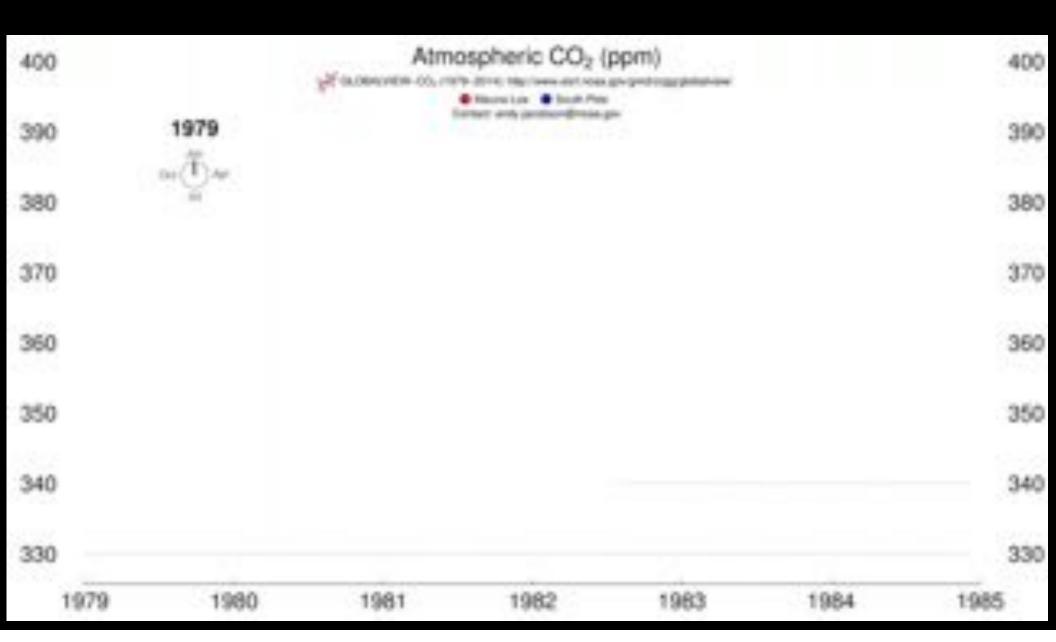
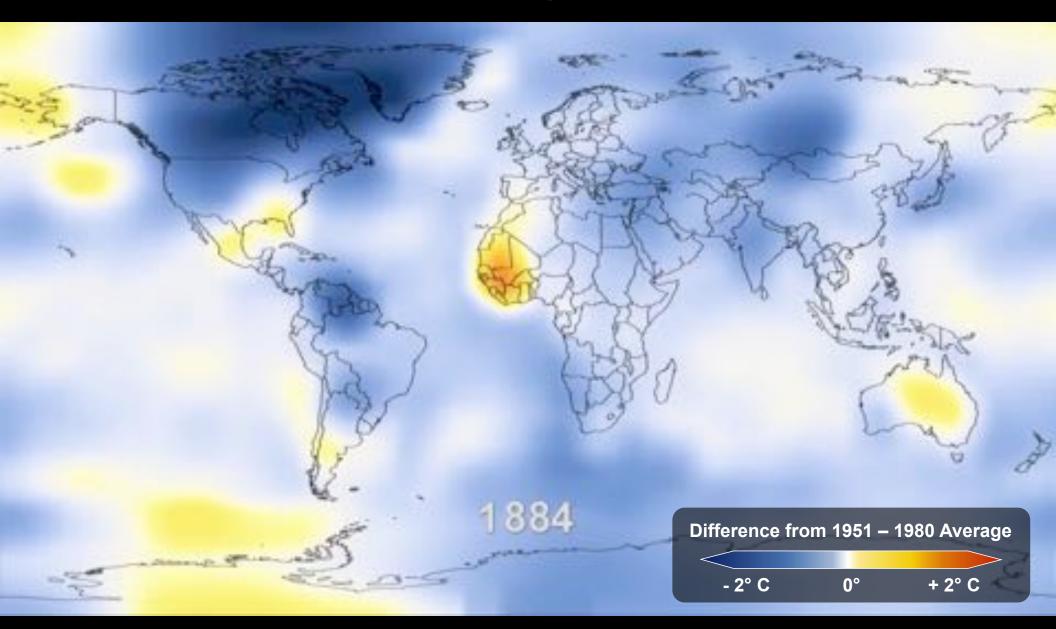
# Climate Change From Planet to Port Townsend

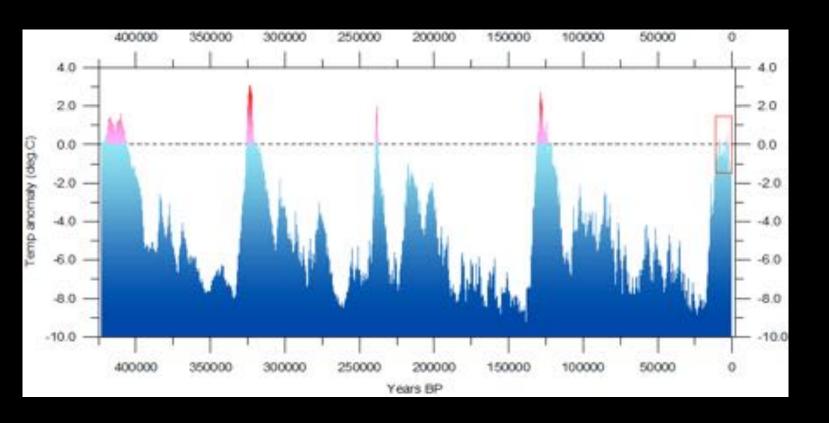
Tonight: Planet

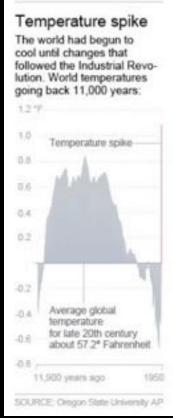
# Atmospheric CO2 levels over the past 800,000 years



