

# “Flawed” climate data threatens Paris accord

Potent, climate warming gases are being emitted into the atmosphere but are not being recorded in official inventories – a key provision of the Paris climate deal – according to a BBC investigation

## MAIN GREENHOUSE GASES

(Percentage of global emissions)

### CARBON DIOXIDE (CO<sub>2</sub>)

**China:** Refused to accept in 2007 that it had become world's largest CO<sub>2</sub> emitter. One error in China's statistics in 2013 amounted to 10 percent of global emissions, according to 2015 Nature report

### METHANE (CH<sub>4</sub>)

**India:** Degree of uncertainty means emissions could be plus or minus 50 percent of data submitted

**Russia:** Emissions subject to uncertainties of between 30-40 percent

### NITROUS OXIDE (N<sub>2</sub>O)

**India:** Degree of uncertainty for submitted data plus or minus 100 percent

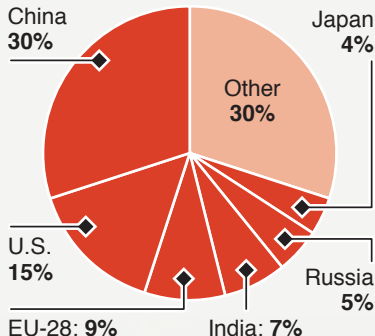
### FLUORINATED GASES (F-gases)

**Italy:** Levels of HFC-23 – 14,800 times more damaging than CO<sub>2</sub> – estimated at 60-80 tonnes per year. Italian emission inventory says two to three tonnes per year

**China:** Emits 10,000-20,000 tonnes per year of carbon tetrachloride – refrigerant and solvent damaging to ozone layer and banned in Europe

## TOP CO<sub>2</sub> EMITTERS (2014)

From fossil fuel combustion and some industrial processes\*



\*Represents large proportion of total global CO<sub>2</sub> emissions. Estimates exclude emissions related to changes in land use

