliers	A1: Ethical Supply Management Active axamination of the risks of purch	hased goods and services, consideration	of the social and ecological aspects of su	ppliers and service partners	90						
B) Investors	B1: Ethical Financial Management Consideration of social and ecological aspects when choosing financial services; common good-oriented investments and financing 3										
C) Employees, including business owners	C1: Workplace quality and affirmative action Employee-oriented organizational culture and structure, fair employ- ment and payment policies, work- place health and safety, work-life balance, flexible work hours, equal opportunity and diversity 90	C2: Just distribution of labor Reduction of overtime, eliminat- ing unpaid overtime, reduction of total work hours, contribution to the reduction of unemployment	C3: Promotion of environmentally friendly behavior of employees ctive promotion of sustainable life- styles of employees (mobility, nutri- tion), training and awareness-raising activities, sustainable organizational culture	C4: Just income distribution Low income disparity within a com- pany, compliance with minimum and maximum wages	C5: Corporate democracy and transparency Comprehensive transparency within the company, election of managers by employees, democratic decision- making on fundamental strategic issues, transfer of property to employees 90						
D) Customers / Products / Services / Business Partners	D1: Ethical customer relations Ethical business relations with customers, customer orientation and co-determination, joint product development, high quality of service, high product transparency 50	D2: Cooperation with businesses in same field Transfer of know-how, personnel, contracts and interest-free loans to other business in the same field, par- ticipation in cooperative marketing activities and crisis management 70	D3: Ecological design of products and services Offering of ecologically superior products/services; awareness rais- ing programmes, consideration of ecological aspects when choosing customer target groups 90	D4: Socially oriented design of products and services Information, products and services for disadvantaged groups, support for value-oriented market structures 30	D5: Raising social and ecological standards Exemplary business behavior, development of higher standards with businesses in the same field, lobbying 30						
E) Social Environ- ment: Region, electorate, future generations, civil society, fellow human be- ings, animals and plants	E1: Value and social impact of products and services Products and services fulfill basic human needs or serve humankind, society or the environment 90	E2: Contribution to the local community Mutual support and cooperation through financial resources, services, products, logistics, time, know-how, knowledge, contacts, influence 40	E3: Reduction of environmental impact Reduction of environmental effects towards a sustainable level, resources, energy, climate, emissions, waste etc. 70	E4: Investing profits for the Common Good Reducing or eliminating dividend payments to extern, payouts to employees, increasing equity, social- ecological investments 60	E5: Social transparency and co- determination, Common good and sustainability reports, participation in decision- making by local stakeholders and NGO's 30						
Negative Criteria	Violation of ILO norms (international labor standards) / human rights 200 Products detrimental to human digni- ty and human rights (e.g. landmines, nuclear power, GMO's) -200 Outsourcing to or cooperation with companies which violate human dignity -150	Hostile takeover -200 Blocking patents -100 Dumping Prices -200	Massive environmental pollution -200 Gross violation of environmental standards -200 Planned obsolescence (short lifespan of products) -100	Unequal pay for women and men       -200         Job cuts or moving jobs overseas despite having made a profit       -150         Subsidiaries in tax havens       -200         Equity yield rate >10%       -200	Non-disclosure of subsidiaries -100 Prohibition of a works council -150 Non-disclosure of payments to lobbyists -200 Excessive income inequality within a business -150						

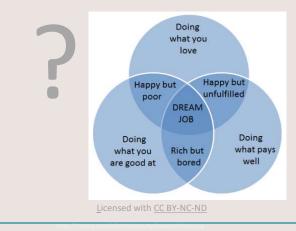
#### Linking these with dominant narratives