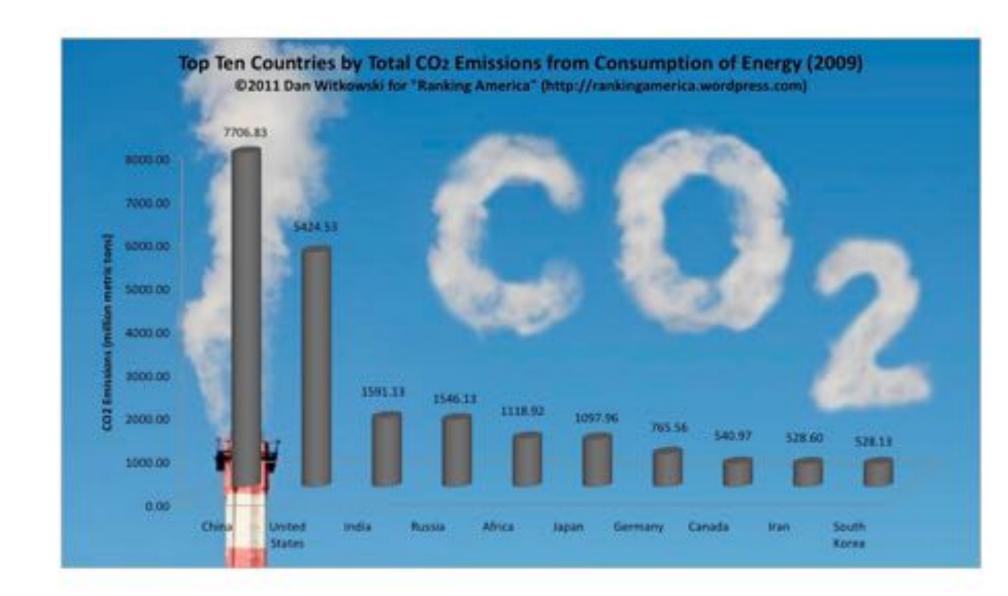
# **Global Warming**, 1884 – 2011



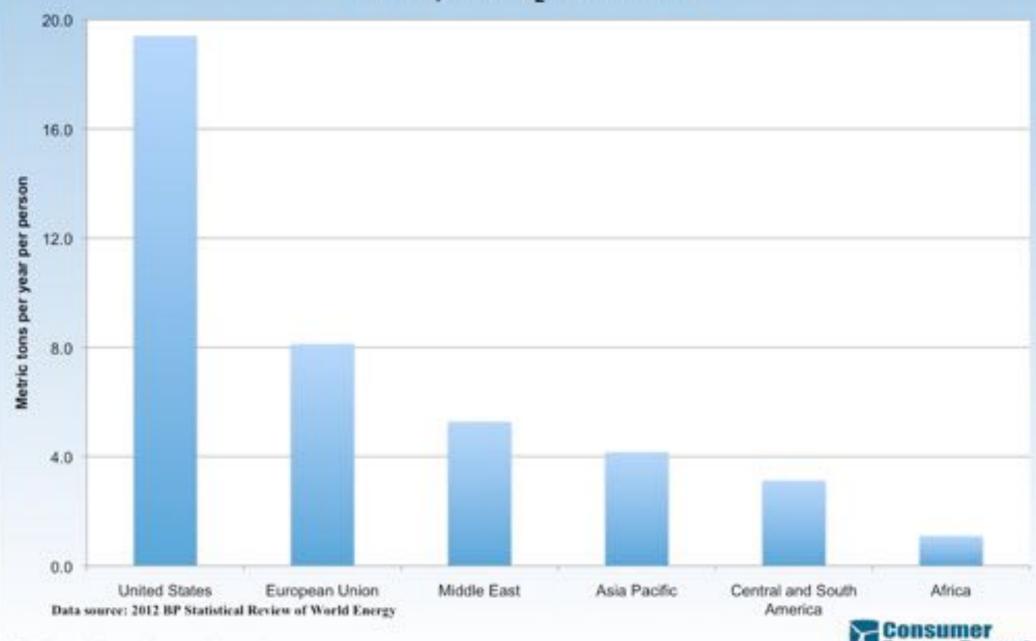




A new study looking at 11,000 years of climate temperatures shows the world in the middle of a dramatic U-turn, lurching from near-record cooling to a heat spike.







