

# Global Governance

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# Die großen Herausforderungen

## Globalization

- Networking
- Interdependence
- Systemic risks

## Democracy

- Equality
- Participation
- Legitimacy

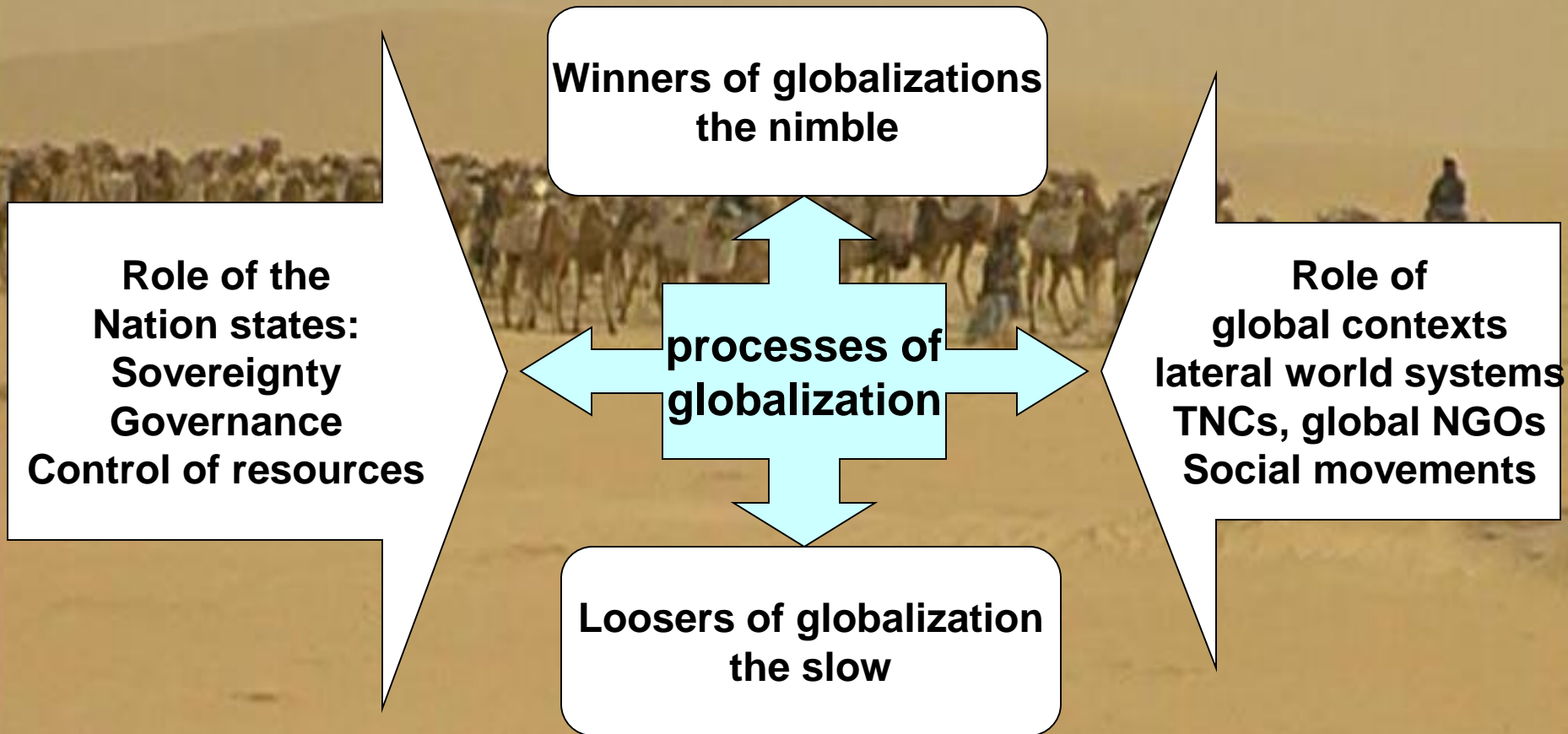
## Complexity

- Tempo
- Intransparence
- Non-knowledge

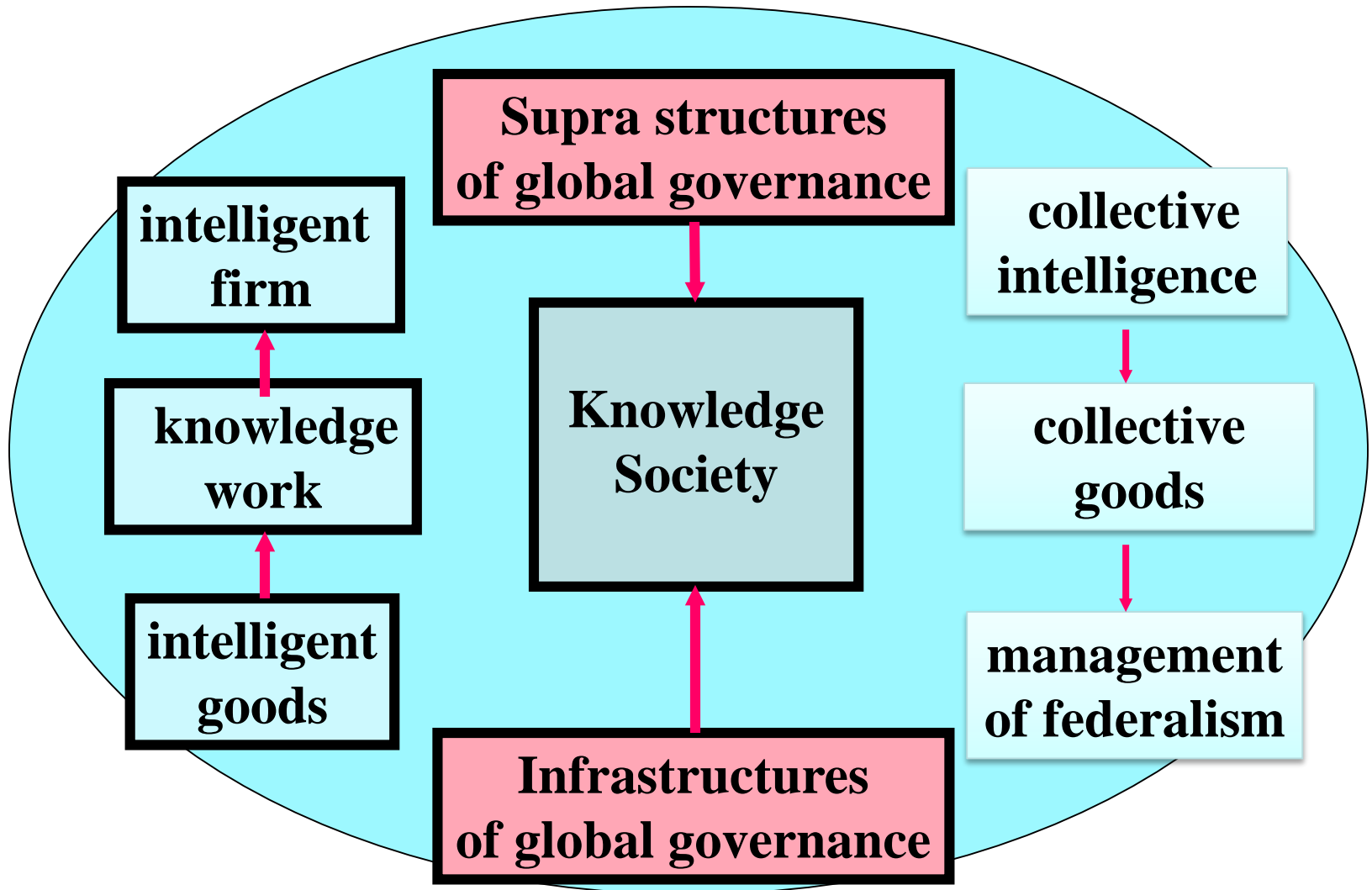
## Intelligence

- Knowledge base
- Dependence on expertise
