
Oscar Widerberg & Philipp Pattberg

LEDS GP-SNI Webinar, 25 August 2015
Non-state actors on the road to Paris

Lima – Paris Action Agenda

*The fourth pillar*

“The Action Agenda aims at demonstrating the commitment of non-state actors to reaching a new and ambitious legal agreement in 2015”

“It involves both state and non-state actors […] acting as individual entities or in partnerships that go beyond traditional institutional frameworks.”
Groundswell of NSA climate action

Climate Initiatives Platform

Welcome

Welcome to the Climate Initiatives Platform, a new online portal for collecting, sharing and tracking information about International Climate Initiatives. Use the links above to browse or search the existing data.

The platform is currently in beta release (beta2) and will be available on a regular basis. Please provide feedback on amendments and improvements.

Number of ICs in Database
183

Participants
20764

Newly added

OEWSA - Gestión Energética S.A. E.S.P.
Columbia
Improve energy efficiency, reduce carbon footprint and report publicly and annually on progress.

Valencia
Uruguay
Reduce CO2 emissions from government operations by 20% from 2010 to 2020.

Copenhagen
Denmark
Reduce community-wide CO2e emissions by 20% from 2005 to 2015.

Almería
Portugal
Reduce greenhouse gas emissions, report publicly and annually on progress and support the impacts of climate change.

Catholic Super
Australia
$50-100m USD invested in green buildings in Australia.

El Corto Impán
Italy
Improve energy efficiency, reduce carbon footprint and report publicly and annually on progress.
Can NSAs bridge the mitigation gap?

Even if pledges are fully implemented, the emissions gap in 2020 will be 8–10 Gt-\(\text{CO}_2\text{e}\) per year (UNEP, 2014)

Estimated mitigation potential from companies and sub-national authorities: 2.9 Gt-\(\text{CO}_2\text{e}\), with a range of 2.5–3.3 Gt-\(\text{CO}_2\text{e}\) (UNEP, 2015)

Increase in state, non-state and multistakeholder initiatives

New institutions 1973 - 2014

Global climate governance architecture

The climate governance triangle

- **PUBLIC**
  - IRENA
  - UNFCCC
  - KP
  - GMI
  - CEM
  - TCR
  - ENEG
  - Energy Cities
  - Climate Alliance
  - GLOBE
  - ICLEI
  - MEP
  - UN REDD
  - Solar Cities
  - Solar Cities
  - CCU
  - CSG

- **Hybrid**
  - CUD
  - INCR
  - TCG-MP
  - BLCCP
  - CAC
  - CTI PFAN
  - CDF
  - CTSC
  - BCF
  - PCF
  - GGF

- **PRIVATE**
  - Carbon Neutral
  - IETA
  - CEF
  - CGF
  - VCS
  - IRENA
  - CSG

**Notes:**
- 1 Standards & Commitments
- 2 Operational
- 3 Information & Networking
- 4 Financing

IVM Institute for Environmental Studies
Number and type of actors
CITIES AND REGIONS

- Geographical distribution -
  - Important actors -
  - Commitments -
Geographical distribution of cities and regions
Cities and Regions: Important actors
### Cities and Regions: Commitments

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**Emission reduction level shaded according to %**

- 10
- 20
- 30
- 40
- 50
- 60
- 70
- 80
- 90
- 100
Cities and Regions: Commitments

- 4 out of 13 city networks have quantitative commitments which are, at best, on par with national commitments

COMPANIES

- Geographical distribution -
- Sectoral distribution -
- Important actors -
- Commitments -
- Disclosure -
Companies: Geographical distribution