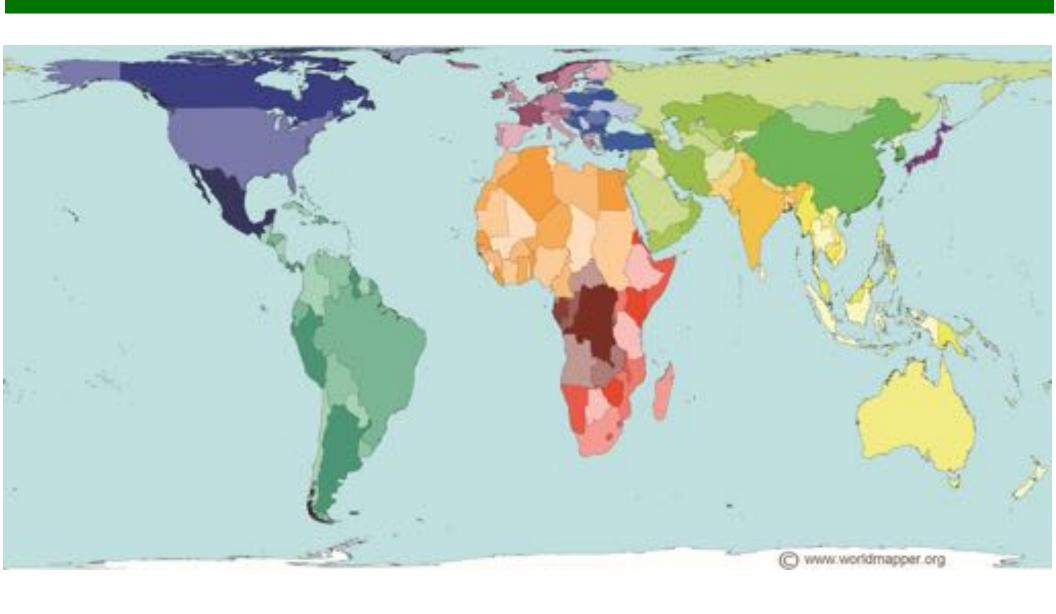


### Why we can make a HUGE difference:

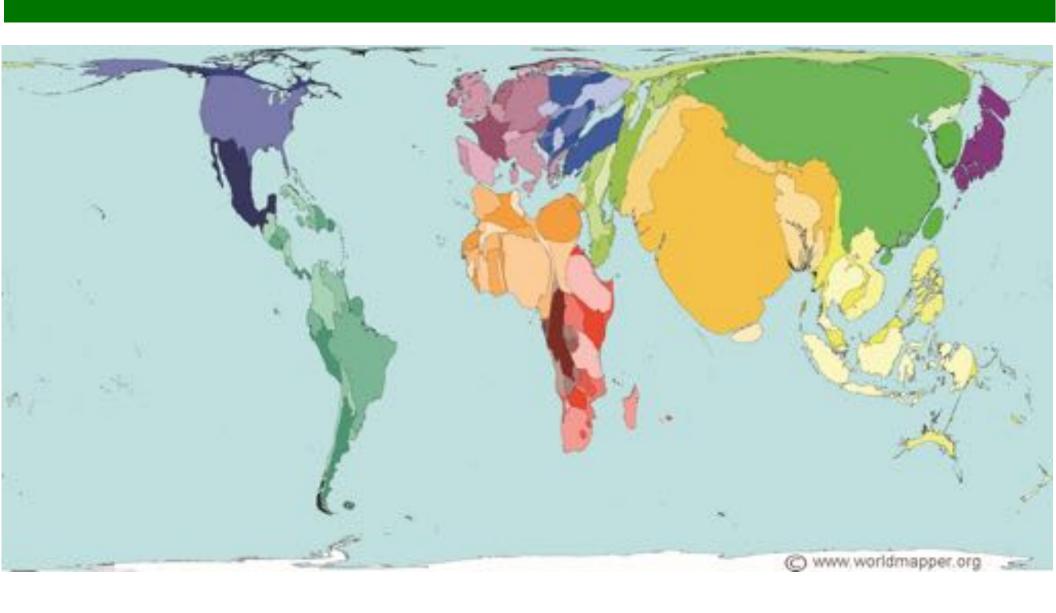
- we have less than 5 percent of the global population
- we consume 25 percent of the world's coal
  26 percent of the world's oil
  27 percent of the world's natural gas

By changing a little, we can change a LOT!!

