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# 100 % Future:

Energy Efficiency, Renewables and Grid Expansion  
– Towards a new role of NGOs

**Our Common Future**

**Hannover**

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**2010-11-04**

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## New role of NGOs – from (only) protest to (also) acceptance building

1. Convincing vision and package;
2. Information (science based; understandable; skilled labour ...)
3. Strategic coalitions (states, business, NGO)
4. Legitimacy by procedure
5. Compensation / incentive systems;



# Kampagne 100 Prozent Zukunft



## 1. Convincing Vision and Package

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## Intelligent Climate Policy can Increase:

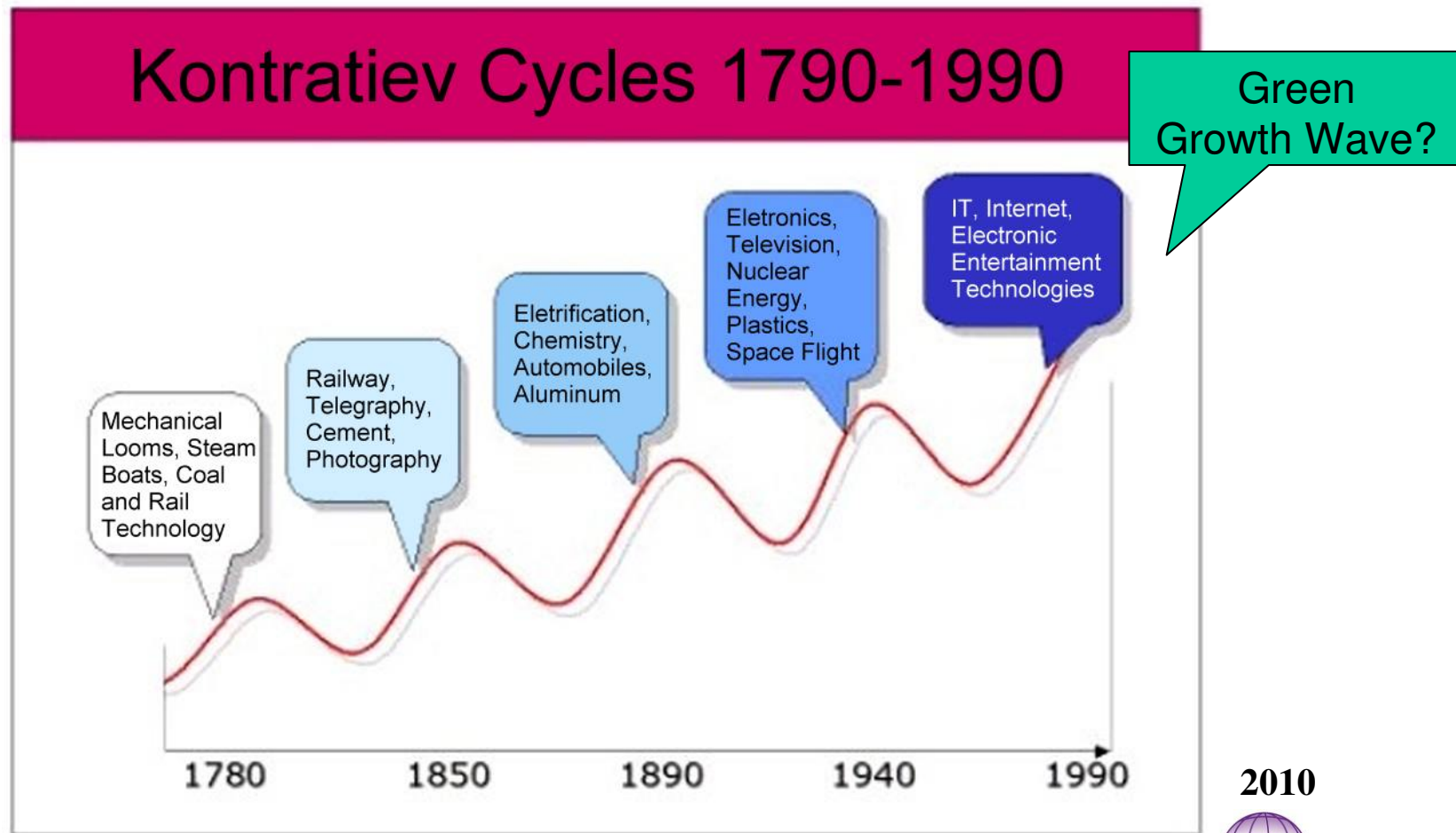
- security
  - energy security, climate security, food & water security
- prosperity
  - jobs, competitiveness, innovation, quality of life
- equity (global and national scale)
  - burden sharing, risk sharing, opportunity sharing

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## "The Package" (Electricity / Germany)

- e.g. Electricity
  - close to 100 percent renewables in 2050 (SuperSmartGrid)
  - decentralist where possible, large scale where necessary
  - strong increase of energy productivity
  - grid restructuring and – extension where necessary;
  - testing CCS – focus: industrial gases, bio mass, coal power of the last ten years;