- Topical illiteracy

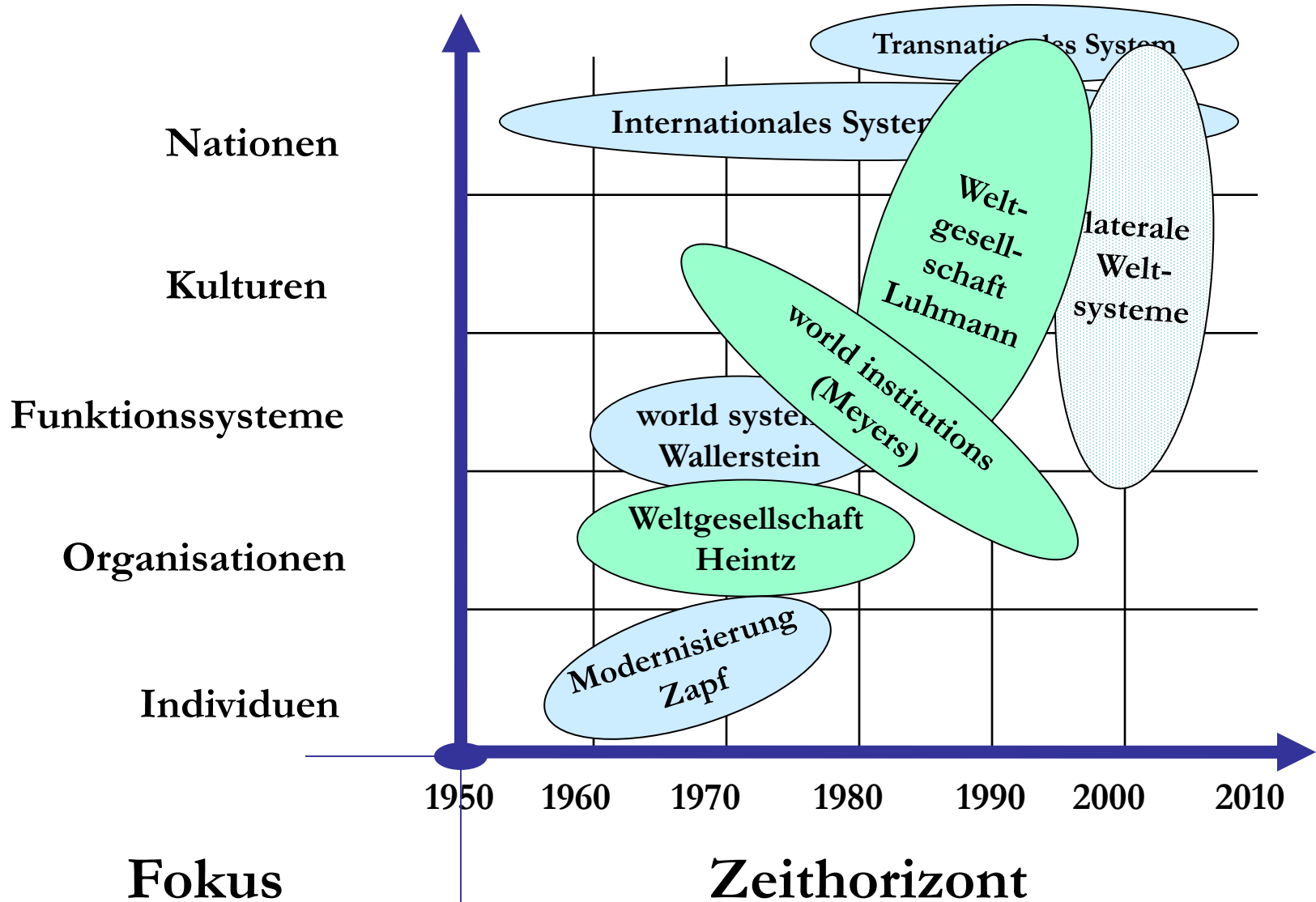
# Konfliktzonen der Globalisierung



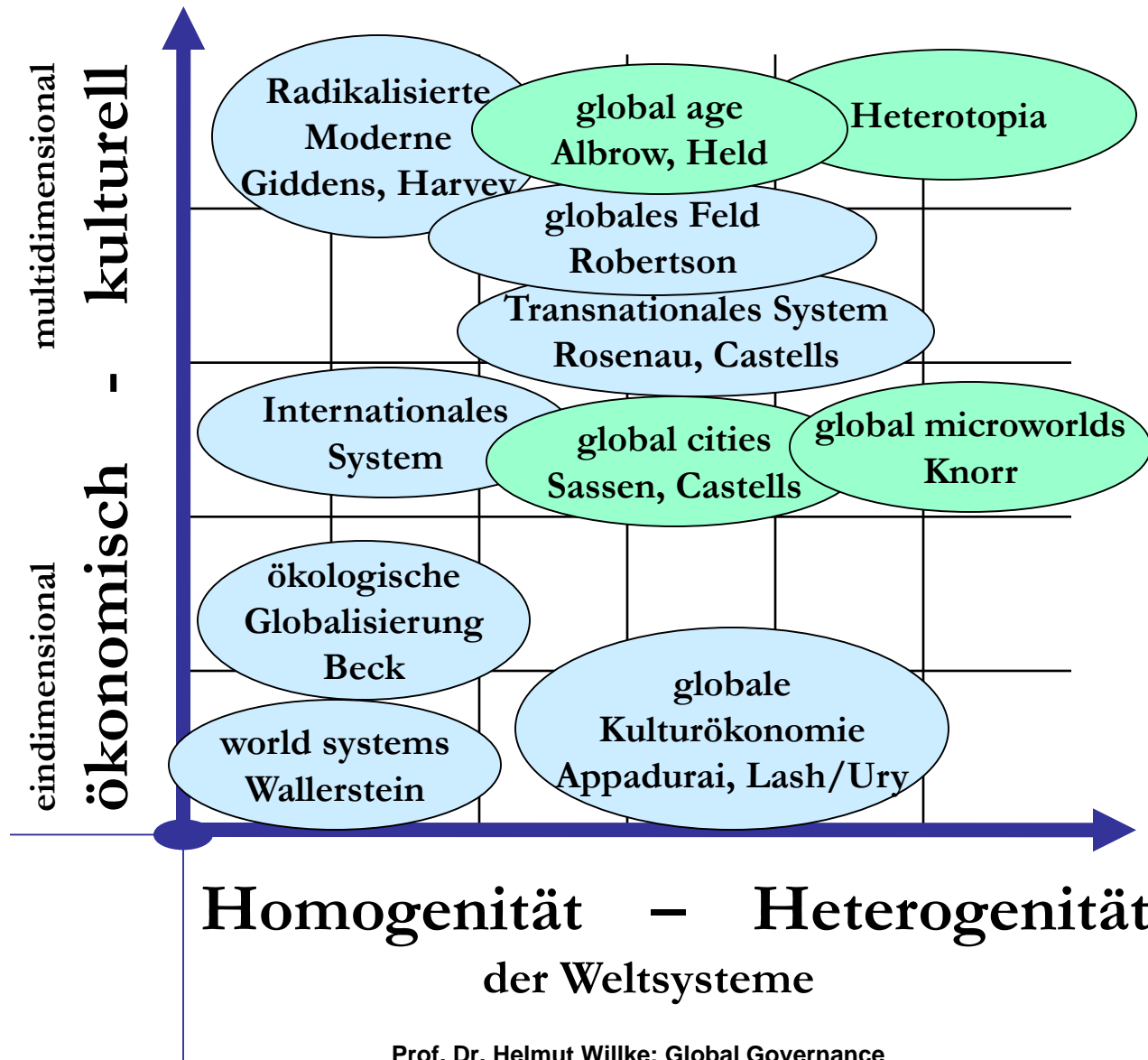
# Kernelemente der Wissensgesellschaft



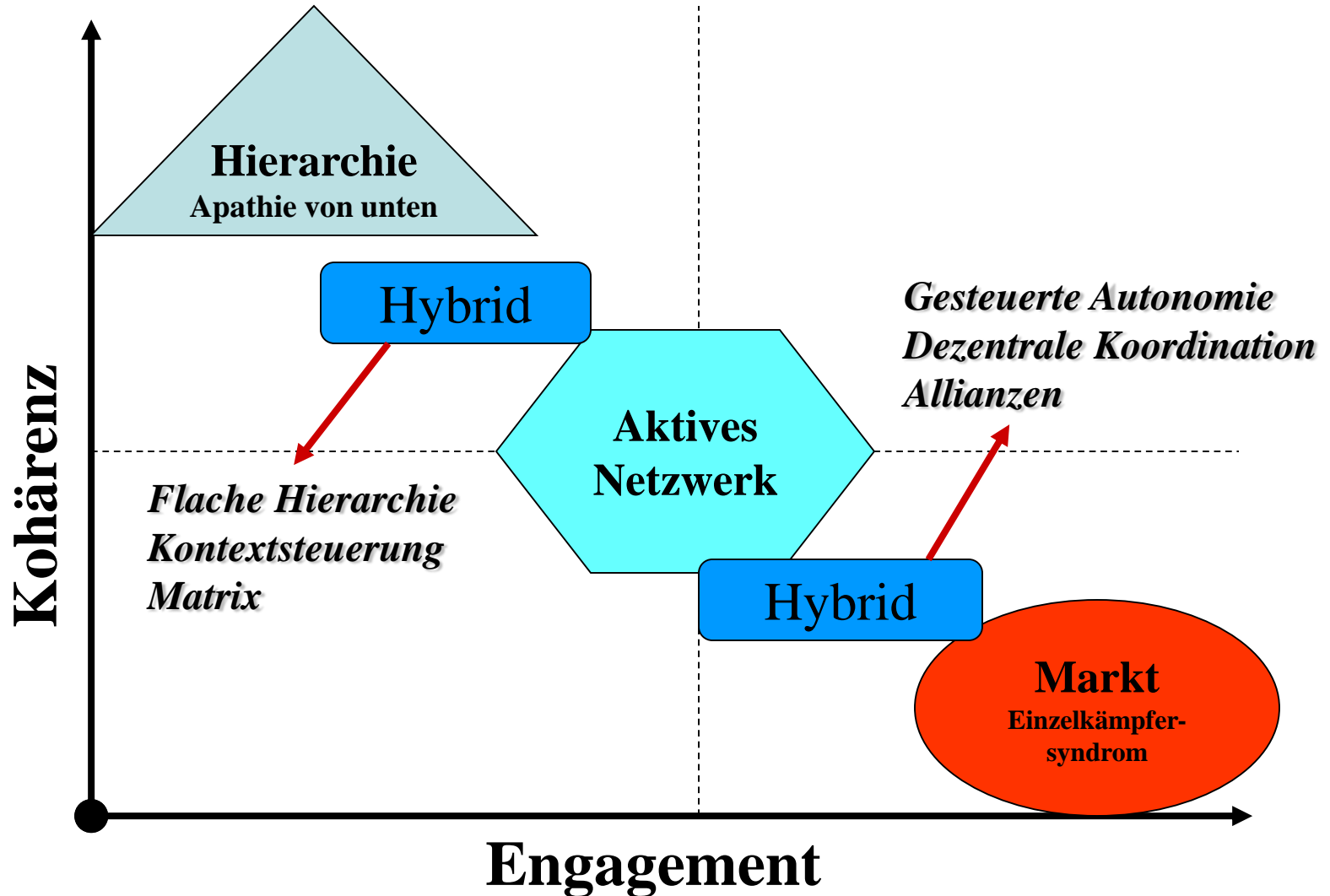
# Entwicklung der Konzeptionen von Weltsystemen/Weltgesellschaft



# Systematisierung der Konzeptionen von Globalisierung



# Modelle der Systemsteuerung



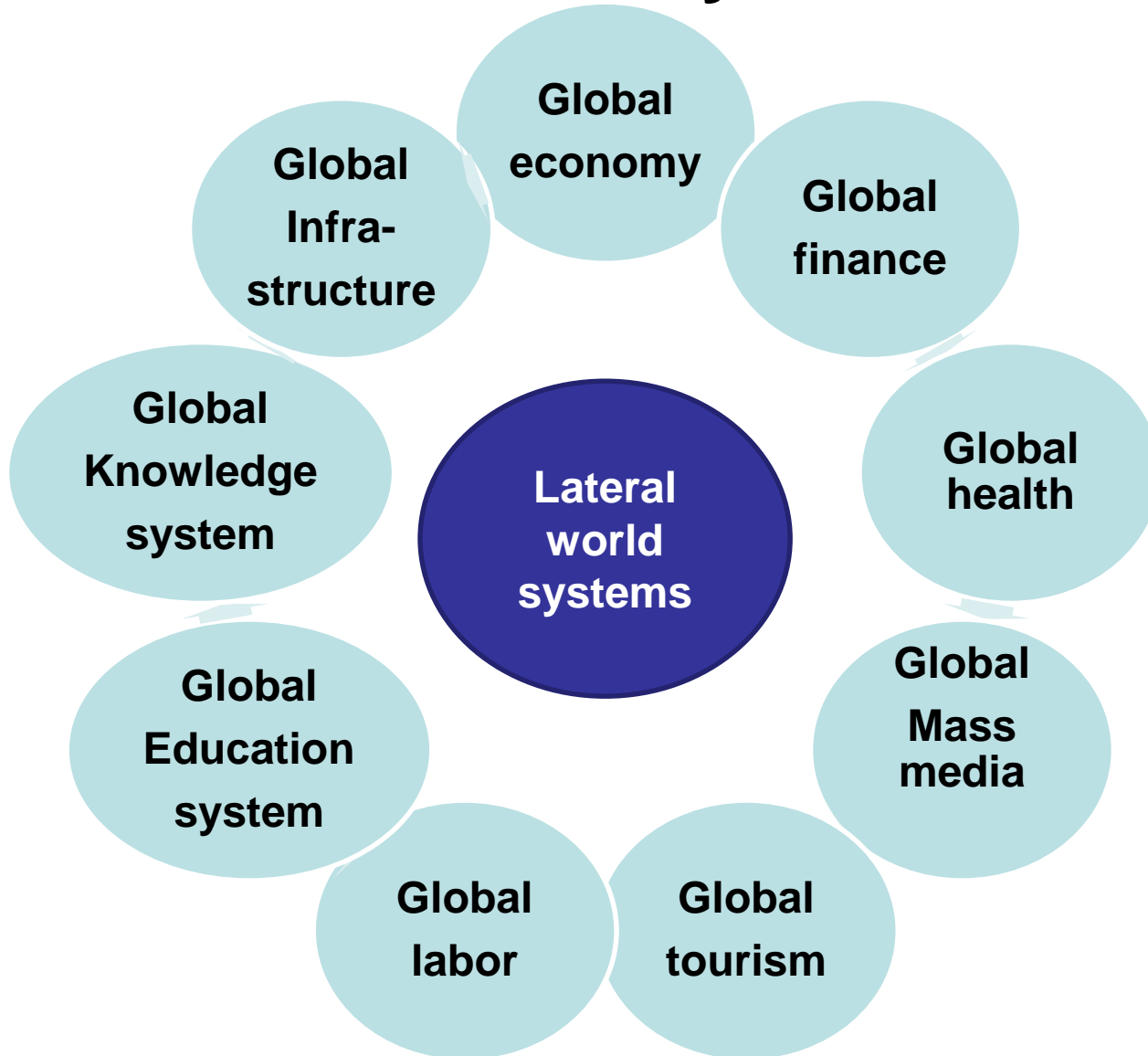


# Gesellschaftliche Problemlagen, Staatsfunktionen, öffentliche Infrastruktur

<b>Staatsfunktion</b>	<b>Infrastruktur</b>	<b>Steuerungsproblem</b>
<b>Pazifizierung</b>	<b>macht-basierte Infrastruktur</b>	<b>Organisation der Macht</b>
<b>Redistribution</b>	<b>geld-basierte Infrastruktur</b>	<b>Organisation der Wohlfahrt</b>
<b>Gesellschaftsteuerung</b>	<b>wissens-basierte Infrastruktur</b>	<b>Organisation der Expertise</b>