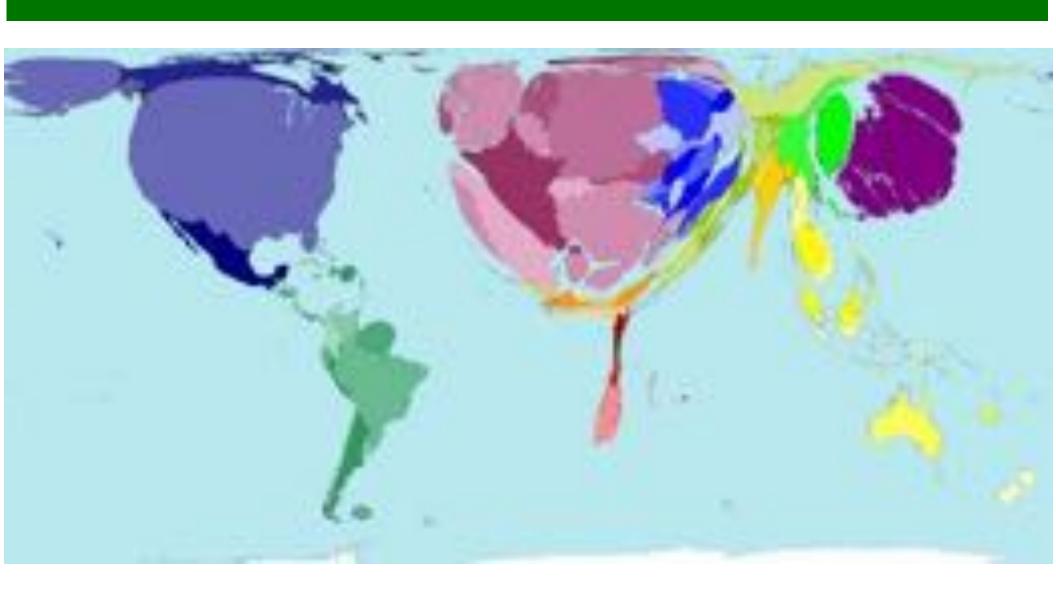
# The World



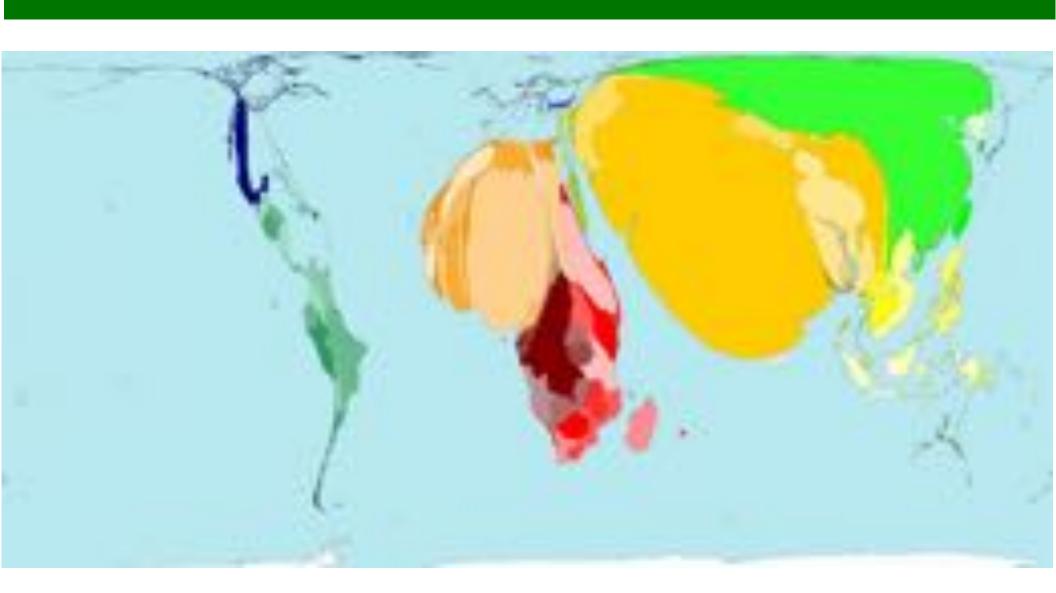
# The world in terms of population



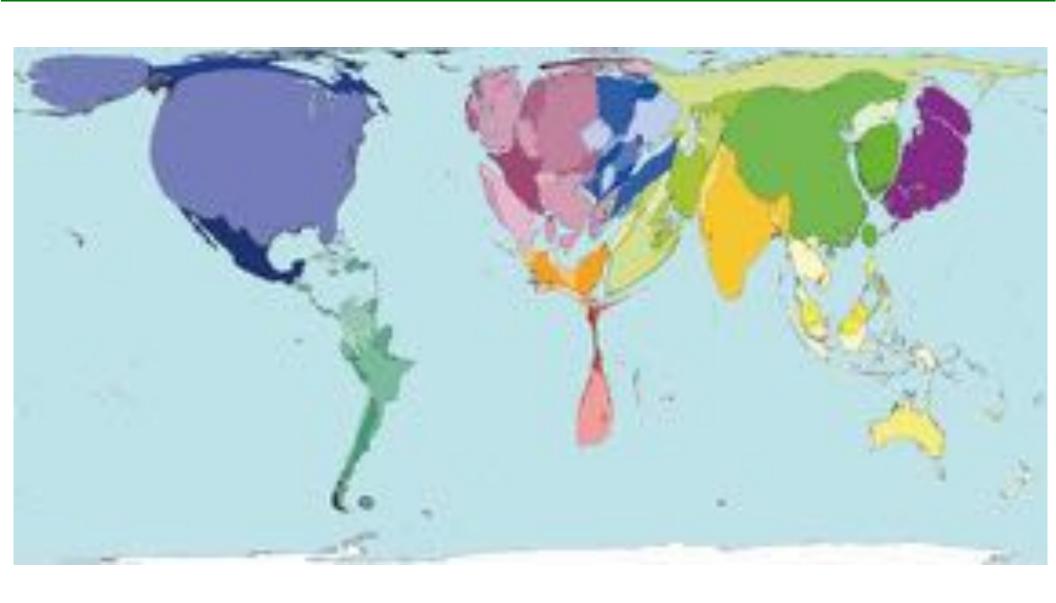
# ... in terms of automobiles



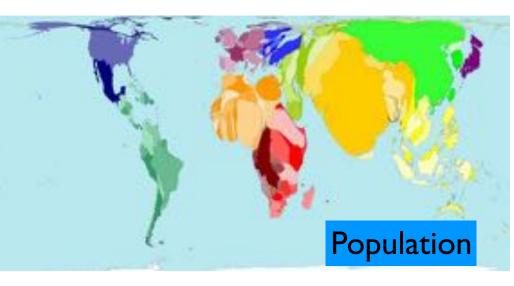
# People living on < \$1 per day



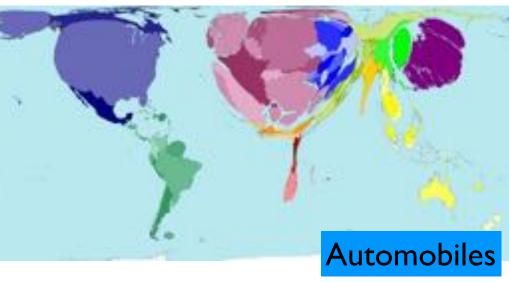
# ... in terms of CO<sub>2</sub> emissions