"... actually rather cheerful in terms of the attractiveness of the route we can follow " (Lord Stern, September 2010)



adapted from: [www.sdi-research.at](http://www.sdi-research.at)



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## Renewable Energy: Growth in Spite of Economic Crisis – The low carbon race has been started

- 2008 /2009: United States and Europe: more renewable power capacity was added than conventional power capacity (coal, gas, nuclear).
- Renewables accounted for 60 percent of newly installed power capacity in Europe in 2009, and nearly 20 percent of annual power production.
- China added 37 GW of renewable power capacity, nearly half of the additional world capacity (80 GW)

(Ren 21, (Janet L. Sawin and Eric Martinot),  
Renewables 2010 – Global Status Report;

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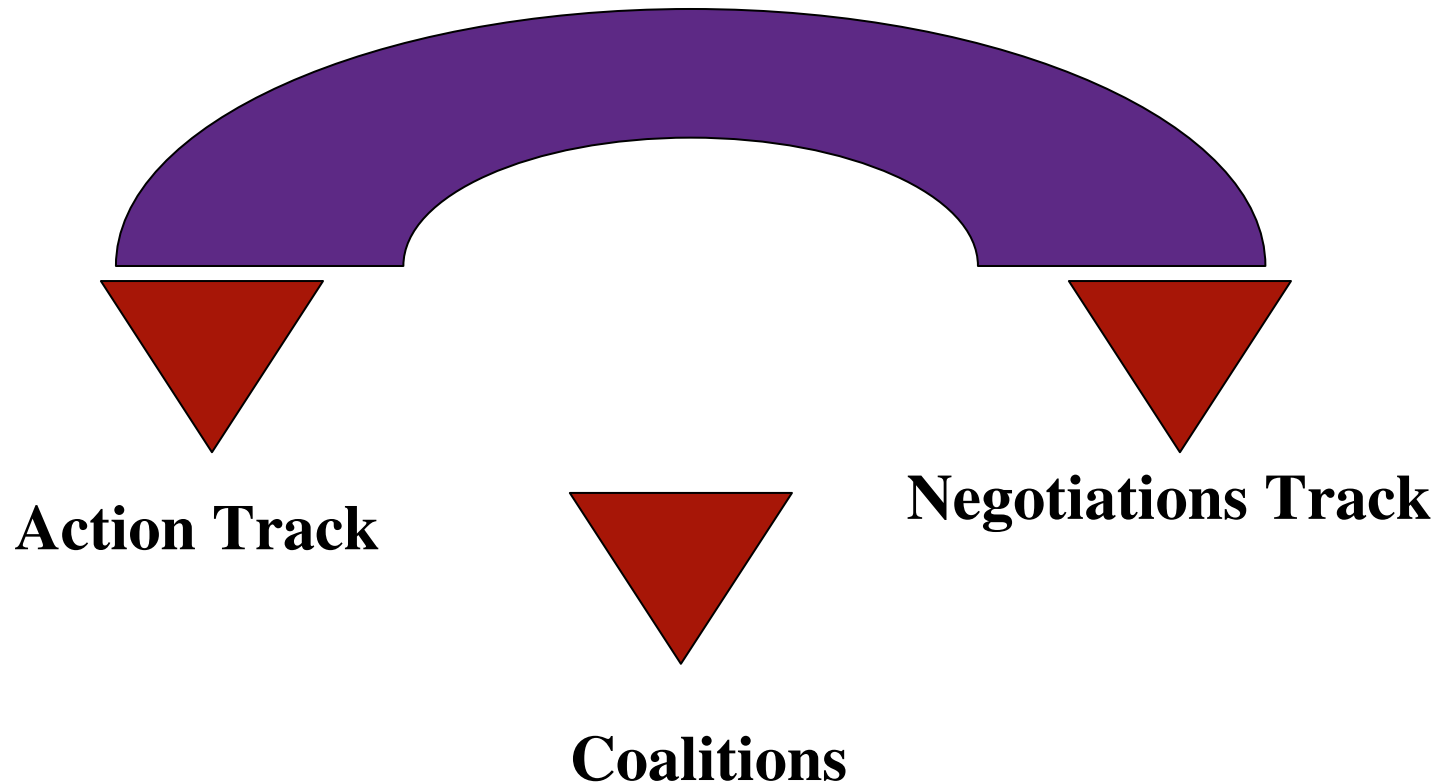
## 2. Information

- science based;
  - Oekoinstitut, Prognos (WWF): „Modell Deutschland Klimaschutz bis 2050“ (2009)
  - ECF: Roadmap 2050
  - SRU, BMU etc.
- comprehensible, understandable;
- inspire: commitment, participation in political processes, readiness for skilled labour;



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## 3a) Strategic Coalitions with Countries



