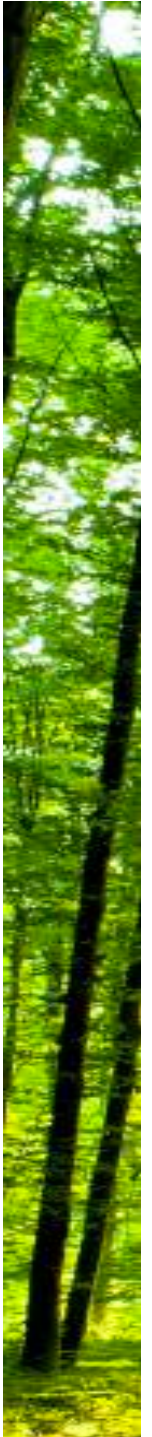


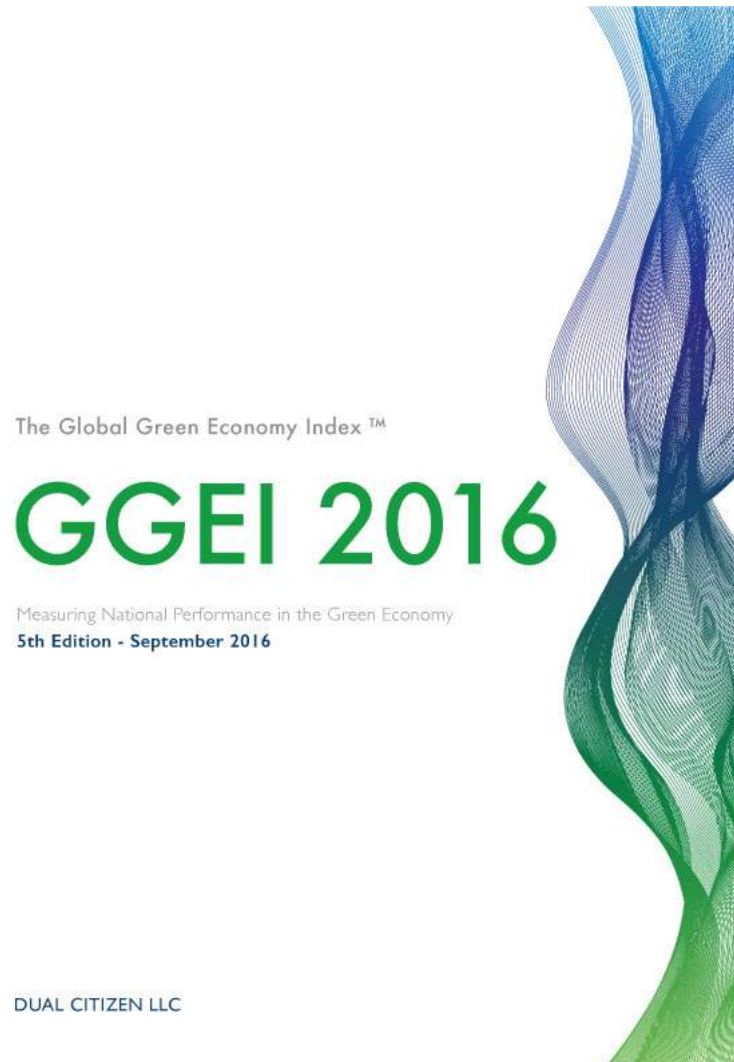
# STATI GENERALI DELLA GREEN ECONOMY

November 8, 2016

DUAL CITIZEN



# GLOBAL GREEN ECONOMY INDEX™ (GGEI)



- A global index published since 2010 ranking 80 countries and 50 cities in the green economy
- Measures both national performance and how expert practitioners perceive it
- Reporting to the Stati Generali on Italy's green economic performance and the strength of the Italian green brand

## NATIONAL → SUB-NATIONAL

- Why sub-national action is more important than ever to combatting global climate change
- How companies are starting to lead the way in promoting sustainability and purchasing renewable energy
- Ways that cities are on the forefront of innovation around energy & resource efficiency