Geographical distribution of company HQs

- UNITED STATES
- JAPAN
- UNITED KINGDOM
- BELGIUM
- GERMANY
- FRANCE
- SWITZERLAND
- CANADA
- NETHERLANDS
- ITALY
- Unknown
- CHINA
- SPAIN
- AUSTRALIA
- SOUTH AFRICA
- NORWAY
- MEXICO
- AUSTRIA
- SWEDEN
- SINGAPORE
- FINLAND
- UNITED ARAB EMIRATES
- RUSSIAN FEDERATION
- POLAND
- PORTUGAL
- IRELAND
- HONG KONG
- TURKEY
- THAILAND
- PHILIPPINES
- NEW ZEALAND
- ITALIAN
- INDIA
- COLOMBIA

1Distribution of HQs from companies part of networks in our sample
Companies: Sectoral distribution

## Companies: Important actors

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<tr>
<th>Company</th>
<th>Sector</th>
<th>Total CO2 emissions</th>
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<tr>
<td>1. RWE AG</td>
<td>Multiline Utilities</td>
<td>167200000</td>
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<td>2. E.ON SE</td>
<td>Electric Utilities &amp; IPPs</td>
<td>120700000</td>
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<td>3. ENEL S.p.a</td>
<td>Electric Utilities &amp; IPPs</td>
<td>115690000</td>
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<td>5. Tokyo Electric Power Company Inc.</td>
<td>Electric Utilities &amp; IPPs</td>
<td>109100000</td>
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<td>6. Holcim</td>
<td>Construction Materials</td>
<td>102100000</td>
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<td>7. Shell International Ltd.</td>
<td>Oil &amp; Gas</td>
<td>83000000</td>
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<td>8. EDF Trading</td>
<td>Multiline Utilities</td>
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<td>10. Xcel Energy</td>
<td>Electric Utilities &amp; IPPs</td>
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<td>11. Chevron</td>
<td>Oil &amp; Gas</td>
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<td>12. BP</td>
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<td>20. Fortum Power and Heat</td>
<td>Electric Utilities &amp; IPPs</td>
<td>22000000</td>
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Overview stats for companies in our sample

- Emissions total 2.1 Gt CO₂ (Direct + Indirect)
- Estimated yearly emissions full sample 8.4 Gt CO₂
- Accounts for about 24 % of global emissions at 2014 levels
Companies: Commitments

NAZCA - overview

- 1157 commitments in total
- 661 unique companies registered
- 379 absolute, quantitative, time-bound, targets (32.7%)

[Charts showing proportions of qualitative vs. quantitative commitments, no-time vs. time-bound commitments, and intensity vs. absolute vs. other types of commitments]
Companies: Disclosure

25% of data-set includes reports on CO₂ emissions

Multistakeholder partnerships

- Geographical distribution -
- Important actors -
- Lessons learned -
Multistakeholder partnerships: Geographical distribution

**Location HQ/Secretariat (n = 15)**
- Switzerland: 4
- United States: 3
- France: 3
- Austria: 2
- Norway: 1
- Italy: 1
- China: 1

**Host (n = 15)**
- Norwegian MoFA: 1
- FAO: 1
- IUCN: 1
- WB: 1
- United Nations: 1
- Independent: 5
- UNEP: 5
Central actors
- UK, Germany, Japan, NL
- WWF, TERI, WRI
- UNEP, European Commission
Multistakeholder partnerships: Lessons learned

Partnership output related to publicly stated goals and ambitions

- 24%: Partnerships show no activities at all
- 38%: Output does not match with self-reported function
- 26%: Some of the output matches with self-reported function
- 12%: All of the output matches with self-reported function

Fig. 1 Partnership output related to publicly stated goals and ambitions (Source Pattberg et al. 2012 and own calculations)
Potentials and challenges with NSA climate action

+ **Potential:** Large share of global GHG emissions
+ **Innovation:** Dynamic, innovative and experimental actors
+ **Recording:** Several registries available

- **Ambition:** Diverging ambition levels
- **Compliance:** Weak monitoring and reporting
- **Accounting:** Various accounting frameworks

= **Transparency:** To identify progress and avoid green-washing
= **Additionally:** To bridge the emissions gap
= **Representation:** To ensure fair, equitable and efficient solutions
Many thanks!

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www.fragmentation.eu