# Laterale Weltsysteme

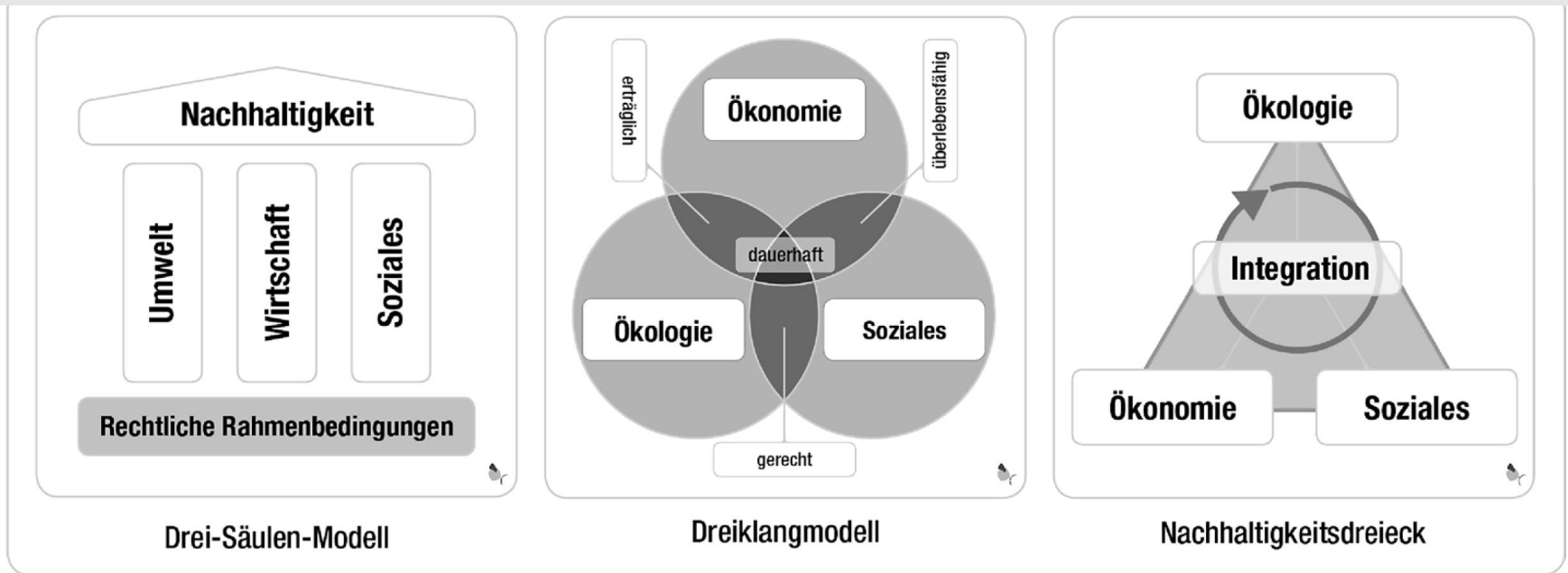


# Dynamik der Wissensgesellschaft

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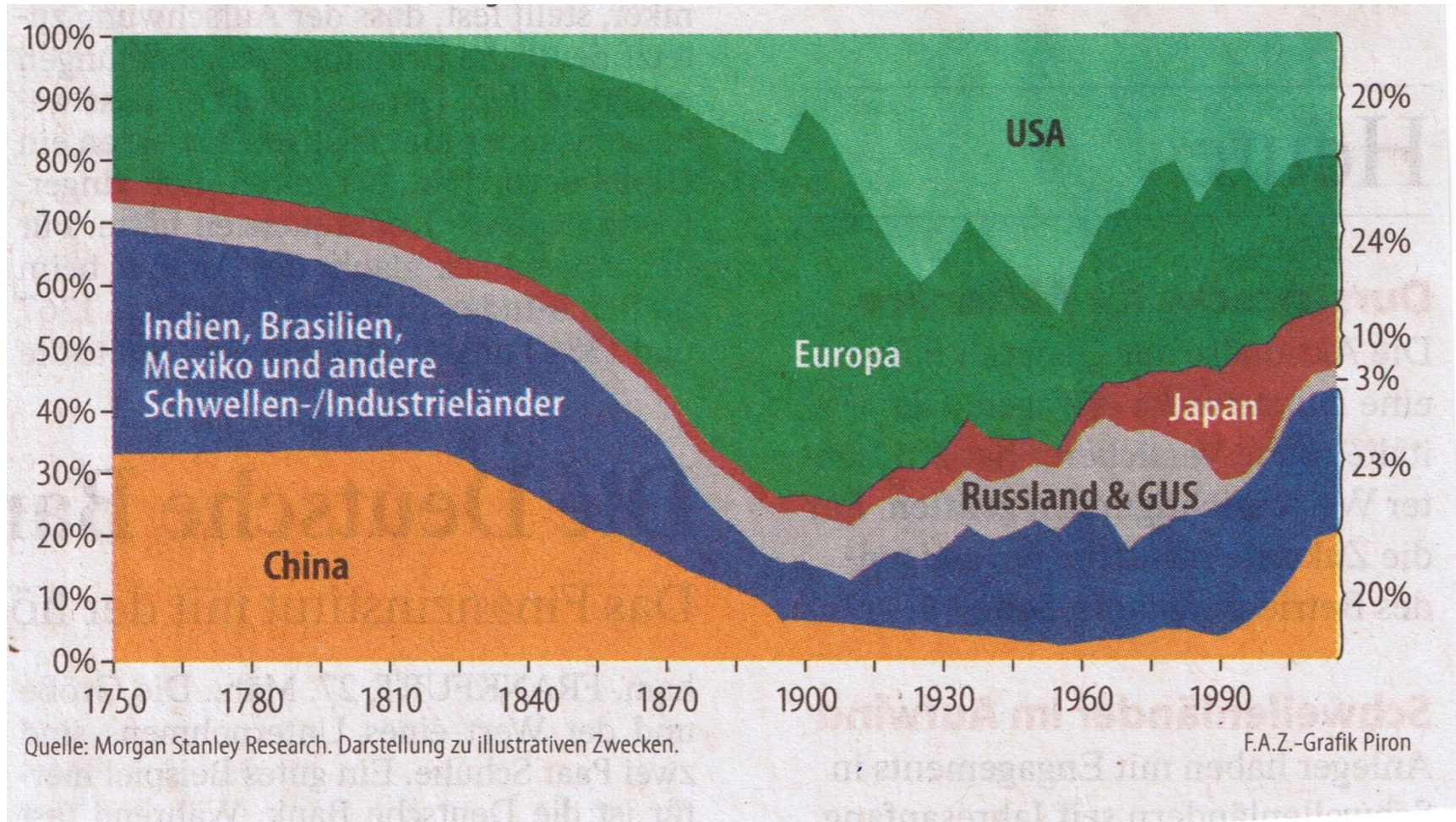
-  globale Vernetzung
-  Digitalisierung
-  Expertise als Kernressource
-  globale Konkurrenz
-  Institutionendynamik