#### **Sustainable Jobs?**



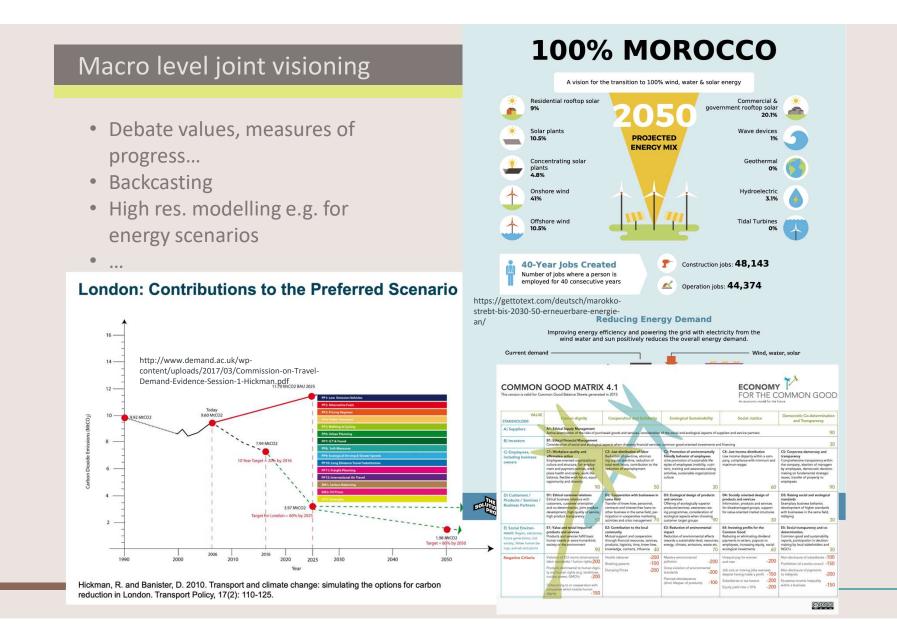


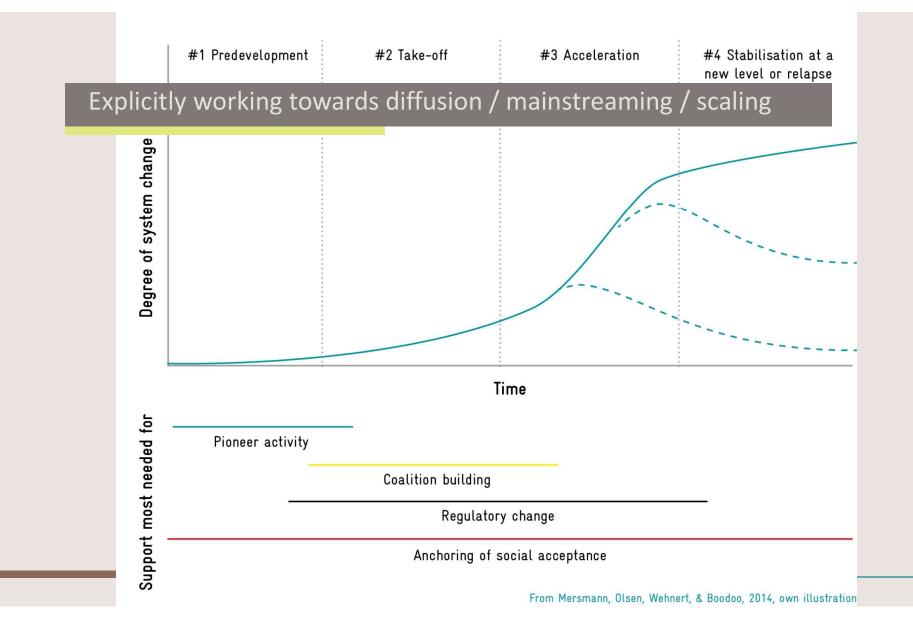
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### Linking these with economic sustainability







#### Establish more boundary agency at science, society, policy interfaces

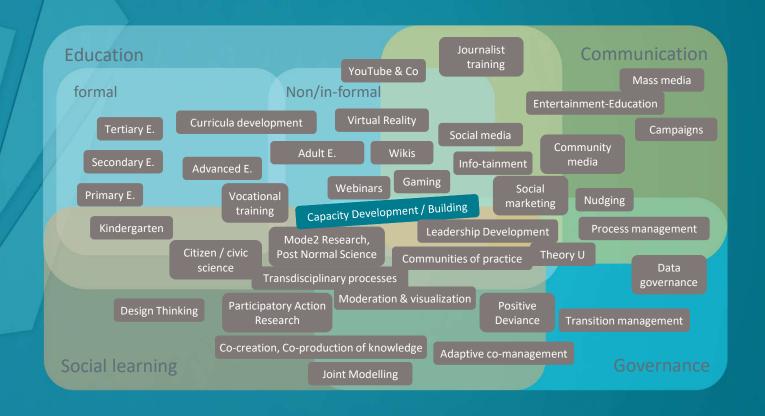
#### Environment

**Social** sphere from individual to (global) society, involving: values, cultures, social norms, attitudes, memes, beliefs, knowledge, behaviors, practices

Politics, legal norms, incentives, institutions Economy, financial market, production and consumption patterns

