



Clean Planet
Happy People
Shared Prosperity
Emerging Concepts

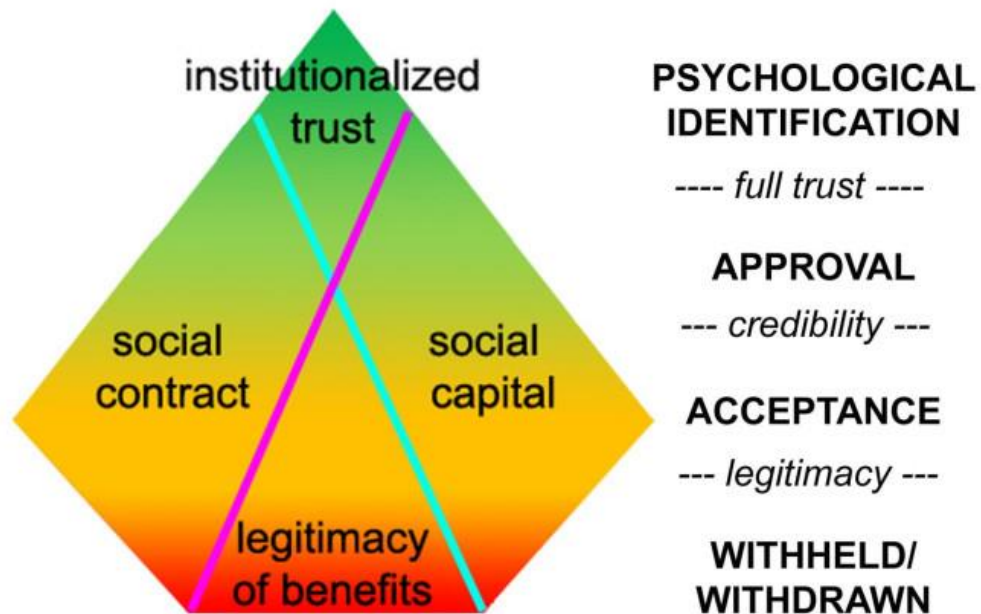
SBE19 **SUSTAINABLE BUILT ENVIRONMENT**

Helsinki, Finland May 22–24, 2019

Social license to operate

Ilari Aho

“The ***Social License to Operate*** (SLO), or simply social license, refers to the ongoing acceptance of a company or industry's standard business practices and operating procedures by its employees, stakeholders and the general public.” (investopedia.com)



LEVEL OF SOCIAL LICENSE	SYMPTOMS/INDICATORS
WITHHELD / WITHDRAWN	Shutdowns, blockades, boycotts, violence / sabotage, legal challenges
ACCEPTANCE / TOLERANCE	Lingering/recurring issues & threats, presence of outside NGOs, watchful monitoring
APPROVAL / SUPPORT	Company seen as good neighbour, pride in collaborative achievements
PSYCHOLOGICAL IDENTIFICATION	Political support, co-management of projects, united front against critics