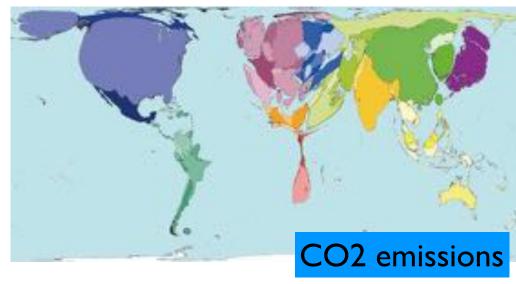


# Compare for yourself!

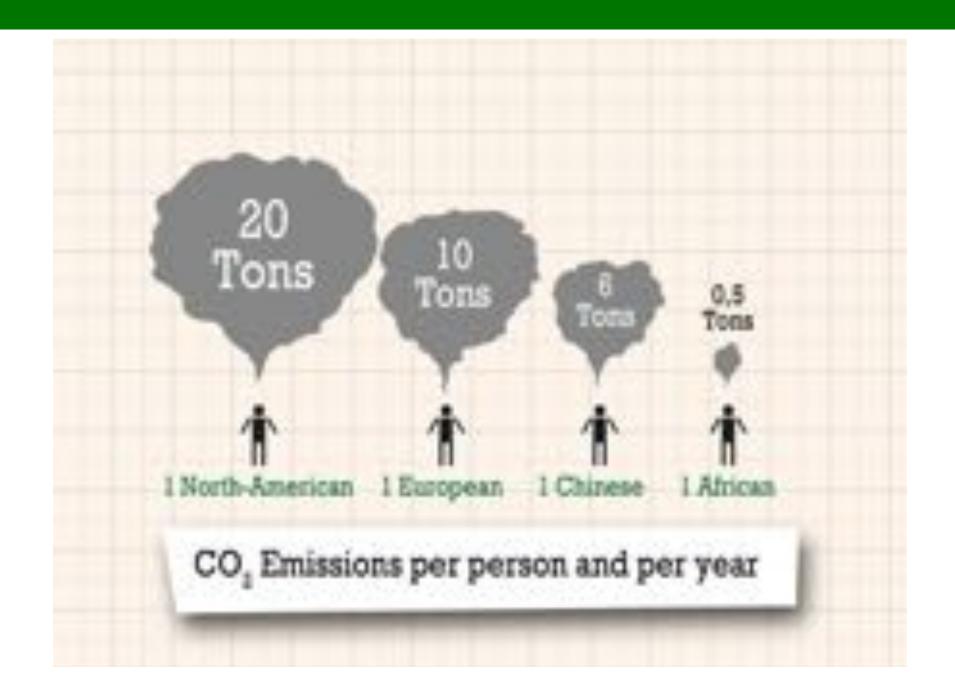




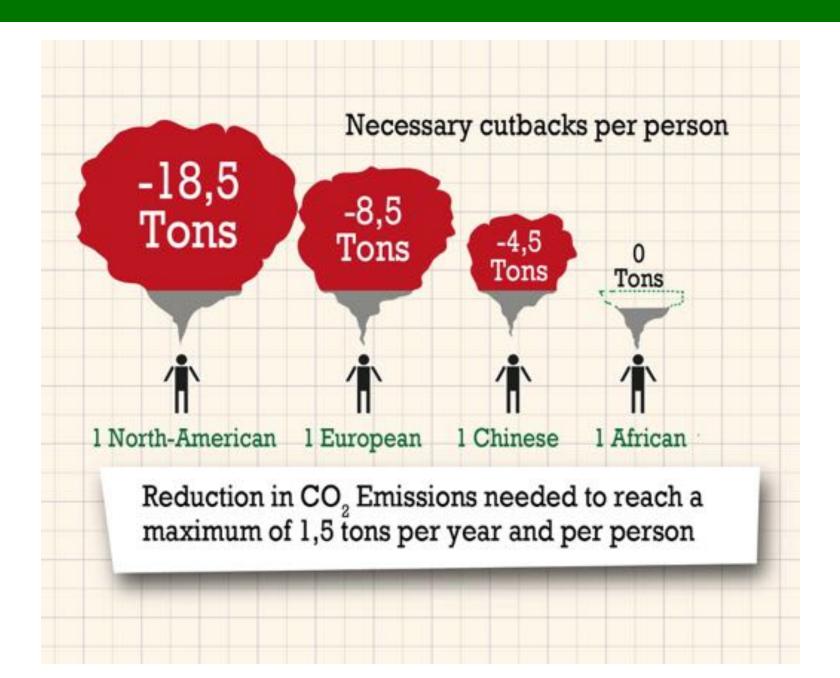




# CO<sub>2</sub> emissions per person



# Necessary cutbacks per person



# Documents informing international actions

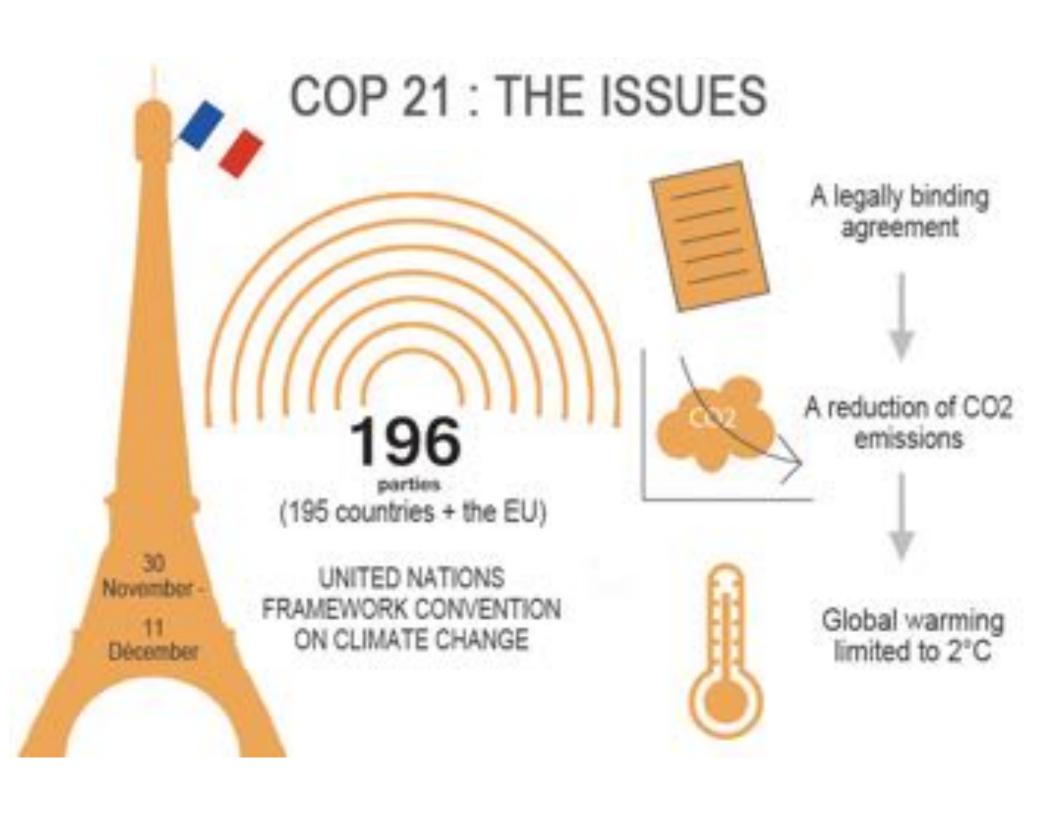


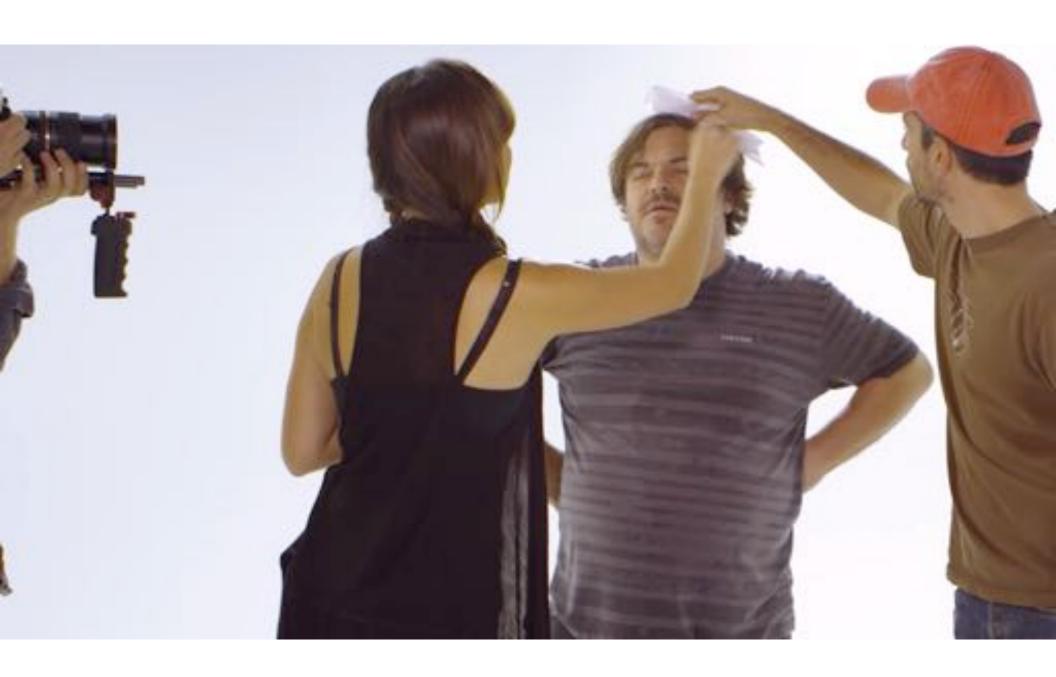
# Reflections on COP21

Laura Tucker & Hank Walker







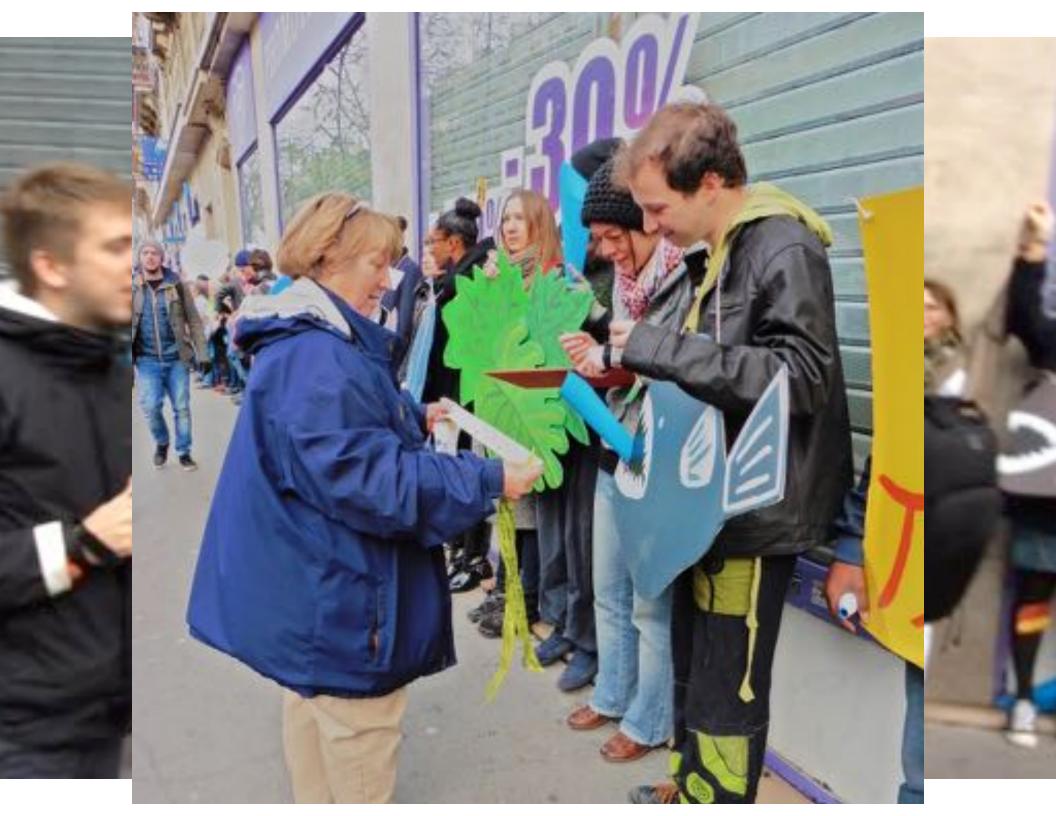












& Paris climate action

Climate Summit for Local Leaders DECEMBER 4TH 2015 - PARIS

# Cities4Climate















oh-th.

www.edfenr.com/smartflower

### La production d'1 JOURNÉE de smartflower correspond à :

- · 7 douches chaudes avec chauffe-eau
- 17 lavages de lessive
- 50 tasses de thé pour se réveiller ou se détendre
- 100 kilomètres de promenade verte dans un véhicule électrique.

#### 1 DAY of smartflower equals to:

- · 7 hot showers with continuous flow water heater
- · 17 wash loads of laundry
- 50 cups of tea for waking up or relaxing
- 100 kilometers of clean driving in your electric car

### Day 1, November 30, 2015

### Heads of State from 195 countries convene





We are the first generation to feel the sting of climate change, and the last one to do anything about it.