> Science, technology, infrastructure

#### Getting hands on large scale learning & social change

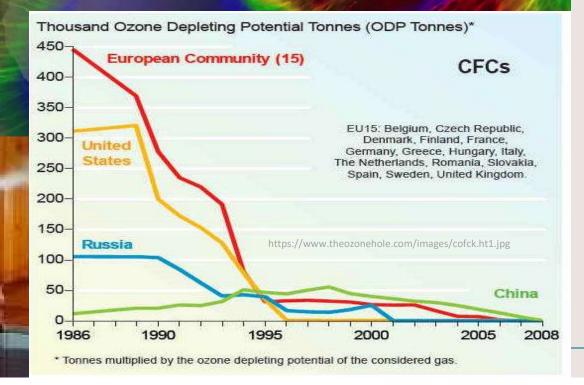




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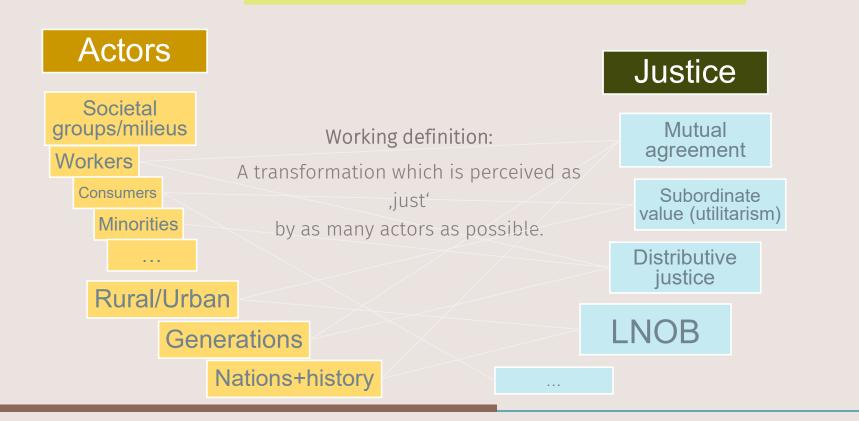
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https://www.silbersalz-festival.com/de/programme/silbersalz-2018-halle-

saale/mission-ozonloch-wie-wir-die-erde-gerettet-haben-0

#### Getting hands on Just Transition



#### Just Transition Action Fields

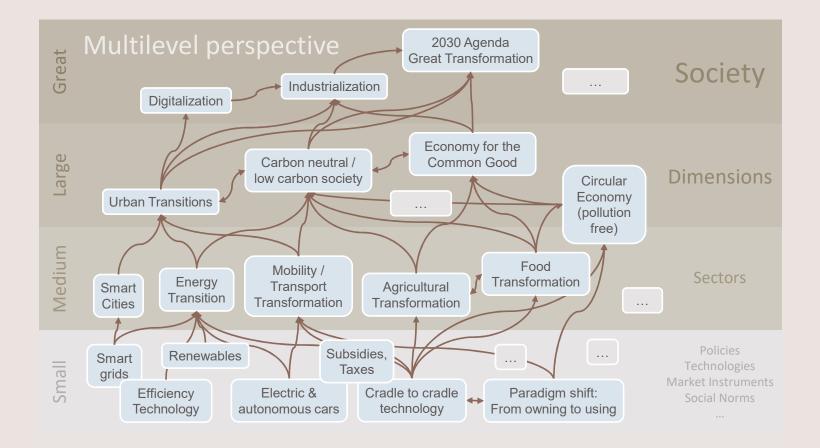


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# Intervention **Types & Processes** (How to do it)

"We cannot solve our problems with the same thinking we used when we created them." Albert Einstein.

#### Multilevel perspective



#### Transformation deals with 'super complex' systems

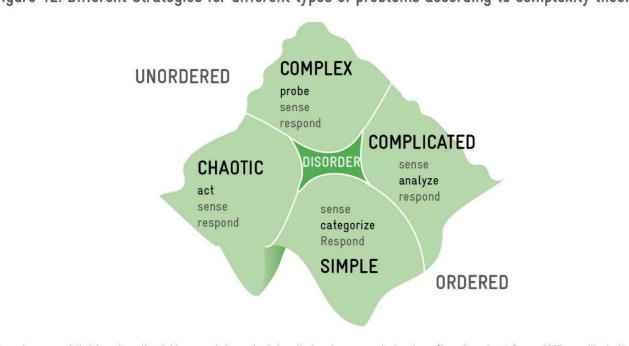
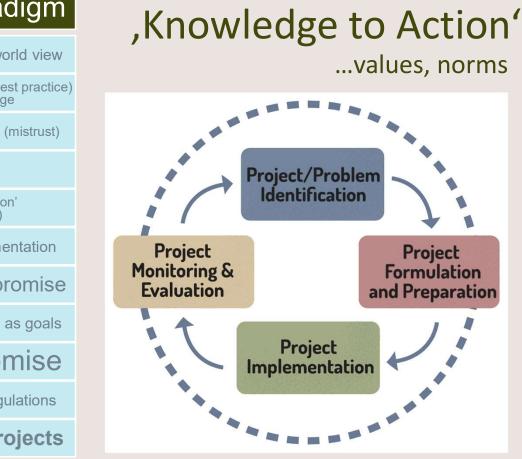


Figure 12: Different Strategies for different types of problems according to complexity theory

It can be assumed that transformation fields as a whole are best described as 'super complex' systems (from Snowden & Boone, 2007, own illustration).