AND WHY *ITALY IS SO WELL POSITIONED TO SEIZE UPON THESE AREAS TO PROMOTE FUTURE GREEN ECONOMIC GROWTH*

## HEAD OF STATE



## MEDIA MESSAGING

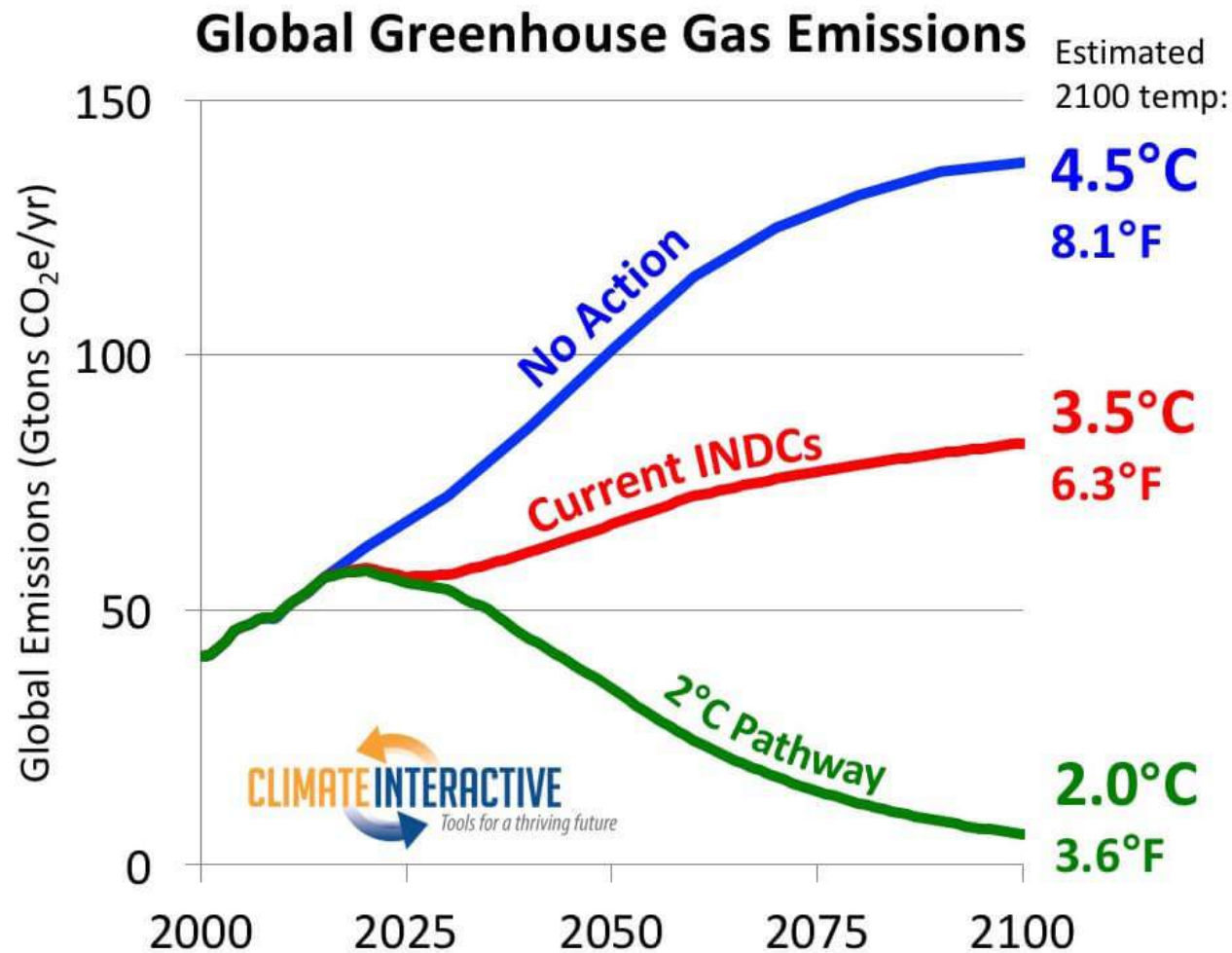




# INTERNATIONAL FORUMS



# A NEED FOR “BOTTOM UP” ACTION



27 October 2015, [www.ClimateScoreboard.org](http://www.ClimateScoreboard.org)

## “BOTTOM-UP” ACTION - STUDENTS

Students and university communities can be effective platforms for activism and the integration of green economy to formalized study