Governor Jay Inslee

### The conference!

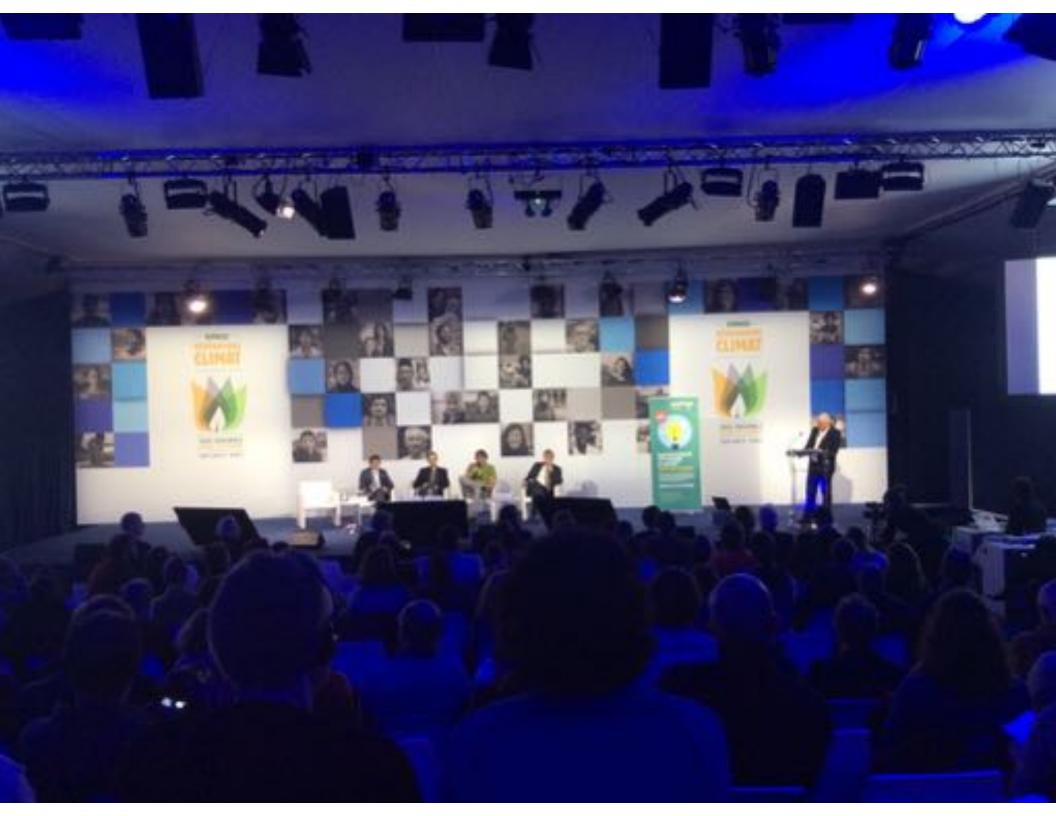














IF WE DON'T ACT.
WHO WILL

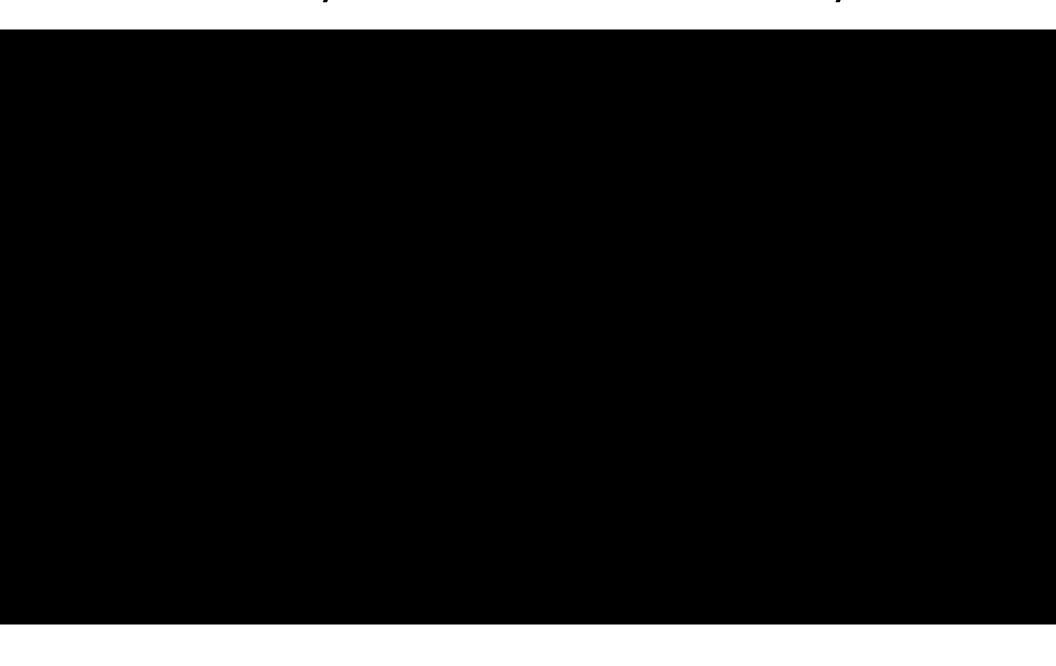
coalition climat

## Meanwhile, in the Blue Zone ...



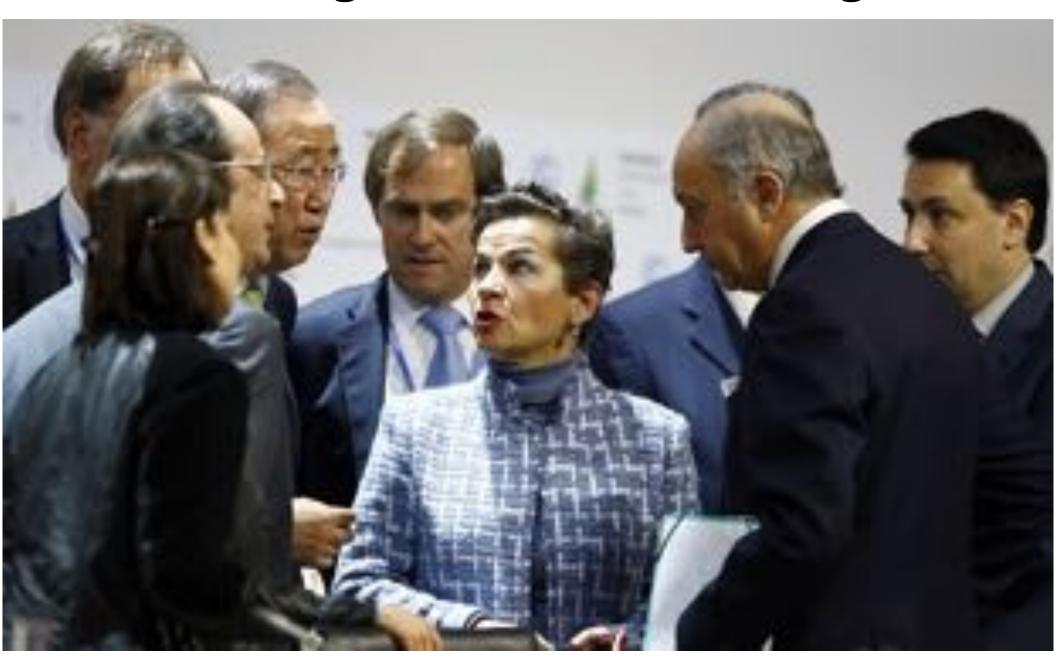


### Saturday, December 5th - Action Day!





#### One of the driving forces behind the Paris agreements



Christina Figueres, UN Climate Change Official

with Ban Ki Moon and other officials at COP21 in Paris

Saturday, Dec. 12, 196 nations signed a first-ever climate change agreement!











"For the first time, every country in the world has pledged to curb emissions, strengthen resilience and join in the common cause to take common climate action."



## COP21 draft is signed at the UN!





## SYSTEM CHANGE NOT CLIMATE CHANGE



# Reasons for Hope on an international level



### Congratulations COSTA RICA! the country is set to go 100% RENEWABLE BY 2021









If a 14-year-old boy can build a working windmill from a broken bicycle to power his village in Malawi, we can solve the climate crisis