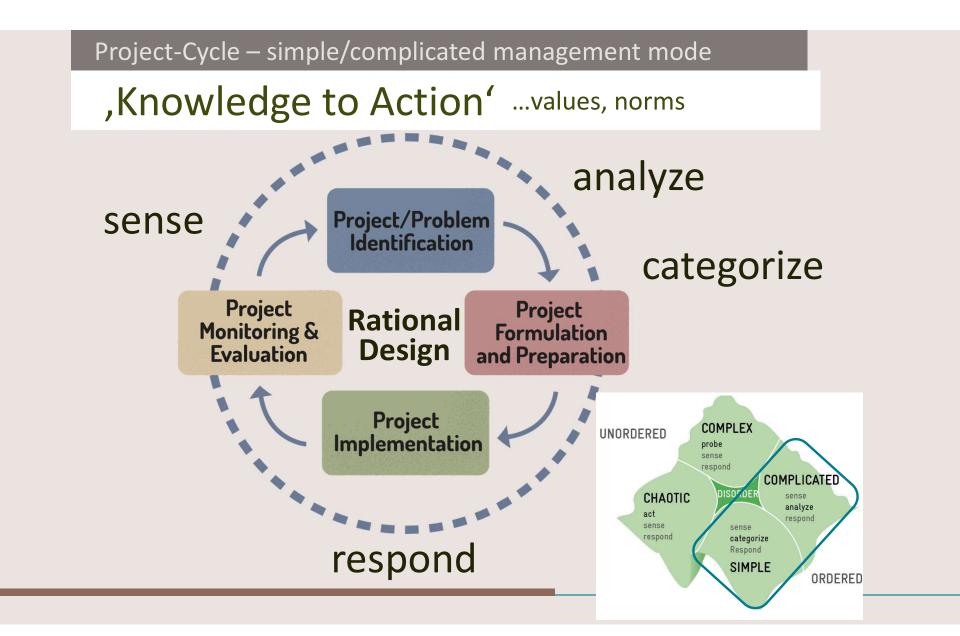
#### The recently (still) dominant management paradigm

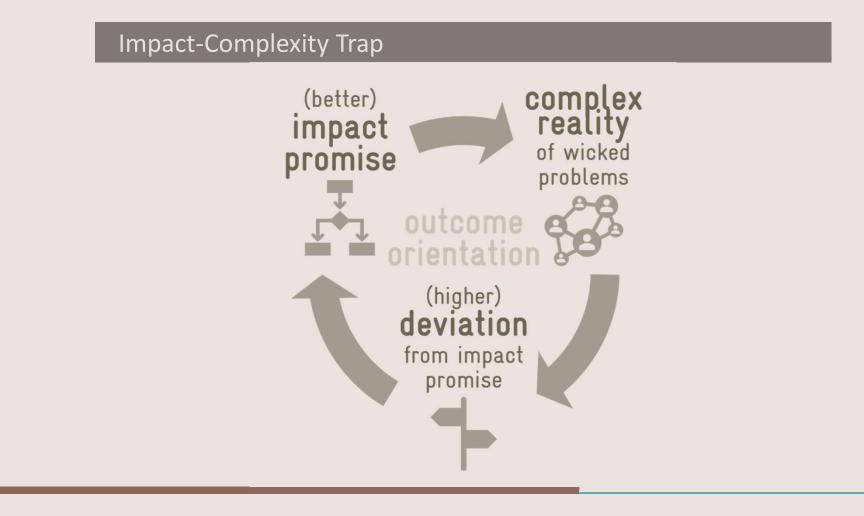


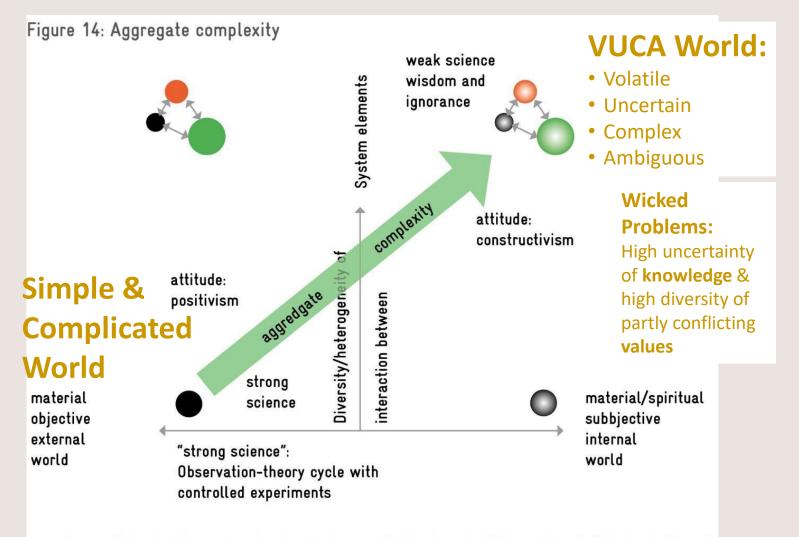
#### Recent Paradigm

Rationalist, positivist world view Central power, account & (best practice) objective knowledge Negotiation & competition (mistrust) Mainstreaming (linear) 'Knowledge to action' (rational design) Preparation & implementation **(Future) impact promise** Quantitative indicators as goals **Funding promise** Hierarchies, rules, regulations