## “BOTTOM-UP” ACTION - NGOs

NGOs are building data platforms to empower citizens and policy makers to understand land use patterns and deforestation



# “BOTTOM-UP” ACTION - INVESTORS

Investors – you and me, employee pension funds, religious organizations, and philanthropic foundations - can impact capital flows to environmentally responsible targets

## ESG

### Environmental

Waste & Pollution   Resource Depletion  
Greenhouse Gas Emission   Deforestation  
Climate Change

### Social

Employee Relations & Diversity  
Working Conditions   Local Communities  
Health & Safety   Conflict

### Governance

Tax Strategy   Executive Remuneration  
Donations & Political Lobbying  
Corruption & Bribery   Board Diversity & Structure

# COMPANIES & GREEN ECONOMY



Figure 4: Large companies must prioritize sustainability reporting to the CDP and similar initiatives. As this graphic illustrates, most companies in countries highly reliant on fossil fuel exports have yet to demonstrate this commitment. Source: CDP.

# COMPANIES & GREEN ECONOMY

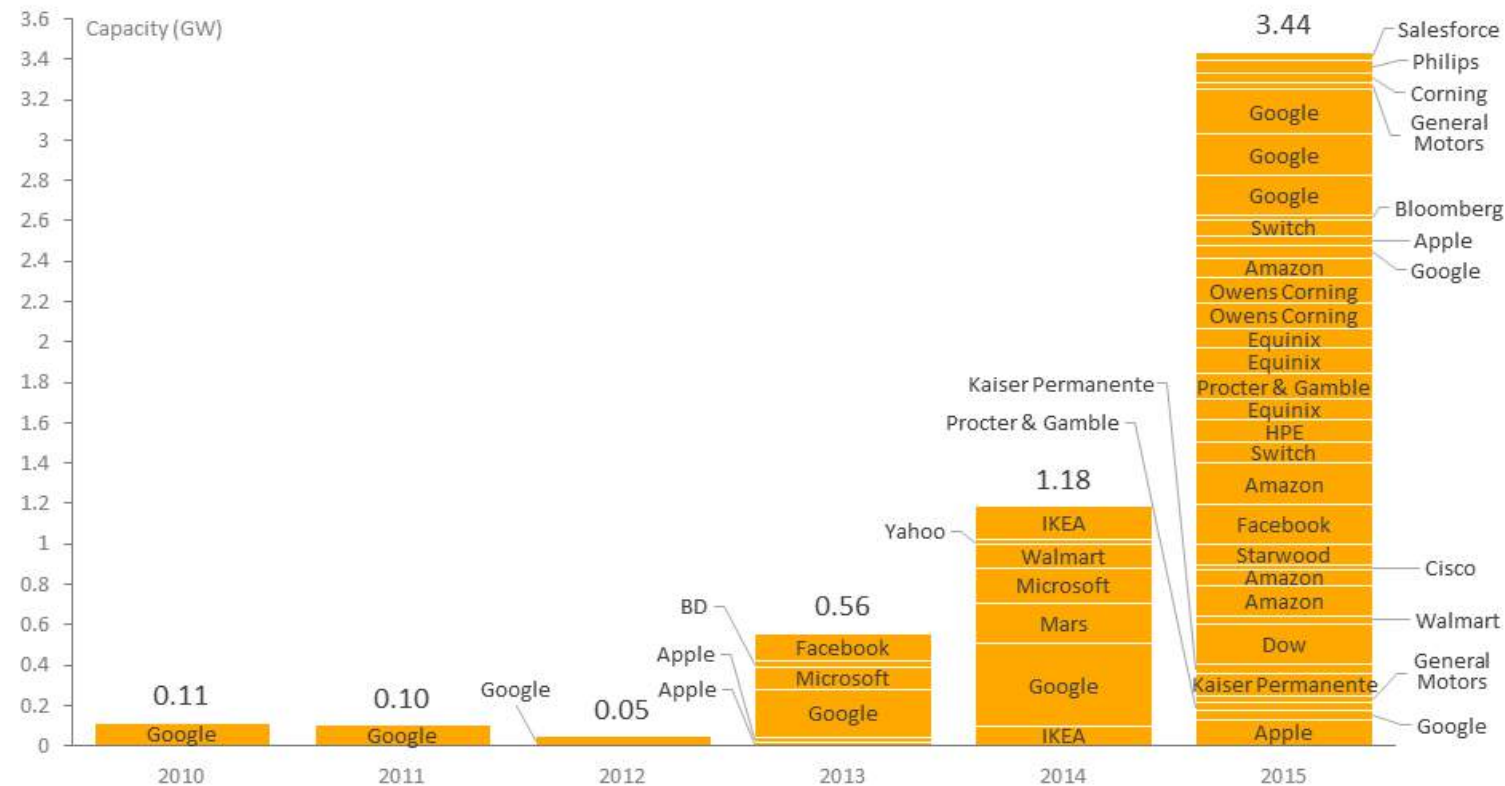
- Some divergence between overall performance of countries on the GGEI and the commitments of largest companies in these countries to corporate sustainability
- For example, largest companies in the U.S., South Korea, Australia are becoming large consumers of renewable energy and aggressively reducing their emissions and natural capital “footprints”
- Corporate reporting to platforms like CDP and CDSB are becoming commonplace and will provide robust data to analyze corporate efforts in the next few years