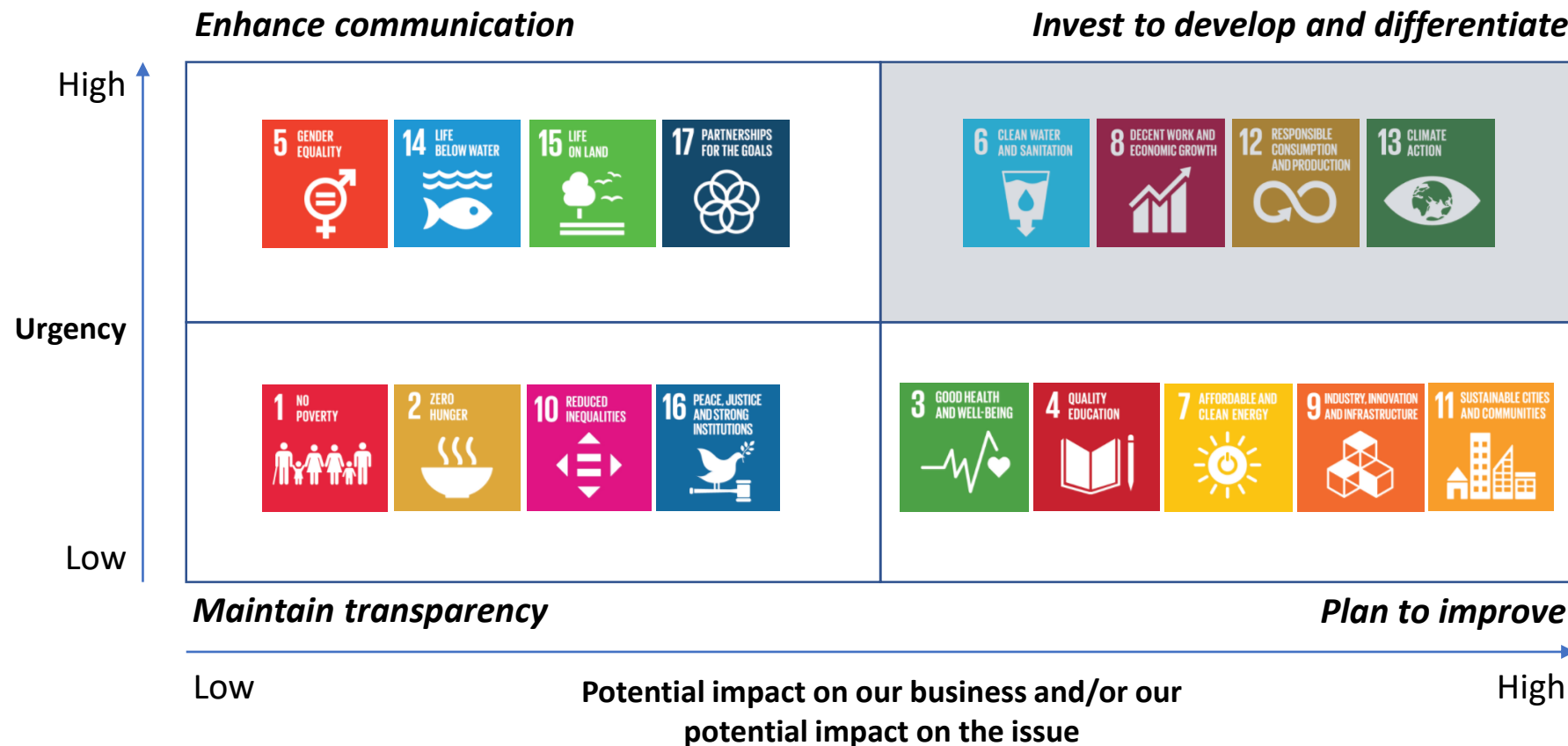


SUSTAINABLE DEVELOPMENT GOALS





17 GOALS TO TRANSFORM OUR WORLD



Our sustainability strategy is focused on SDGs with high impact potential and/or opportunity for our business



Leadership position is targeted within the four SDGs most relevant to our business

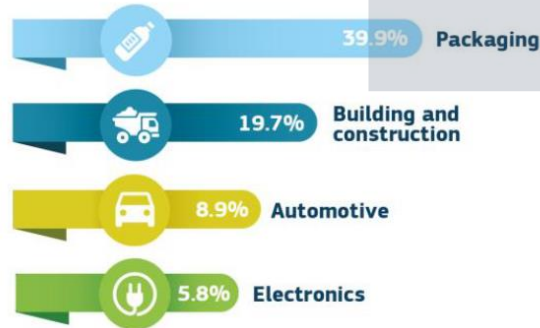
		Basic compliance	Established	Leadership
SDG	Key business sustainability driver			
 6 CLEAN WATER AND SANITATION	Water Scarcity & Security	Meeting regulatory requirements & industry standards	Programme & targets for improving internal water efficiency Systems and solutions avoiding waste of water	Intelligent solutions to ensure water quality and efficiency Process water returned at a higher quality level than it was first obtained Partnerships to protect and restore water resources and to improve access to water
 12 RESPONSIBLE CONSUMPTION AND PRODUCTION	Move to a Circular Economy	Reduce waste to landfill	Waste as resource to own production Design for recyclability	Zero waste over product life cycle 100% verified sustainable raw materials
 13 CLIMATE ACTION	Climate Change	Reduced footprint Energy efficient systems & solutions	Following science based targets	Carbon neutral, moving to carbon positive Partnerships in decarbonisation
 8 DECENT WORK AND ECONOMIC GROWTH	Value Chain Transparency & Responsibility	Passive supplier screening for basic transparency	Engaging with suppliers to advance their ESG topics Change our purchases accordingly	Collaborating across value chain to advance ESG topics Incentivising partners to change