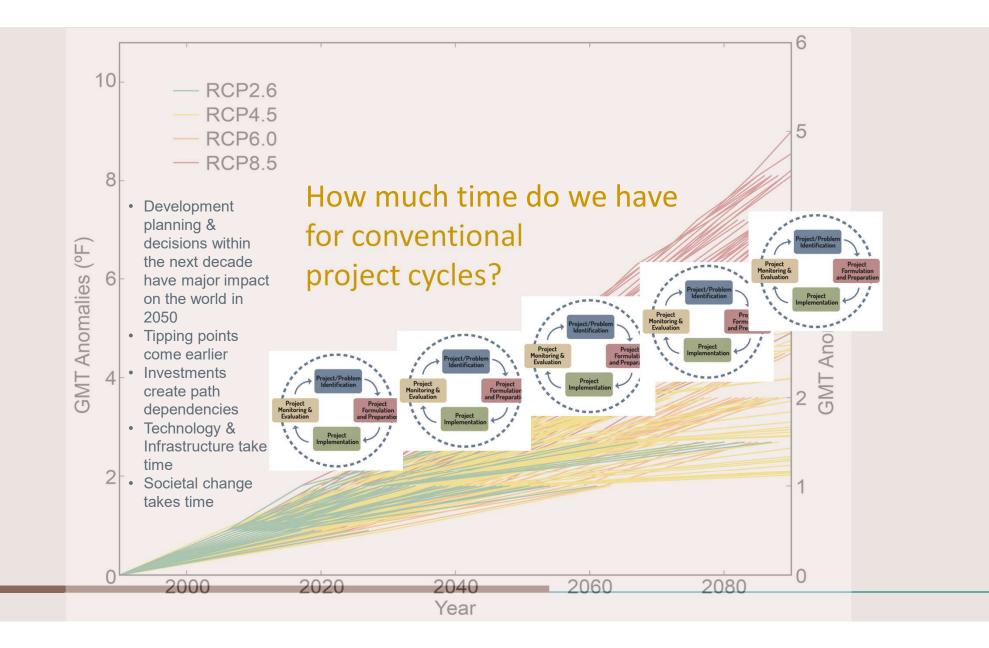
Few delivered **projects** 







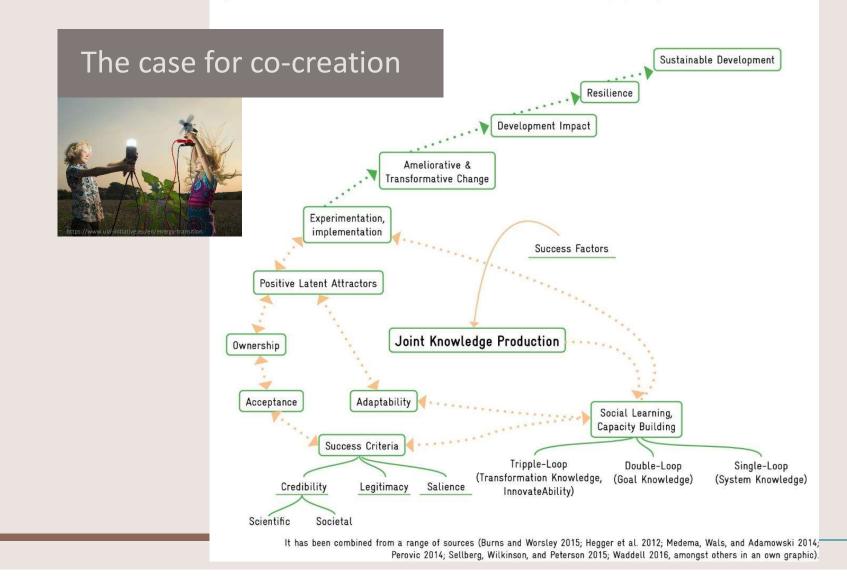
... as an increase of interaction between system elements and an increase of the importance of subjective mental worlds (taken from de Vries and Petersen, 2009, own illustration). In a 'super complex' system, of uncounted interactions and uncounted subjective mental models the science and the evidence base gets weak and adaptive, co-creative management a way to navigate.