# Wissensgesellschaft und Nachhaltigkeit

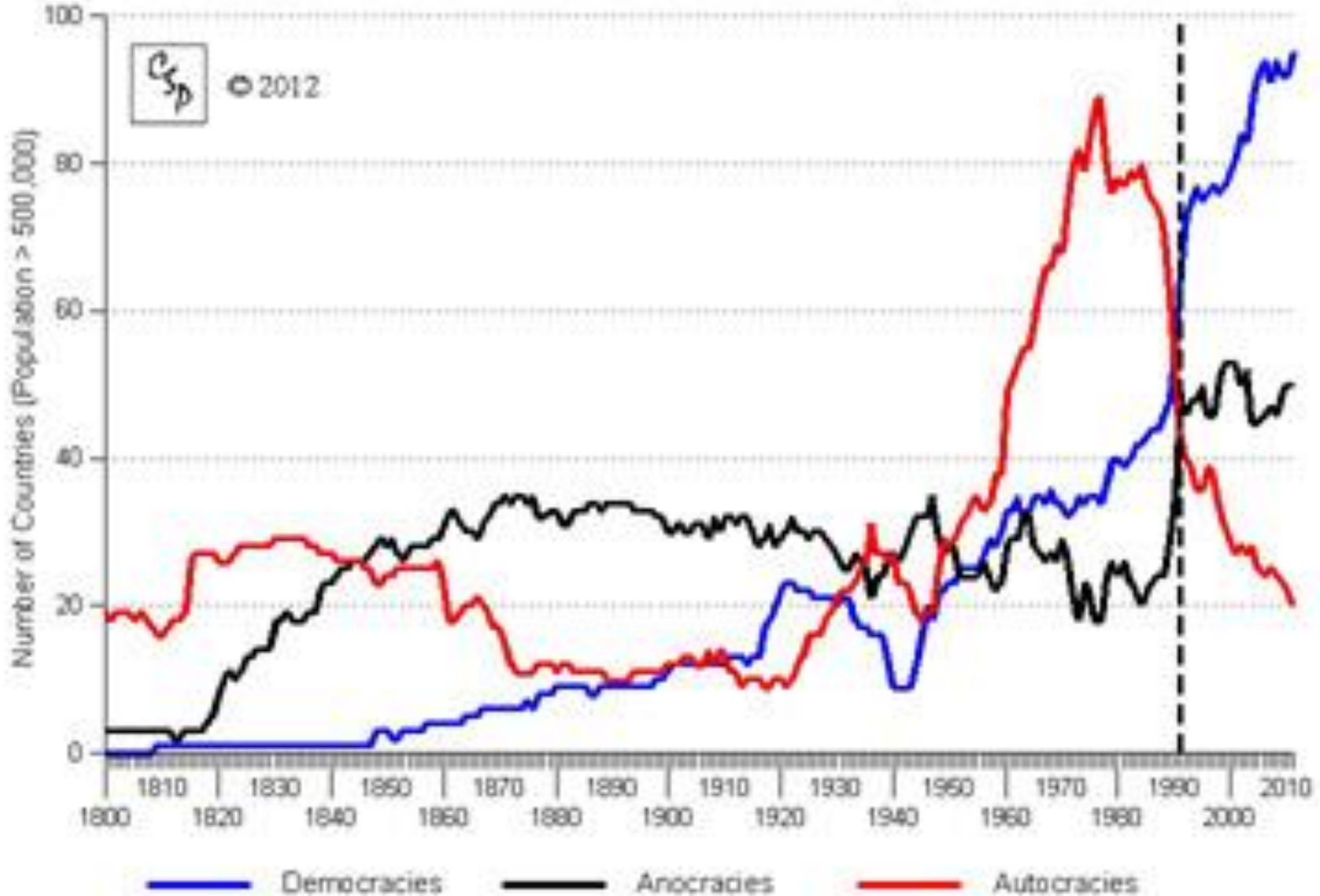


Quelle: Iris Pufé, GreenDesignNOW!

# Veränderungen globaler Produktion (1750-2010)

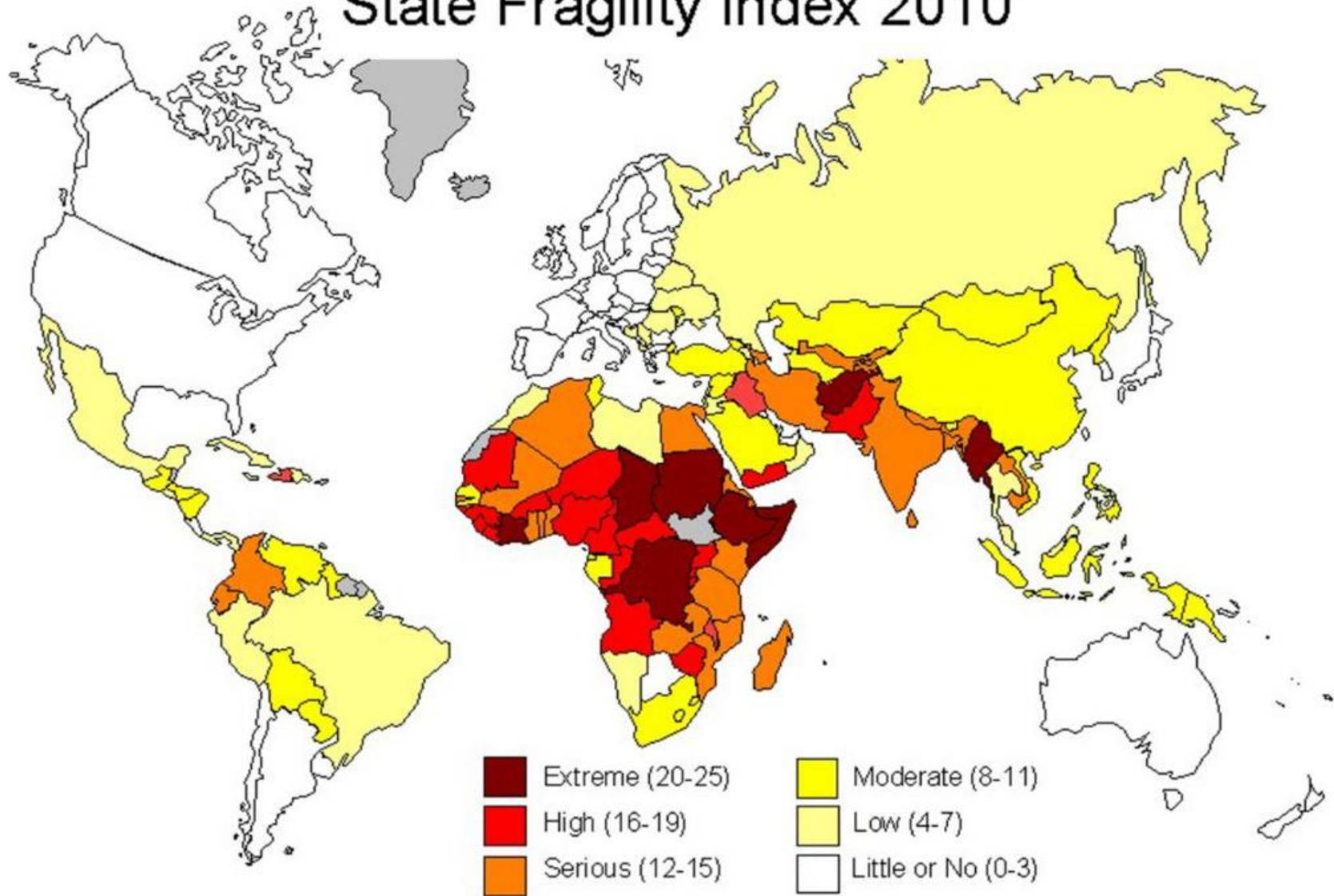


# Global Trends in Governance, 1800-2011



Source: <http://www.systemicpeace.org/polity/polity4.htm>

# State Fragility Index 2010



**Figure 1. State Fragility in the Global System**

Source: <http://www.systemicpeace.org/polity/polity4.htm>

# Globale Vernetzungen

Welche Form der  
Systemsteuerung ist  
angemessen?