Plastics in a Circular Economy

Long life time plastic investment products have a major role to play in increasing plastic recycling and reducing plastic waste

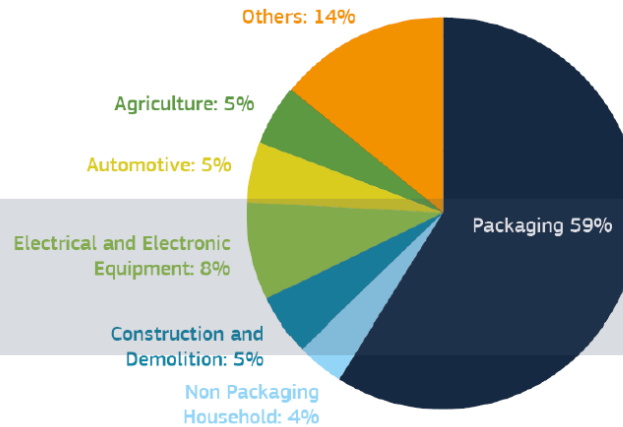
EUROPEAN PLASTICS DEMAND IN 2015

49 million tonnes



EU-28, Norway and Switzerland - Source: Plastics Europe (2016)

EU PLASTIC WASTE GENERATION IN 2015



Source: Eunomia (2017)