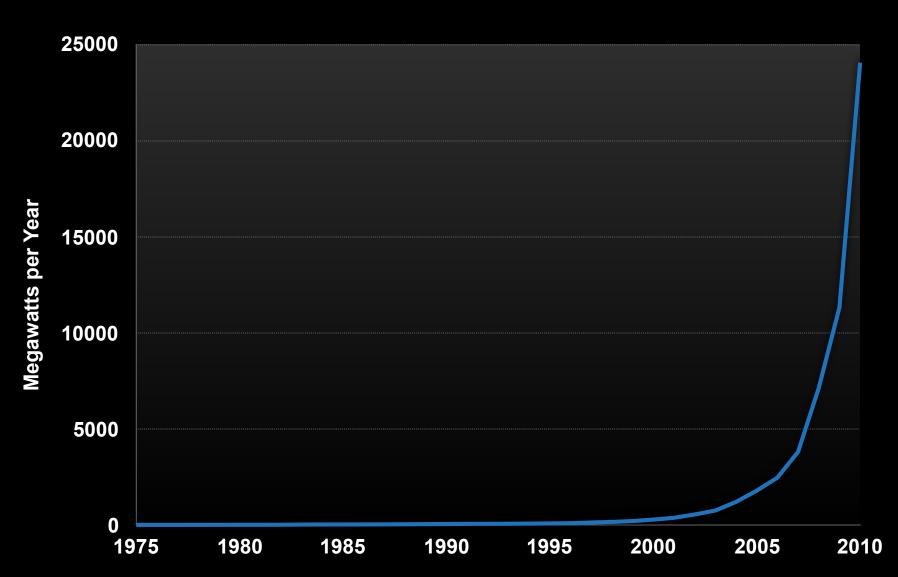






#### **World Solar Photovoltaics Production**

**Annual Production 1975 – 2010** 



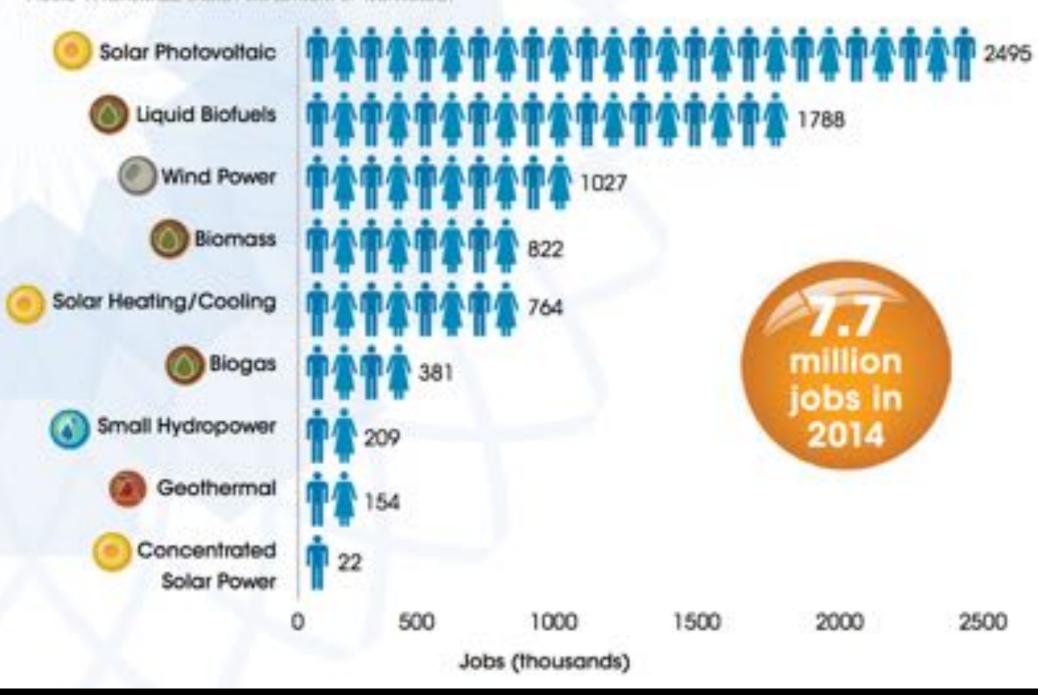
2014

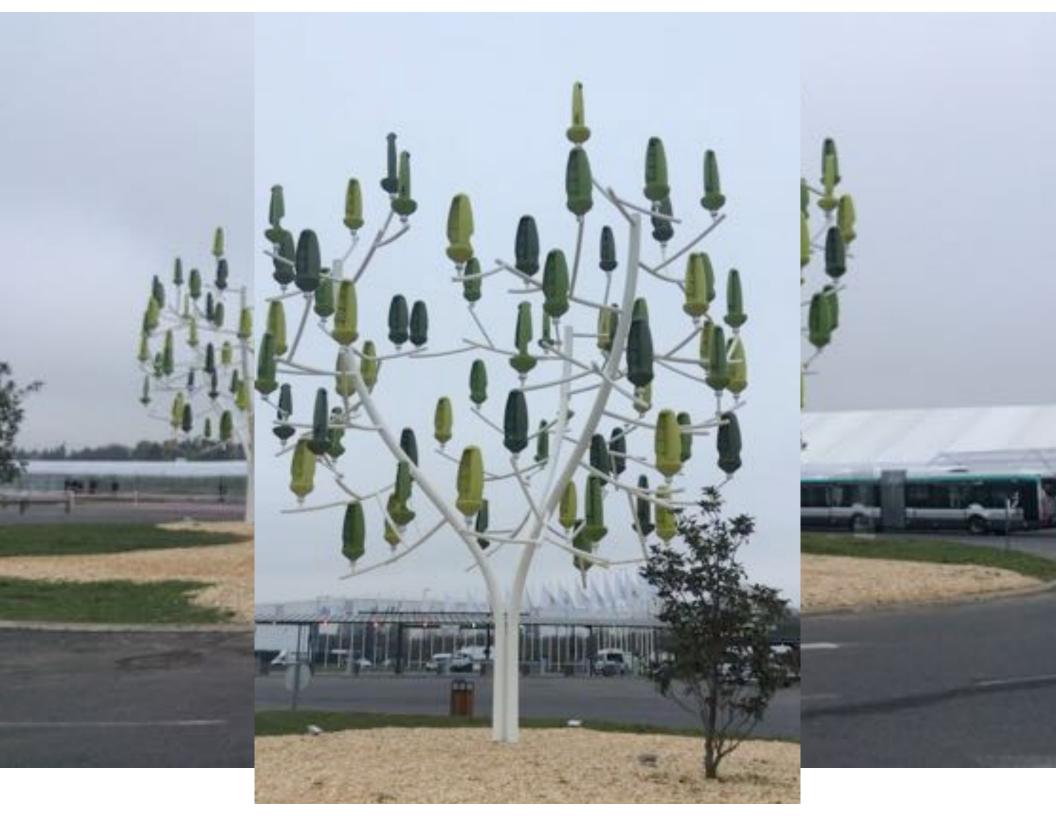
#### Worldwide Growth of Photovoltaics Cumulative Capacity in Megawatts [MW<sub>p</sub>] Grouped by Region<sup>[1]-17</sup> 200,000 -150,000 4 100,000 4 50,000 \$ 2010 2014 2006 2008 2012 Asia-Pacific Емпре Americas China Rest of the world Middle East and Africa

#### Recent and Projected Capacity (MWg)

Year-end	2010	2011	2012	2013	29145	2015g
Cumulative	40,336	70,469	100,504	138,856	180,000	234,000
Annual	17,151	30,133	30,011	36,352	40,000	54,000
Growth p.a.	134%	76%	0%	20%	. 5%	35%









### April 13, 2016

#### **December 12, 2016**