# Intel's Worldwide Manufacturing Network

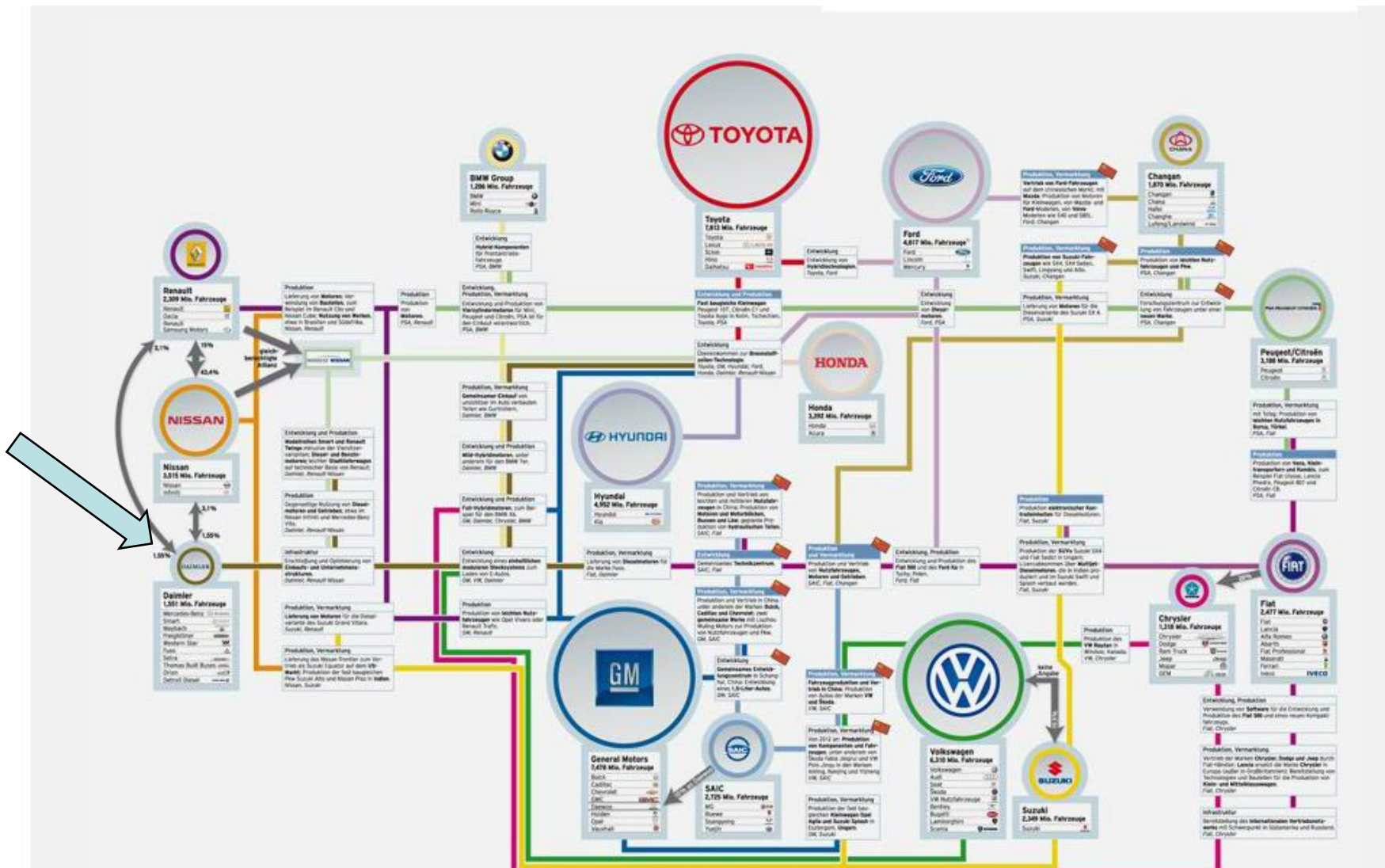


\* Projected

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# Global network of car industry



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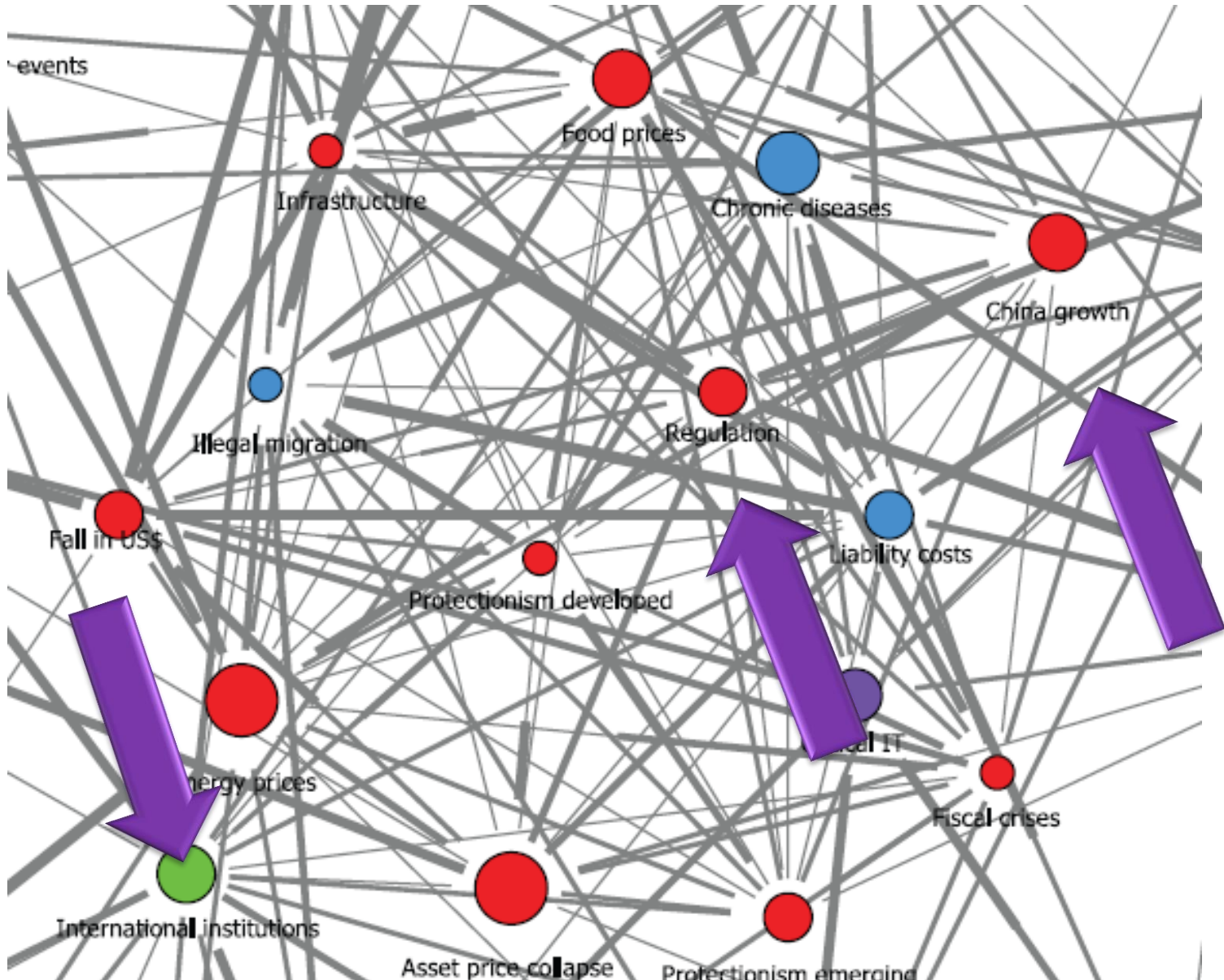
# Nutella Global Value Chain



Source: Ferrero



# Concatenation: Risk interconnection



# Fallstudie

Globales Finanzsystem:  
Systemisches Risiko und  
Global Governance

# Steuerung des globalen Finanzsystems

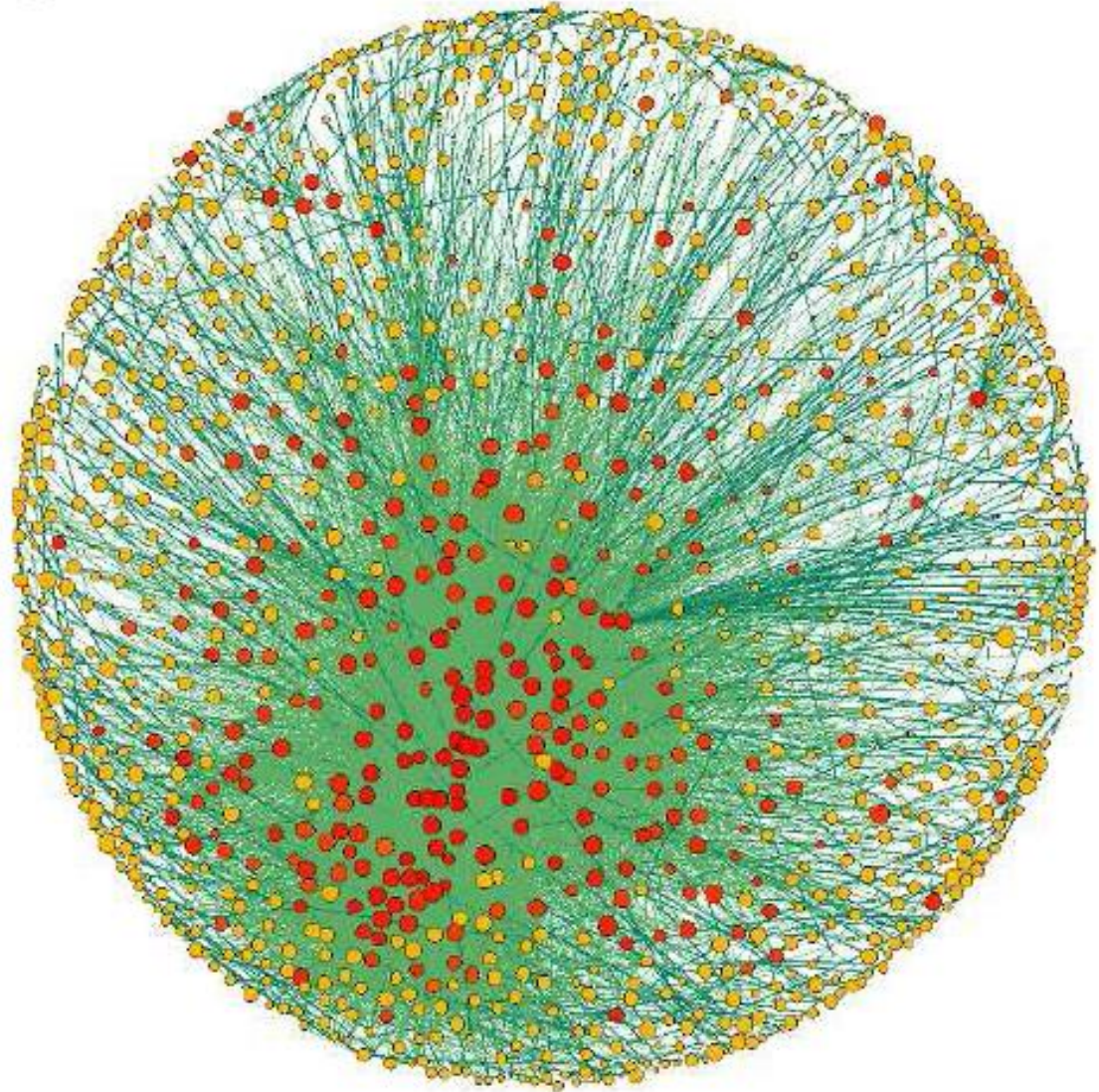
## 1. Akteure und Organisationen der Selbststeuerung