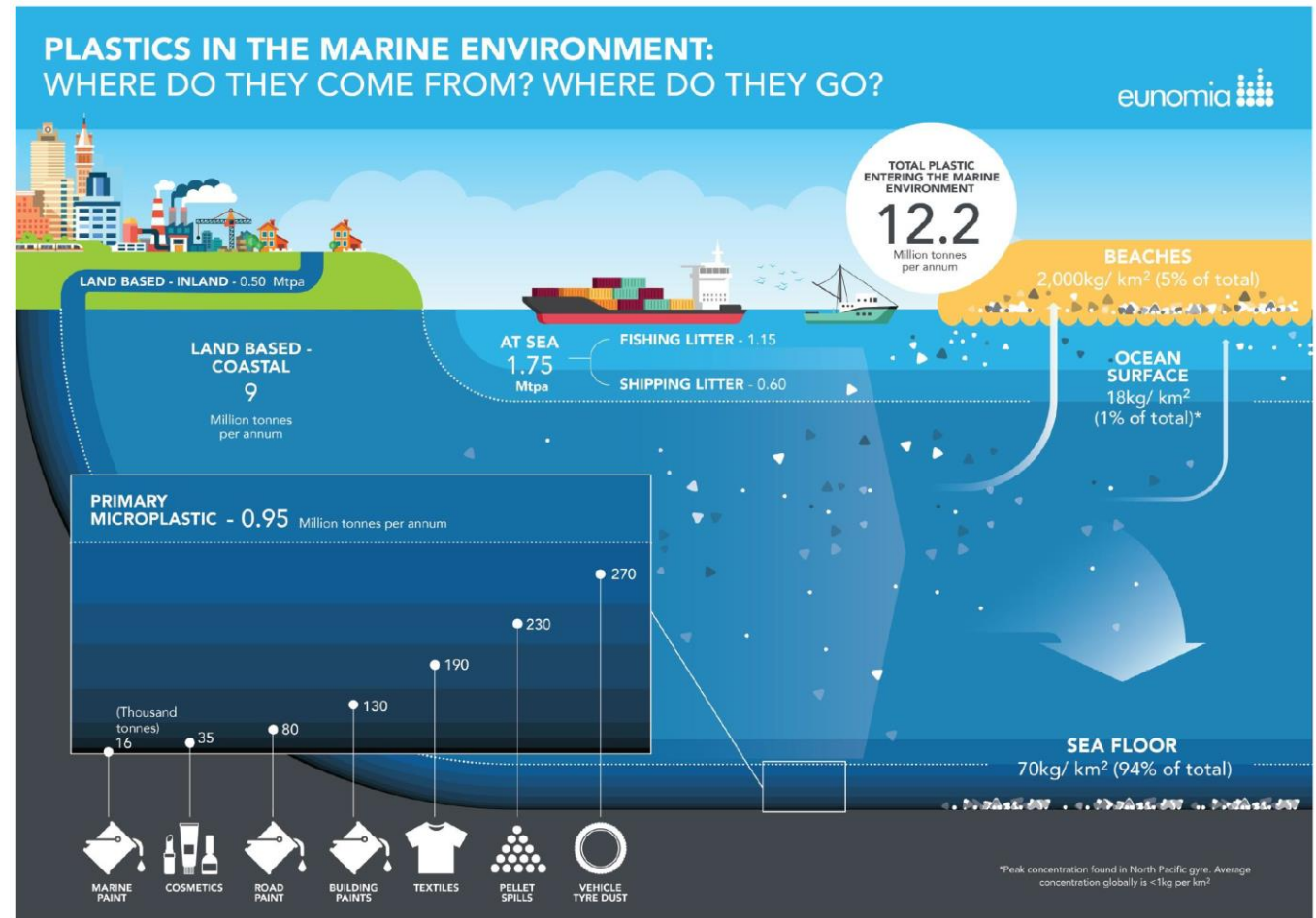
CO₂ BENEFITS OF PLASTICS RECYCLING



Source: A European Strategy for Plastics in a Circular Economy, European Commission; January 16, 2018

Microplastics: an environmental and business challenge

- Largest sources of microplastics in the marine environment are secondary microplastics from plastic litter etc
- Recycled content utilization in long life time investment products provides a sink for plastic waste and reduces the creation of secondary microplastics
- The industry is committed to minimizing direct emissions of microplastics from pellet spills etc, through engagement in programmes such as Operation Cleansweep



Source: Plastics in the Marine Environment. Eunomia, June 2016.

Advancing Net Zero

WorldGBC definition:
A net zero carbon building is highly energy efficient with all remaining energy from on-site and/or off-site renewable sources

100% of buildings must operate at net zero carbon

2050

2030

All new buildings must operate at net zero carbon

GOVERNMENT
ENGAGEMENT

TRAINING &
EDUCATION

CORPORATE
ENGAGEMENT

CERTIFICATION

Key Principles

1. Measure and disclose carbon

Carbon is the ultimate metric to track; buildings must achieve an annual operational net zero carbon emissions balance based on metered data



2. Reduce energy demand

Prioritise energy efficiency to ensure that buildings are performing as efficiently as possible, and not wasting energy



3. Generate balance from renewables

Supply remaining demand from renewable energy sources, preferably on-site followed by off-site, or from offsets



4. Improve verification and rigour

Over time, progress to include embodied carbon and other impact areas such as zero water and zero waste





1. Operational Carbon

Track metered
performance



2. Energy Efficiency

Reducing Energy
Wastage



3. Renewable Energy

Onsite / Offsite / Offset



4. Expand Scope

i.e. embodied carbon,
other impact emissions

**ADVANCING
NET ZERO**



The Net Zero Carbon Buildings Commitment

ADVANCING
NET ZERO




COMMIT

Advanced trajectory for ***all new and existing buildings within direct control*** of the organisation to ***operate at net zero carbon*** by 2030; regulate for ***all buildings*** to operate at net zero ***by 2050***


DISCLOSE

Measure, disclose and assess annual ***asset and portfolio*** energy demand and carbon emissions


ACT

Develop and implement a ***decarbonisation roadmap*** outlining key actions and milestones towards ***energy efficiency and renewable energy***