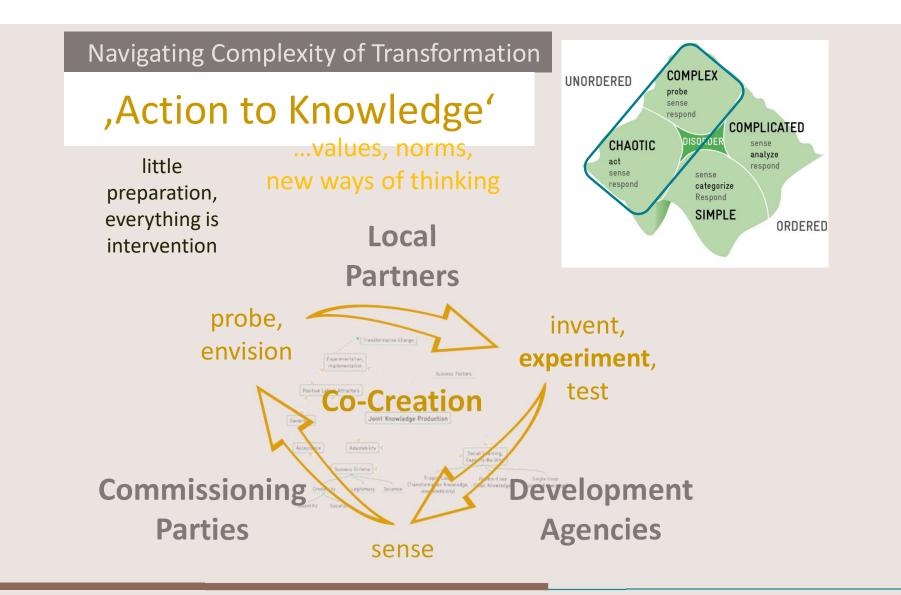


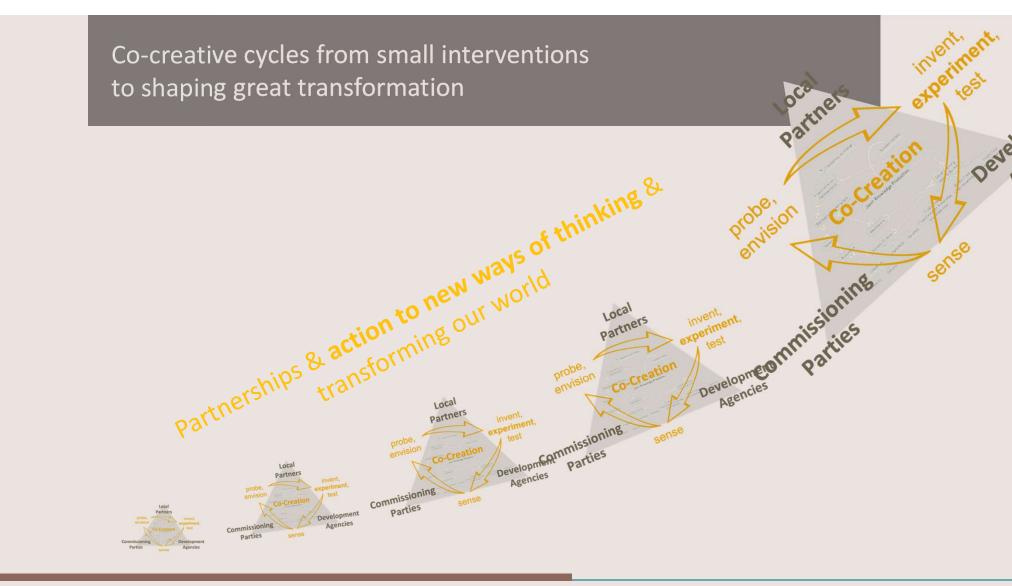
#### **Process Promise**

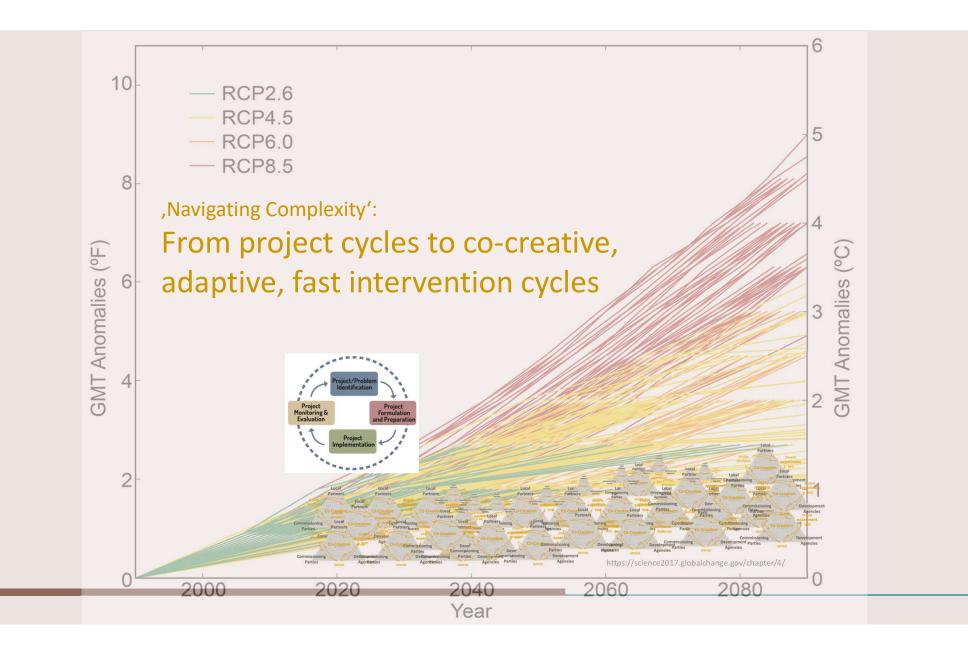


Figure 7: Causal model for interventions at science-society-policy interfaces









#### A new Management Paradigm

#### Recent Paradigm

#### Rationalist, positivist world view

Central power, -account & -(best practice) objective knowledge

Negotiation & competition (mistrust)

Mainstreaming (linear)

'Knowledge to action' (rational design)

Preparation & implementation

(Future) impact promise

Quantitative indicators as goals

#### Funding promise

Hierarchies, rules, regulations

Few delivered projects

#### New Paradigm

Constructivist world view

Reciprocity, perceptions, error & local intersubjective knowledge & values matter

Partnerships & cooperation (trust)

Integrated Approach (circular, iterative, interactive)

'Action to new ways of thinking' (co-evolution)