# COMPANIES & GREEN ECONOMY



## Corporate Renewable Deals 2010 – 2015



Publicly announced contracted capacity of corporate Power Purchase Agreements, Green Power Purchases, Green Tariffs, and Outright Project Ownership in the United States and Mexico, 2010 – 2015. Excludes on-site generation such as rooftop solar PV. Last updated: January 12, 2016.

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For more information, please visit [http://www.rmi.org/business\\_renewables\\_center](http://www.rmi.org/business_renewables_center) or contact [BRC@RMI.org](mailto:BRC@RMI.org)



# COMPANIES & GREEN ECONOMY

Italy's largest companies are already actively reporting climate and supply chain data to CDP and Italy ranks in top 10 globally on corporate sustainability



INTESA  SANPAOLO



CLIMATE  
REPORTING



SUPPLY CHAIN  
REPORTING



# COMPANIES & GREEN ECONOMY

Collective action by SMEs to achieve incredible results: RE100 -> 100 companies commit to doubling energy productivity by year 2030 -> save 170 million tons of co2 emissions

## WHAT IS ENERGY PRODUCTIVITY?

IT'S ABOUT MAXIMIZING EACH UNIT OF ENERGY FOR GREATER ECONOMIC OUTPUT - OR DOING MORE, WITH LESS.

**BUSINESSES** CAN IMPROVE ENERGY PRODUCTIVITY BY INVESTING IN ENERGY EFFICIENT TECHNOLOGIES AND PRACTICES TO REDUCE EMISSIONS AND COSTS...