VERIFY

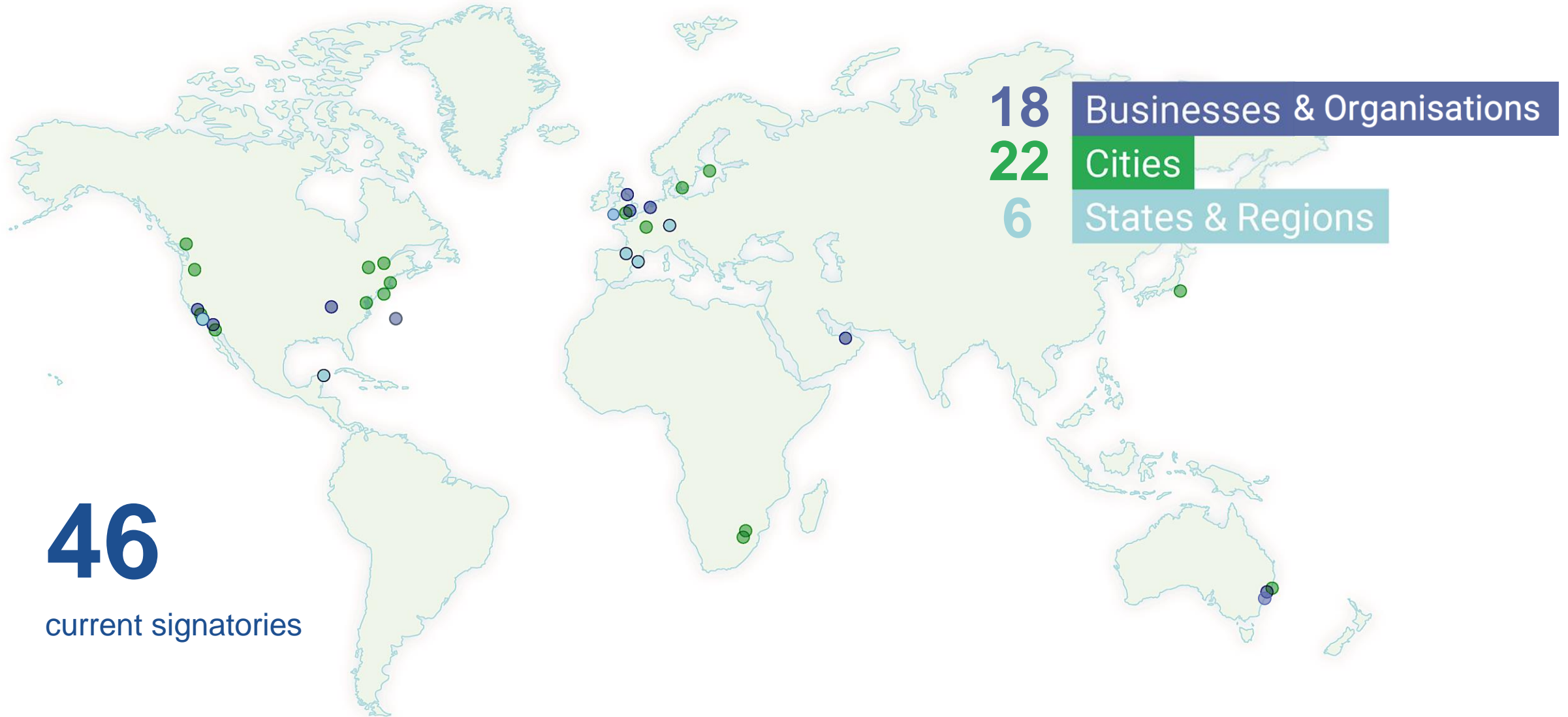
Demonstrate ***enhanced energy performance, reduced carbon emissions*** & progress towards net zero carbon assets and portfolio


ADVOCATE

Act as a ***catalyst*** through core business activities for further action within respective ***supply chains***

The Net Zero Carbon Buildings Commitment

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NET ZERO



www.worldgbc.org/thecommitment

Thank you!

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