Adaptive management

(Recent) process promise

Co-creative visioning and sensing

Flexible joint fund allocation

Relationship & self-organization

Many joint interventions

#### ...for the VUCA world



#### Co-evolving the new management paradigm

### New Paradigm

#### Constructivist world view

Reciprocity, perceptions, error & local intersubjective knowledge & values matter

Partnerships & cooperation (trust)

Integrated Approach (circular, iterative, interactive)

'Action to new ways of thinking' (co-evolution)

Adaptive management

(Recent) process promise

Co-creative visioning and sensing

Flexible joint fund allocation

Relationship & self-organization

Many joint interventions

### Experimentation / test fields

- E.g. test flexible, co-creative, iterative, adaptive, **fast action cycles** without long preparation and focus on design principles.
- Find smart ways of intervening directly and navigating further jointly within the co-creation triangle

E.g. test **cooperative intervention design & commissioning** in which actors can bring in their true strengths in a complementary way (and do not compete for the entire cakes).

 Find smart ways of 'good commissioning governance', being transparent and accountable on the flexible and small scale base above and below

E.g. test **flexible joint fund allocation** for the respective next iterative step to minimize investment / accountability risk and fund locking.

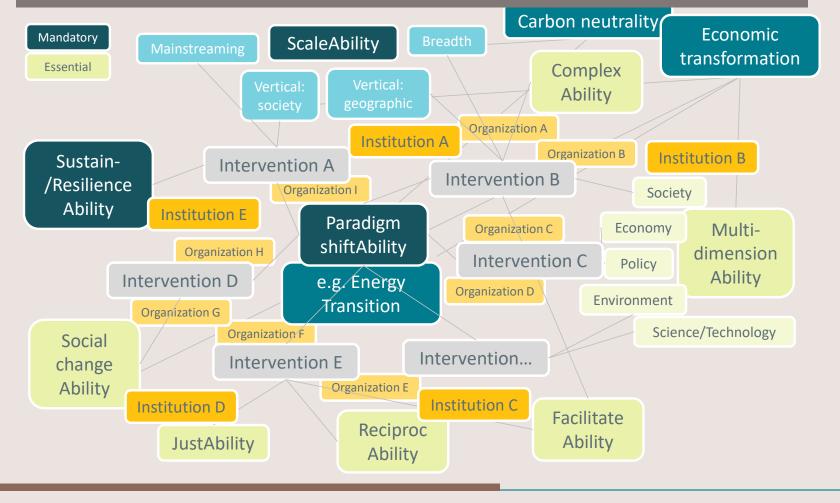
 Find smart, digitally safe, accountable ways of fund allocation to where they are recently needed (or relocation from where they are recently not needed)

E.g. test qualitative and quantitative **M&E** as a sensing tool with flexible indicators as proxies on the way to overall goals

- Milestones and goals are subject to on-going joint sensemaking and potential changes too
- Intervention success is rather bound to a good process (process promise, design principles) that makes tipping points more likely

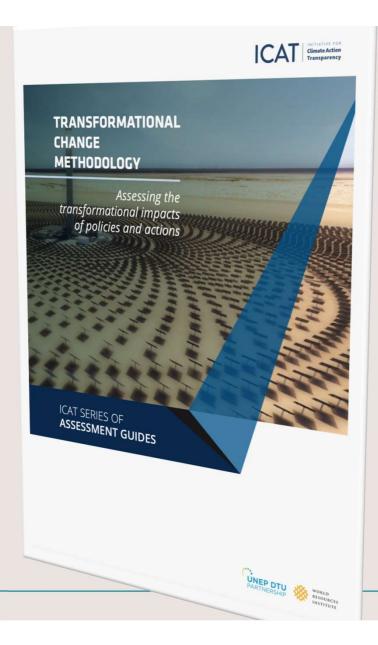
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#### Multiple evolving partnerships and interventions for transformation fields