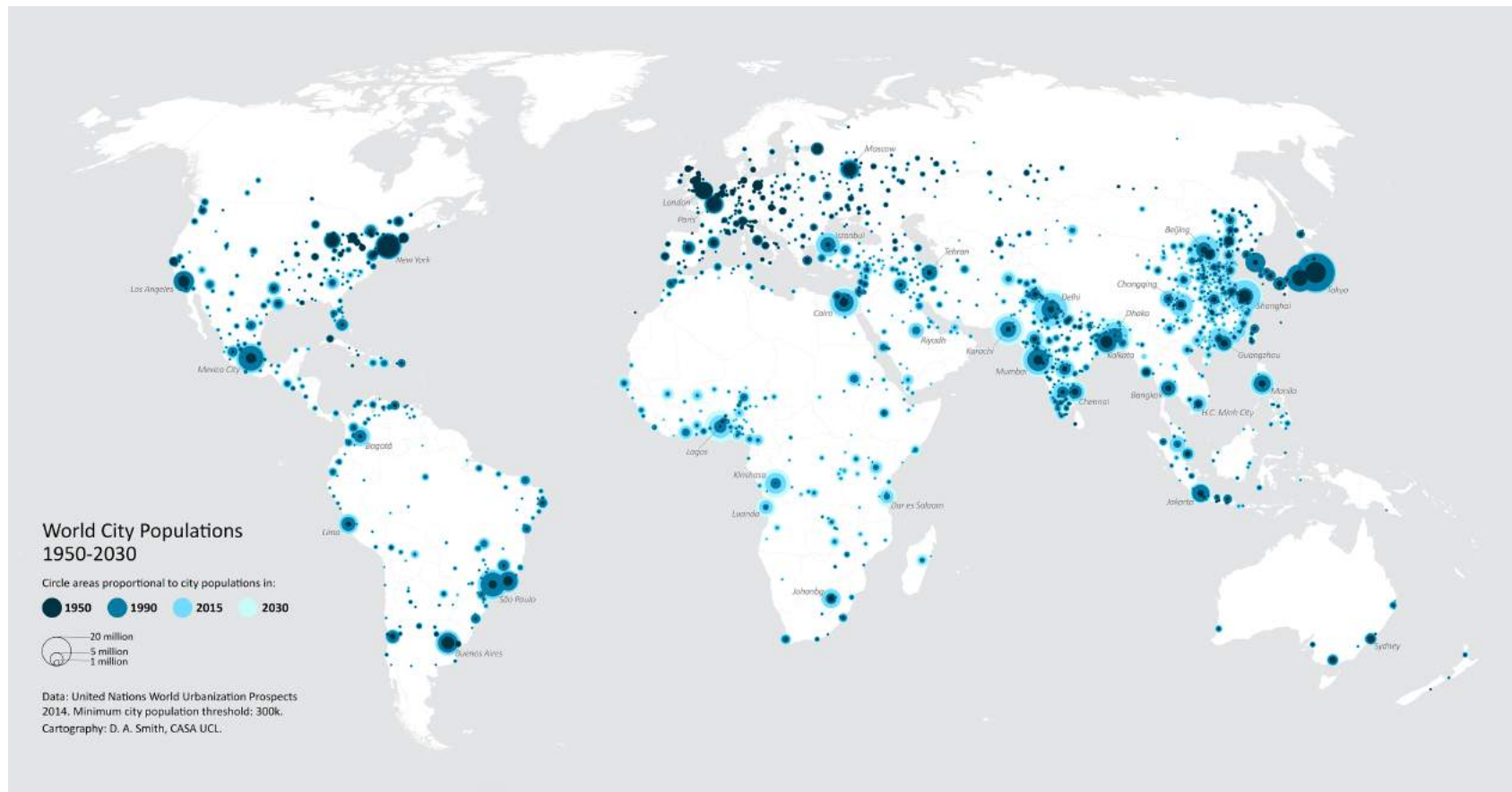


FOR EXAMPLE



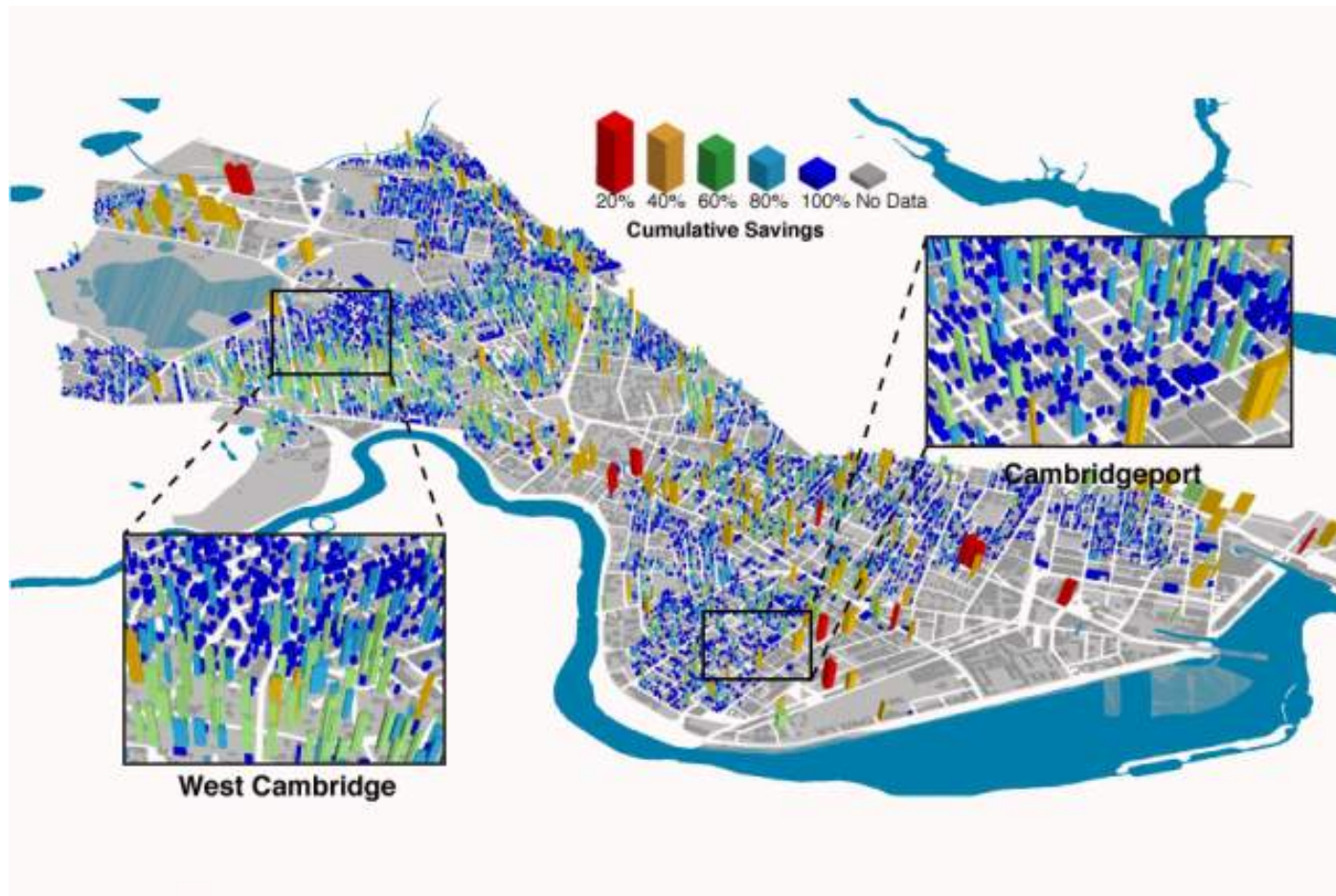
# CITIES & ENERGY EFFICIENCY

Cities are 3% of land surface, 60% of global population in 2030, 60-80% of GHG emissions + 80% of global GDP



# CITY BUILDINGS & ENERGY EFFICIENCY

MIT-based buildings data project enabled city leaders to better allocate public funds to residential retro-fitting





# CITY TRANSPORT & ENERGY EFFICIENCY

App-based technology enables ride sharing to reduce traffic congestion, fuel consumption and transport emissions