Figure 2

# Network of global players

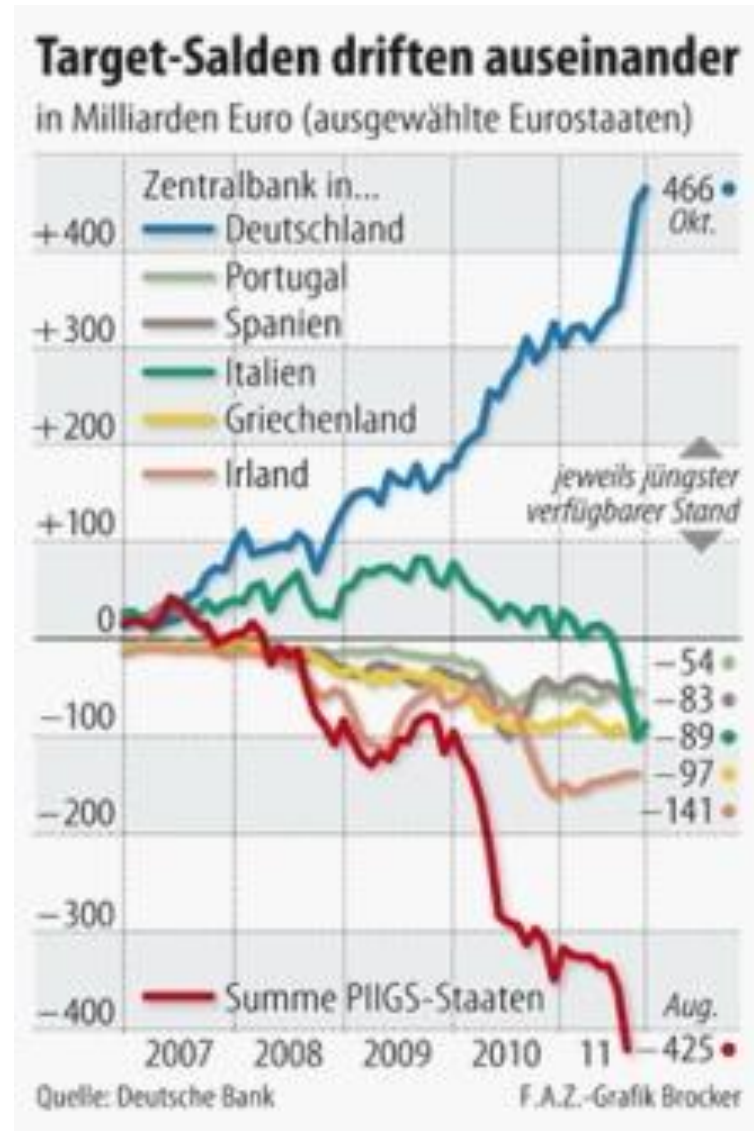
- **43.000 global players**
- **737 core players:**  
**comanding**  
**80% of global players**
- **147 SUPER UNIT**  
**(commanding**  
**40% of global players**



# Kann man die Krise „sehen“?

Target-System  
(Trans-European  
Automated Real-  
Time Gross  
Settlement  
Express Transfer  
System)

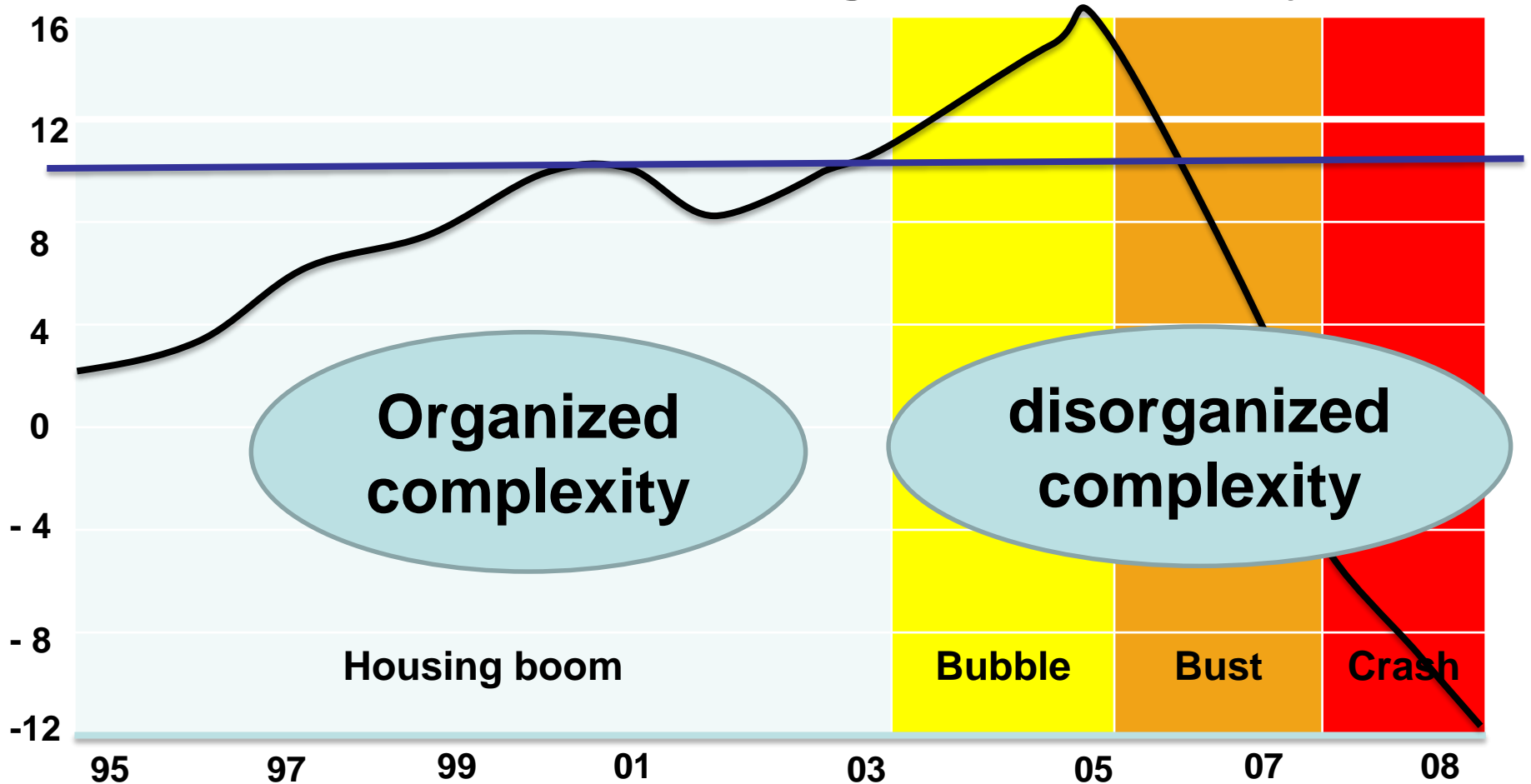
Target II: Clearing  
of Euro-transfers  
via ECB