**Low Carbon Prosperity Model**

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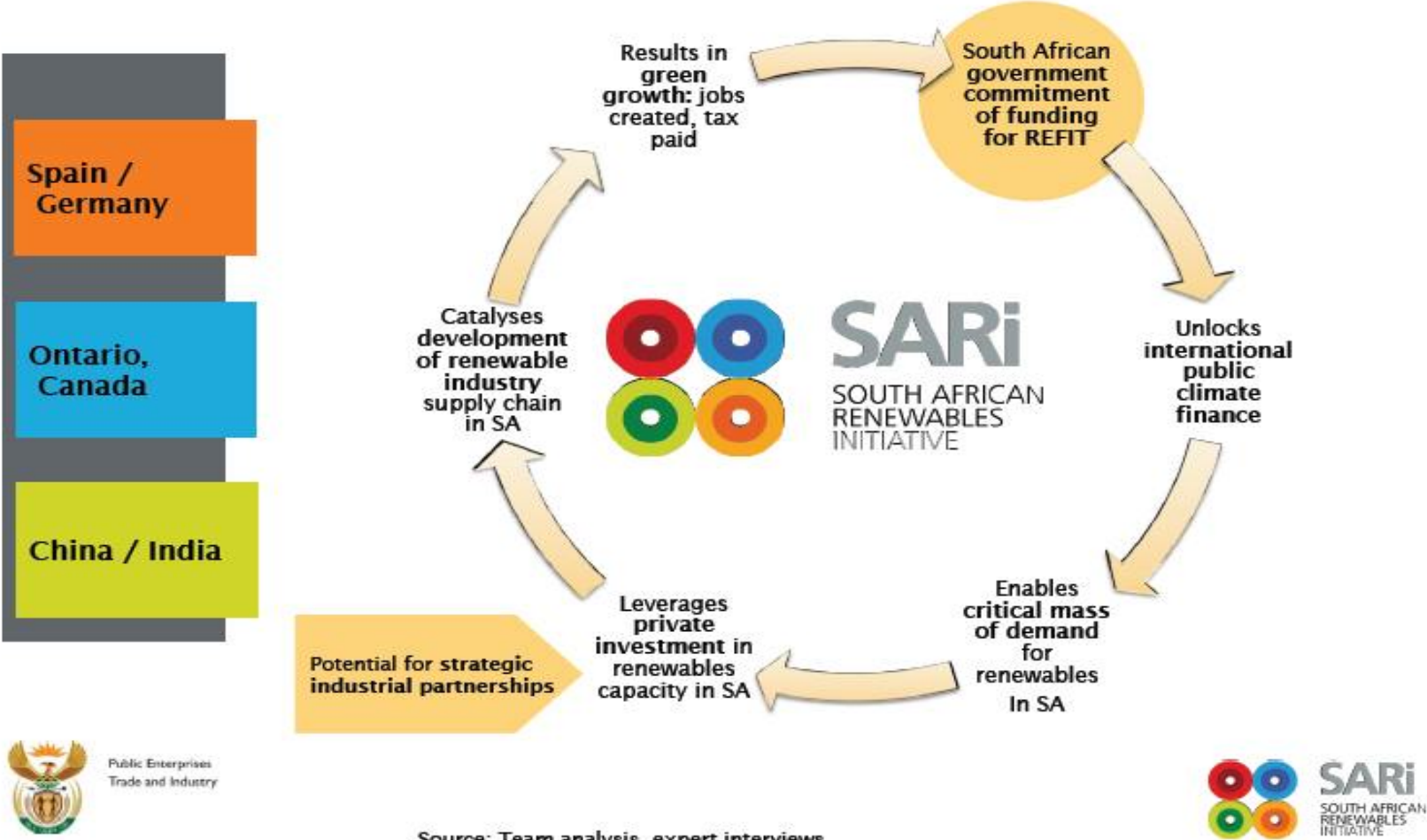
# Co-operation: with Frontrunners and with Emerging Economies

Criteria: Potential for Dynamics, Relevance

- a) Frontrunner Countries
  - a) Cartagena Group/Dialogue for Progressive Action
- b) Most vulnerable countries
  - a) AOSIS, mountain regions, Bangladesh ...
- c) Most relevant Countries
  - a) South Africa / Brazil
  - b) China / India
  - c) Progressive US-States
  - d) United Arab Emirates
  - e) South Korea ...

# South Africa: Interesting Co-operation Option

Unlocking green growth potential



Source: Team analysis, expert interviews

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## **3b Strategic Coalitions with Businesses / relevant Trade Unions**

- Renewables Grid Initiative
- Co-operation with Frontrunner Business

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## 4 Legitimacy by Procedure

- Stuttgart 21 and energy concept as opportunity to reshape decision processes
- speeding up by increased legitimacy not by decreased participation
- two sources of legitimacy: participation and structure to bring best arguments into debate;

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## 5 Compensation / Incentive Systems;

- Acceptance for Wind Power
- Grid Acceptance by Incentives for Transformation
- Acceptance for testing of CCS;

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Thank you !

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