# WASTE TO ENERGY & RESOURCE EFFICIENCY

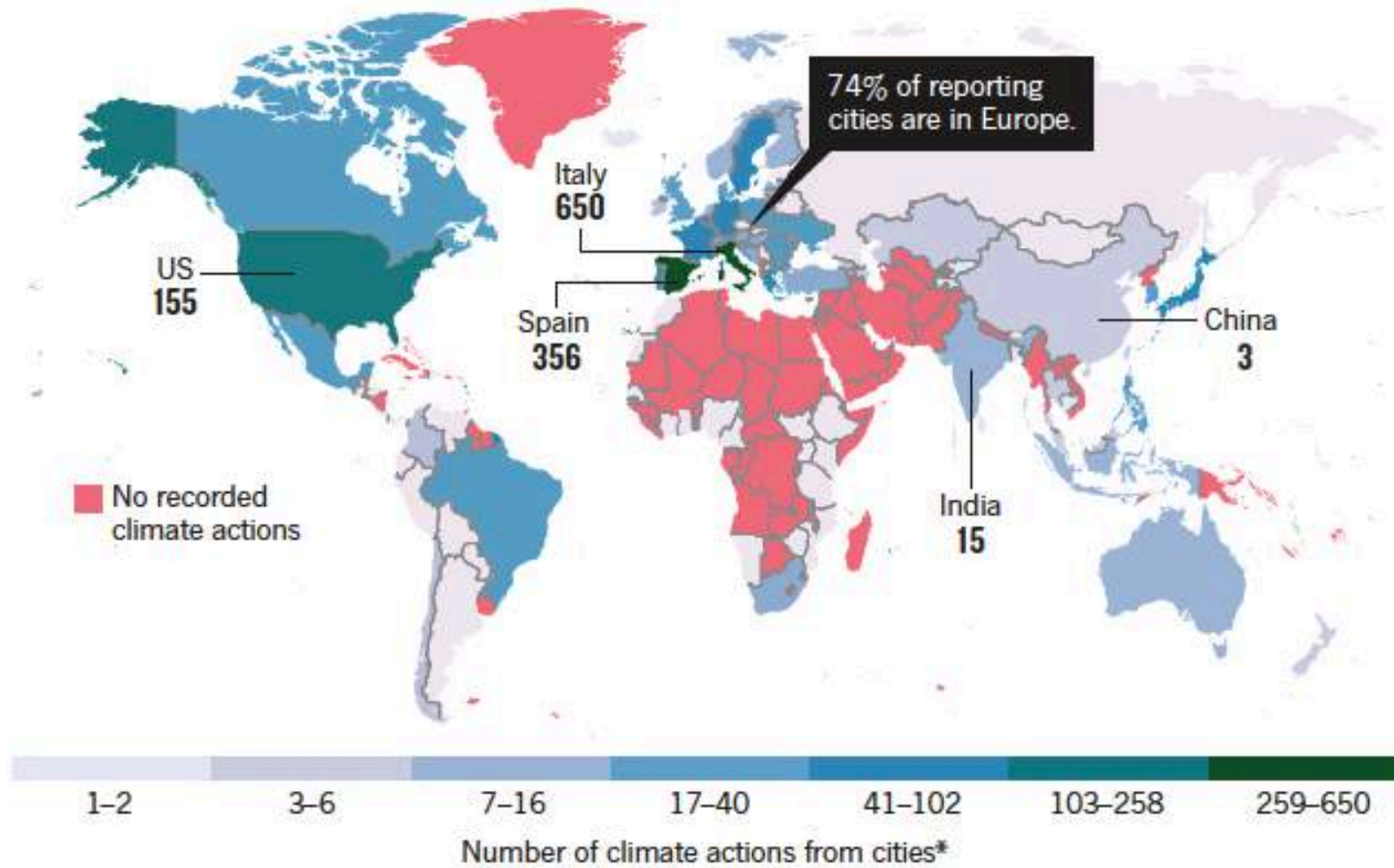
Singapore sends only 2% of its solid waste to landfill, burns 38% to generate electricity and recycles the remaining 60%



# REPORTING CITY INITIATIVES

## 1 City initiatives

Few cities in the the developing world report their climate projects in NAZCA.



# CONCLUSIONS

- Students, NGOs and investors must play a leading role in promoting national ambition around climate change and emission reductions
- Companies can take the lead on corporate sustainability, leading to large decreases in national emissions and increasing the share of renewable energy in the national economy
- Cities will become incubators for new innovations around energy and resource efficiency, reducing national emissions and increasing green exports and job creation
- Italy's vital civil society and existing commitments from companies and cities signal that a strong foundation in the Italian market already exists to build upon in the future

THANK YOU

The Global Green Economy Index™

**GGEI 2016**

Measuring National Performance in the Green Economy  
5th Edition - September 2016

DUAL CITIZEN LLC

Jeremy Tamanini

Dual Citizen LLC

[jeremy@dualcitizeninc.com](mailto:jeremy@dualcitizeninc.com)

@DualCitizenInc

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Global Green Economy Index  
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