

India, Brazil and South Africa submit their INDCs ahead of 1st of October Informals Deadline.

Brazil, India, Indonesia, South Africa and more than other 50 Parties submitted their Intended Nationally Determined Contributions (INDCs) to the United Nations Framework Convention on Climate Change (UNFCCC) ahead of the informal deadline of October. World's top-10 GHG emitters (bar Iran and Saudi Arabia) have already communicated their pledges towards COP21, to be held later this year in Paris. The cards are therefore already laid on the table, but what to expect from them?

Mimicking China's target, **India** has put forward a relative target, and aims to cut its carbon intensity per unit of GDP by -33%/35% relative to 2005 levels. On the other hand, it is notable and praiseworthy that **Brazil** has pledged a 37% reduction by 2025 in comparison to 2005 emissions. This would mean to go back to its 1990 levels, making a remarkable effort to develop the economy in a low carbon scenario. Unfortunately, other countries such as **South Africa**, have not established a specific reduction target. Instead, it pledges to "peak, plateau and decline GHG emissions trajectory range".

Taking into account all the data available, estimations of the biggest GHG emitters indicate that emissions by 2030 will not be reduced in comparison to world's 1990 levels, but will actually increase in more than 75% (See Graph Historical GHG Emissions vs. 2030 Pledges, TOP GHG Emitters). Negotiators and policymakers will need, therefore, to work hard to try to achieve COP21's success, which would result in a universal and binding climate treaty for the post-2020 period.

Factor CO₂'s INDC update

In the run-up to the Twenty-first Conference of the Parties (COP21) of the UNFCCC, Factor CO₂ assesses the post-2020 of pledges made by Parties. In this fifth issue, Factor CO₂ provides an overview of the pledges of the 10 biggest GHG country emitters.

Most of the INDCs establish 2030 national mitigation goals in absolute terms, in comparison to past (1990, 2005) or foreseen GHG levels (BaU 2030). However, some Parties have expressed their mitigation goal with reference to relative targets, such as carbon intensity targets (China, India, Chile) or per-capita emissions (Armenia, Israel, Kyrgyzstan).

In order to estimate the global emissions reduction, Factor CO₂ first estimates the GHG emission by 2030 in absolute terms, and then identifies Party's absolute GHG emissions in 1990. The difference between the two values is the percentage of global reduction by 2030 compared to 1990 levels. (See table of INDC Mitigation Pledges as Communicated by Parties)



TABLE: INDC MITIGATION PLEDGES AS COMMUNICATED BY PARTIES (updated on the 1st of October 2015)

Country	Type of pledge	Target	Reference	1990 MtCO ₂ e	2012 MtCO ₂ e	2030 MtCO ₂ e est.	Δs/1990 MtCO ₂ e
China	CO ₂ /GDP [1],[2]	-60% / -65%	2005	3,218.45	10,684.29	12,516.04	288.88%
United States	GHG [2]	-26% / -28%	2005	5,743.98	5,822.87	5,365.65	-6.59%
European Union (28)	GHG	-40%	1990	4,630.47	4,122.64	2,703.00	-40.00%
India	CO ₂ /GDP [1],[2]	-33% / -35%	2005	1,212.02	2,887.08	9,691.97	699.65%
Russian Federation	GHG [2]	-25% / -30%	1990	2,564.00	2,254.47	1,858.90	-27.50%
Japan	GHG	-26%	2013	1,116.38	1,207.30	1,042.00	-6.66%
Korea, Rep. (South)	GHG	-37%	Bau 2030	261.49	661.39	535.88	104.93%
Iran				263.27	711.88		
Canada	GHG	-30%	2005	681.93	856.28	524.30	-23.11%
Saudi Arabia				187.52	526.97		
Top 10				19,436.72	28,496.32	34,317.83	76.56%
World				33,280.60	47,598.55		
% Top 10				58.40%	59.87%		

NOTES

[1] China and India have pledged carbon intensity targets. 2030 GHG emission figures are based on unofficial GDP forecasts and have a high degree of uncertainty
 [2] All estimates have been made taking into account the lower figure of the range

Sources: CAIT-Climate Data Explorer (<http://cait.wri.org/>) & UNFCCC (<http://www4.unfccc.int/submissions/indc/Submission%20Pages/submissions.aspx>)

HISTORICAL GHG EMISSIONS vs. 2030 PLEDGES, TOP GHG EMITTERS



NEXT STEPS



INDC STATUS:

- ⇒ Submitted INDCs: 119
- ⇒ Parties represented: 147
- ⇒ Global GHG emissions % covered by Parties which already submitted: 91.41%
- ⇒ Expected GHG variation compared to 1990 with the submitted INDCs: At least 53%