Wuppertal Institut

COP 21 RIPPLES

A sectoral perspective on strengthening international cooperation

Wolfgang Obergassel (Wuppertal Institut)

Wuppertal Institut

Starting Points

- Potentials and barriers differ strongly among sectors

- Global climate policy is much broader than UNFCCC

Wuppertal Institut

Research Questions

➢ How can we maximise the contribution of international climate governance to climate mitigation (1.5/2°C target)?

    ➢ What do existing institutions contribute? What gaps exist?

    ➢ How can we improve?

➢ We offer criteria/framework for a systematic assessment.
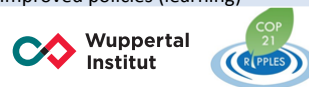
19 June 2019   COP21:RIPPLES Policy Dialogue   Wuppertal Institut

---

Functions of international governance

Functions	Key features	Main added value
Guidance and Signal	• Results from overall agreement, including targets/objectives	• Aligns actors across countries
Setting Rules	• Various forms of obligations and standards	• Harmonises/aligns obligations for actors thereby addressing interdependence & competitiveness concerns
Transparency and Accountability	• Reporting, review/verification, compliance	• Contributes to effective reciprocity and implementation (addressing free riding) & mutual trust
Means of Implementation	• Capacity building, technology transfer and finance (North-South)	• Enhancing capabilities by coordinating donors/investors and reducing transaction costs
Knowledge and Learning	• Generation and collective appreciation of information/knowledge • Science and policy learning	• Improved and shared understanding (authoritative knowledge) • Improved policies (learning)

19 June 2019   COP21:RIPPLES Policy Dialogue   Wuppertal Institut

Analytical Steps

1. Analyse sectoral challenges of and barriers to decarbonization.
2. Assess promise and potential of international governance to address those transformation challenges (governance needs).
3. Assess existing international governance landscape per sectoral system and contribution to governance functions (governance supply).
4. Assess adequacy of international governance supply in response to actual sector-specific governance needs and gap analysis

---
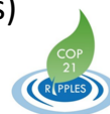
Analysing Sectoral Systems

- Agriculture
- LULUCF
- Waste
- The Circular Economy
- **Power Sector**
- **Energy-intensive Industry**
- **Fossil Fuel Extractive Industries**

- **Land-based Transport**
- **International Aviation/ Shipping**
- Urban Systems/Settlements;
- **Buildings**
- Products and Appliances;
- **Finance and Investment;**
- Industrial Gases (F-Gases)

	Guidance & Signal	Rules & Standards	Transparency & Accountability	Means of Implementation	Knowledge & Learning
Energy intensives					
Finance and Investment					
Buildings					
Extractive industries					
Power Sector					
Aviation & Shipping					
Transport					

- **The global climate regime complex is more than the sum of its parts**
- **We need to transform a patchwork of interdependent complex sectoral systems.**
- **To assess performance of regime complex: focus on sectors and governance functions**

19 June 2019 · COP21:RIPPLES Policy Dialogue

Results I – General Findings

- Reviewed a total of 152 instutions many of which span several sectors
- Governance Landscape looks very different according to sector:
  - power sector and land transport feature a plethora of institutions many of which focus on capacity buidling and knowledge/learning
  - some have few but very central institutions such as international transport (ICAO and IMO)
  - emission intensive industries lack dedicated institutions almost completely

19 June 2019 · COP21:RIPPLES Policy Dialogue

Wuppertal Institut

Results II – Extent to Which Governance Needs are Satisfied

	Guidance & Signal	Ruels & Standards	Transparency & accountability	Means of Implementation	Knowledge & Learning
Finance & Investment	N/A	N/A	N/A	N/A	N/A
Power Sector	medium	medium/low	high	high	high
Energy-intensive Industries	medium/low	low	low	low	low
Fossil Fuel Extractive Industries	low*	low*	low*	low*	low*
Land-based Transport	medium	low	medium	medium	medium/high
International Transport — Shipping	medium	low	medium/low	low	medium/low
International Transport — Aviation	low	medium/low	tbc	tbc	tbc
Buildings	low	low	low	medium	medium

19 June 2019 — COP21:RIPPLES Policy Dialogue

Wuppertal Institut

Many thanks for your attention!

For feedback and questions please get in touch:
wolfgang.obergassel@wupperinst.org

Visit our webpage on global climate governance at
www.wupperinst.org/en/cop

Wuppertal Institut