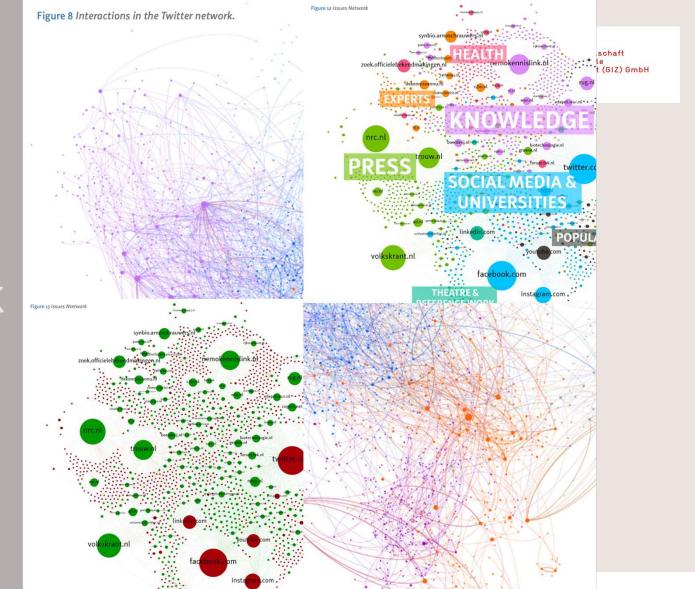


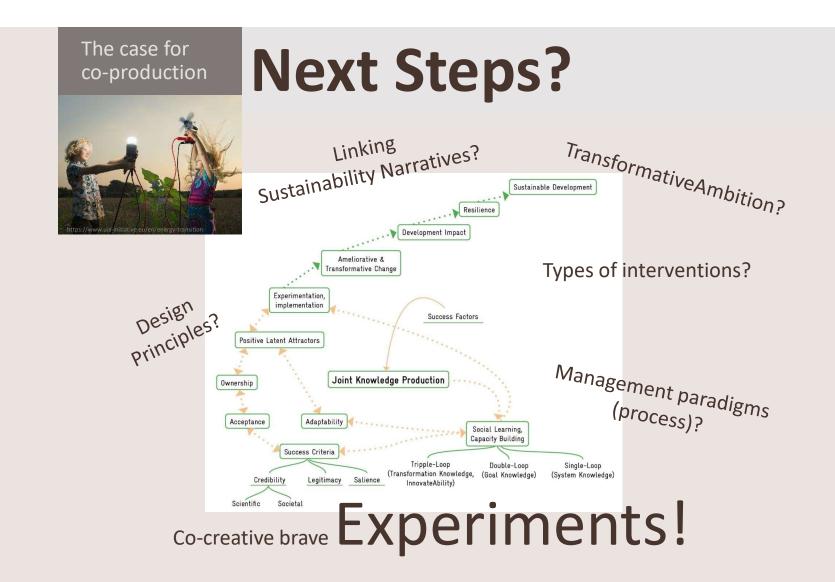
		ve project design, a and indicators									
No.	Quality criteria	Indicator	Design / Outcome	Field of transformation	Qualitative/Q uantitative	Verifiability		Developing fields of transformation / transformation portfolios: How broadly is the issue, criterion, indicator to be addressed			
1	i	Go directly to essential	i				in the country / countries	in the project	by others	What is still needed?	
2	mandatory 1	essential () criteria					a i		<u>-</u>		
	Transformati	ve change (transformative relevance)				other types of change (incremental chang hift, (socio-technical) regime change, or a			ure of the <b>relevance</b>	of transformative	
4	Transformative change	Which system and/or paradigm, socio-technical regime, narrative etc. is to be transformed, e.g. through the intervention and other means, into which fundamentally different system?	Design	Generic / Cross-cutting	Qualitative	Plausible description, classification in existing descriptions of transformations					
5	Transformative change	Distinguishing characteristicsTo what extent does the desired transformation differ from incremental changes (more of the same) or reforms (adaptation of a system), i.e. to what extent does it fundamentally question a system and offer a new one?	Design	Generic / Cross-cutting	Qualitative	Plausible description					
6	Transformative change	System neutrality: If the above points apply only in part or not at all: To what extent is this intervention - at the least - not detrimental to possible future transformative changes (e.g. no investment in institutions, laws, training and qualifications, technologies or infrastructure that ultimately reinforce path dependencies of the carbon-based society?)	Design	Generic / Cross-cutting	Qualitative	Plausible description					
7	Scaling (transformative ambition)		Vertical and horizontal scaling of the disruptive innovation across all levels and spheres of society, up to it becoming mainstream and the dominant paradigm. Without this, the disruptive innovation would remain in a niche and would not replace, or only partly replace, the prevailing system. As such, this criterion is an indicator for the ambition of the intervention(s)								
8	Scaling (scope)	What scope or system levels being addressed (single technology, law, social norm etc small transformation), whole sectors (medium transformation), social spheres (large transformation) or the entire society (great transformation)?	Design	Generic / Cross-cutting	Qualitative	Plausible classification					
9	Scaling (scope)	Small transformation: Single technology, law, social norm etc.	Design	Generic / Cross-cutting	Qualitative	E.g. "Single technology XY (small transformation)"					
		Medium transformation:									



# Social Network Analysis

Pictures: Lutkenhaus, Roel. Entertainment-Education in the New Media Landscape: Stimulating Creative Engagement in Online Communities for Social and Behavioral Change. 2020.







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## **Participant Discussion** Advancing Transformational Change Moderated by Nacibe Chemor, TCLP Lead Facilitator

Where is guidance and/or experimentation most needed to help translate thinking on transformational change into action?

What will it take to equip climate finance programs and practitioners to incorporate transformational change thinking into their work?

## **Upcoming TCLP Programs and Events**

- Joint CMM & Clean Energy Interest Group call: Energy-specific Signals of Transformational Change on 07 April
- TCLP Spring Virtual Workshop: Catalyzing Transformational Change, on 25-27 May



## Transformational Change Learning Partnership

- Updates on events and analytical work
- Interest Groups
  - TC Concepts, Methods, and Metrics
  - Clean Energy
  - Just Transition
  - Resilience and Landscapes

Email <u>rsmurthwaite@worldbank.org</u> to join the TCLP or Interest Group mailing list