# Kann man die Krise „sehen“?

House Price Growth; %-change from previous year



# Teilrisiken und systemisches Risiko

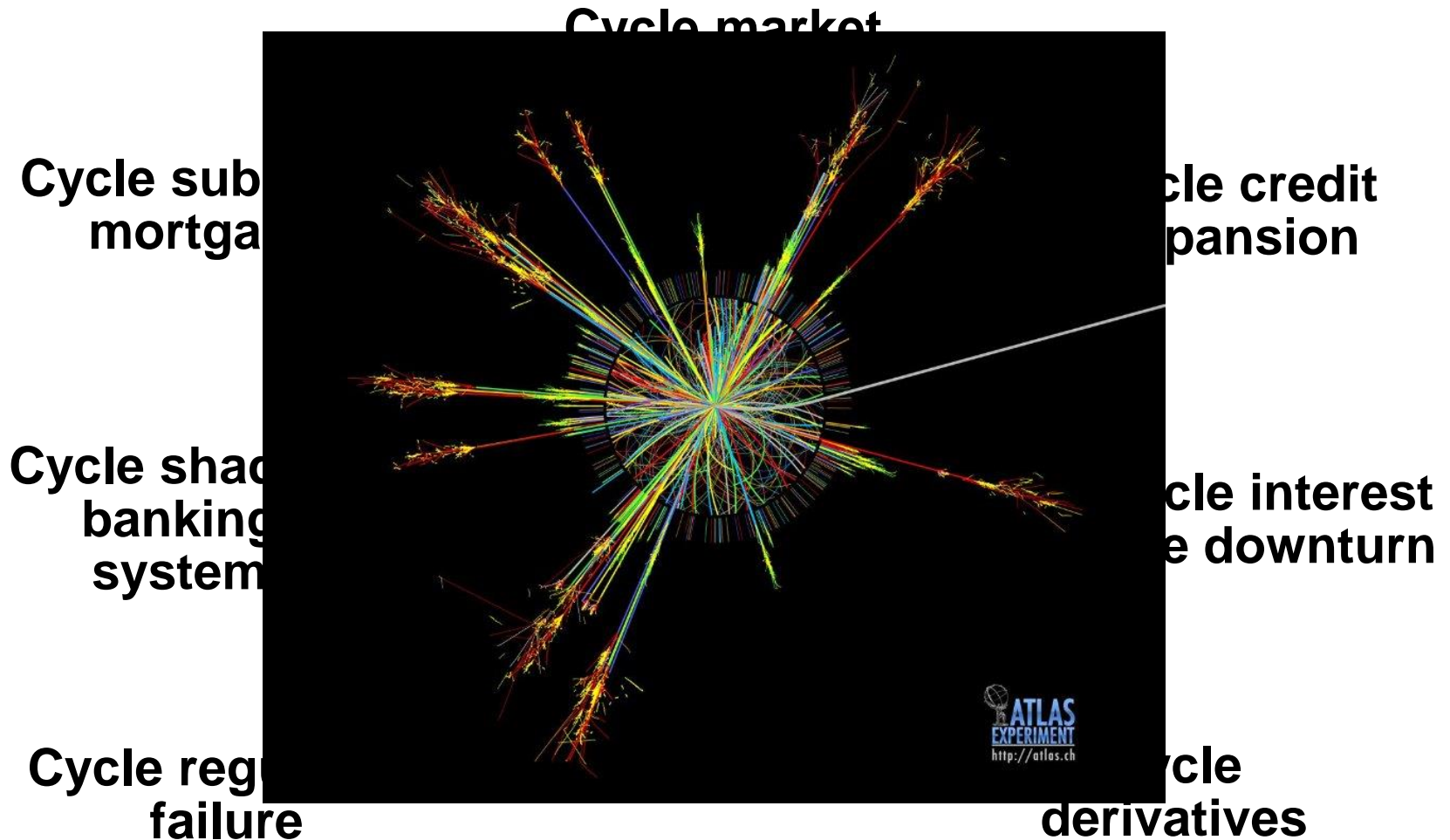
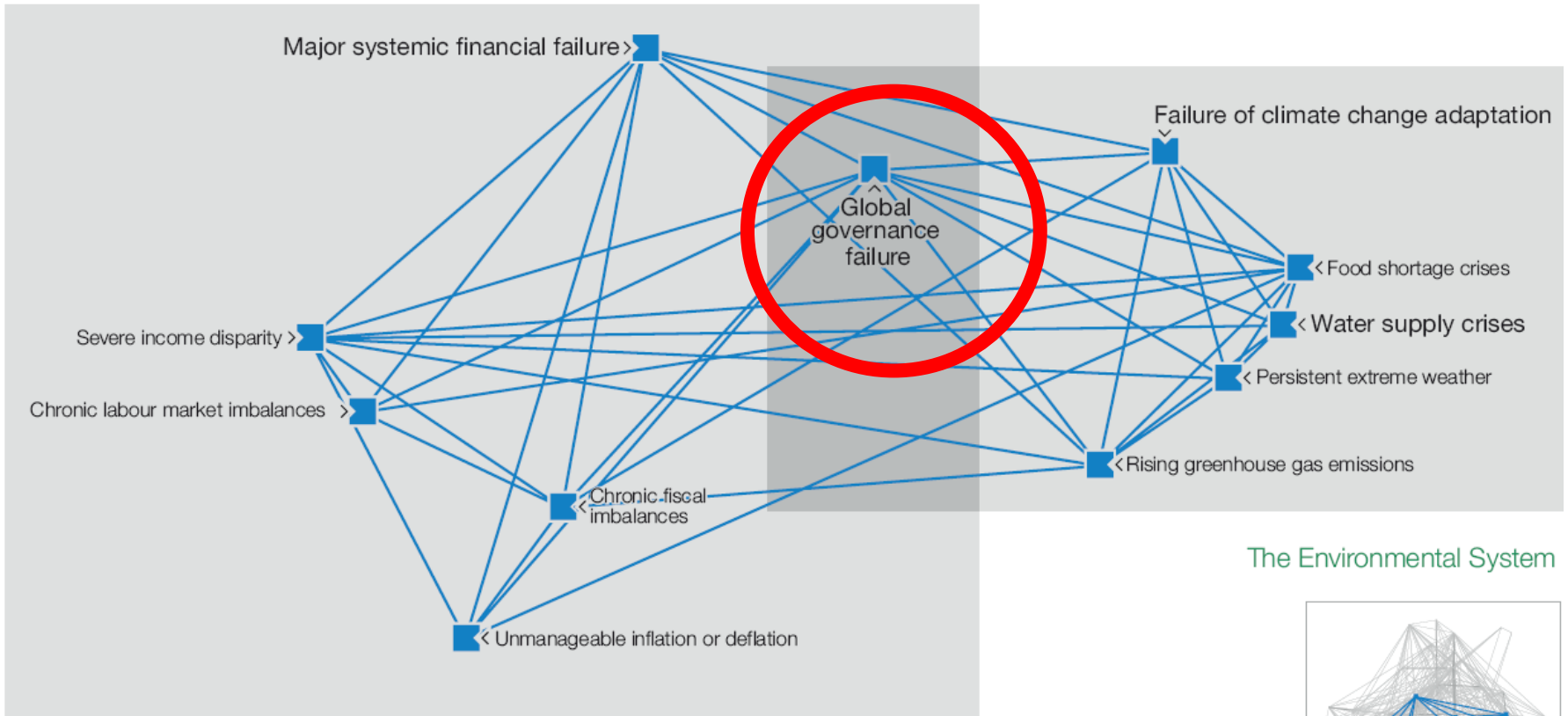


Figure 7: Testing Economic and Environmental Resilience Constellation



The Economic System

The Environmental System

