The background is a clear, bright blue sky. On the left side, there is a large, detailed dandelion seed head. Several dandelion seeds with their feathery parachutes are shown in various stages of being blown away, floating across the frame. In the upper right corner, there are several colorful geometric shapes: three thick diagonal bars in teal, orange, and blue, and four small circles in teal, blue, and yellow. The text "RENEWABLES NOW" is centered horizontally across the middle of the image.

RENEWABLES NOW

Perspectives on the Global Energy Transition

Expérience Geothermal The Hague

Rana Adib

Executive Director

9 March 2022



REN21: MAKING THE SHIFT TO RENEWABLE ENERGY HAPPEN – NOW!

The only **global community** of renewable energy actors from science, academia, NGOs, governments, and industry.

Our more than **2,000 community members** co-operate collecting information, changing norms and debating.



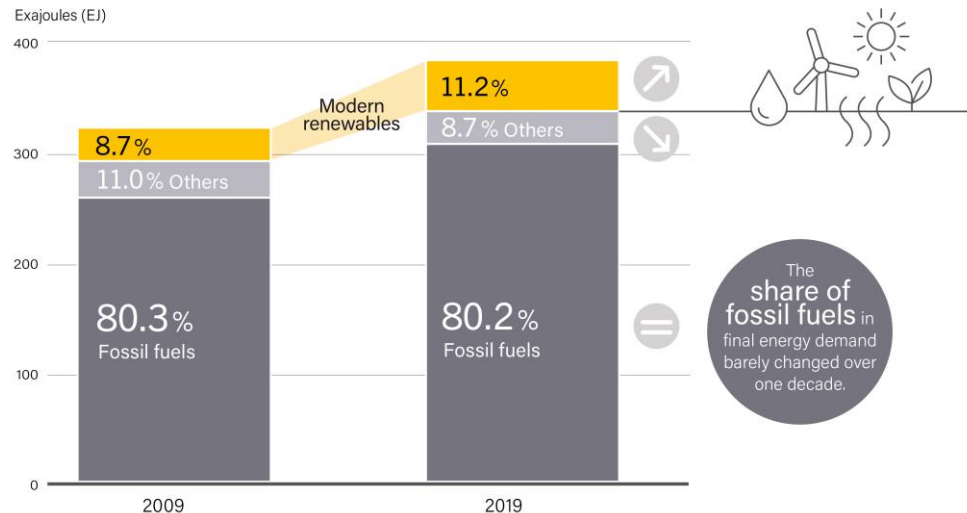
We build upon a **decentralised intelligence**, ensuring high responsiveness to an ever changing environment.

Our **annual publications** are probably the world's most comprehensive, crowdsourced reports on renewables.

INCREASING ENERGY DEMAND AND FOSSIL FUEL USE



Estimated Renewable Share of Total Final Energy Consumption
2009 and 2019



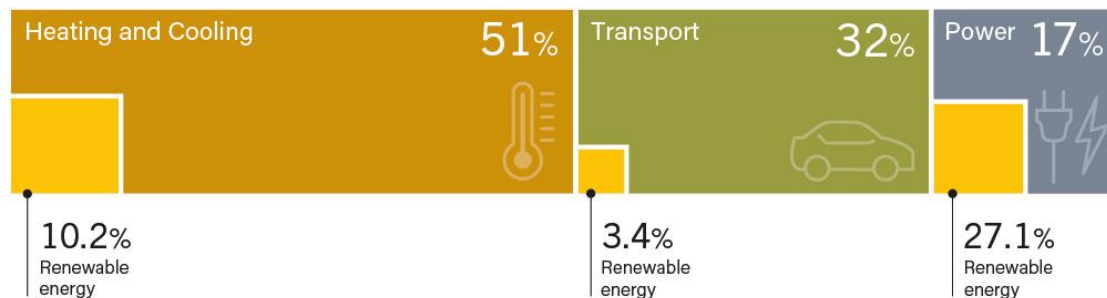
Note: Totals may not add up due to rounding. This figure shows a comparison between two years across a 10-year span. The result of the economic recession in 2008 may have temporarily lowered the share of fossil fuels in total final energy consumption in 2009. The share in 2008 was 80.7%.

Source: Based on IEA data.

The world is **burning more fossil fuels** than ever.

MORE THAN 80% OF ENERGY FOR HEATING & TRANSPORT

 Renewable Energy in Total Final Energy Consumption
by Final Energy Use, 2018



Note: Data should not be compared with previous years because of revisions due to improved or adjusted methodology.

Source: Based on IEA data.

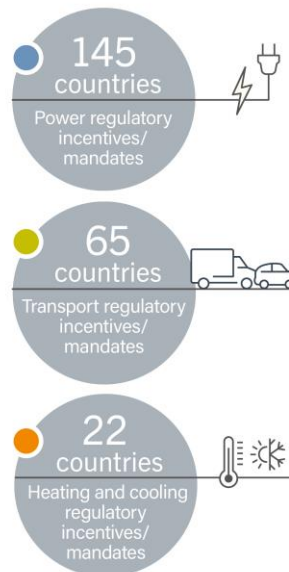
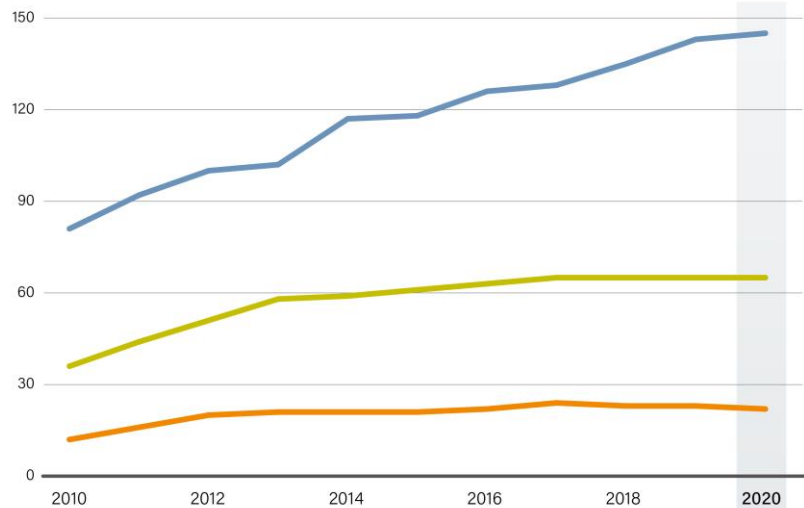
Most focus is on the power sector, but the **greatest urgency** is in heating and transport.

RENEWABLE ENERGY POLICIES STAGNATE



Number of Countries with Renewable Energy Regulatory Policies
2010–2020

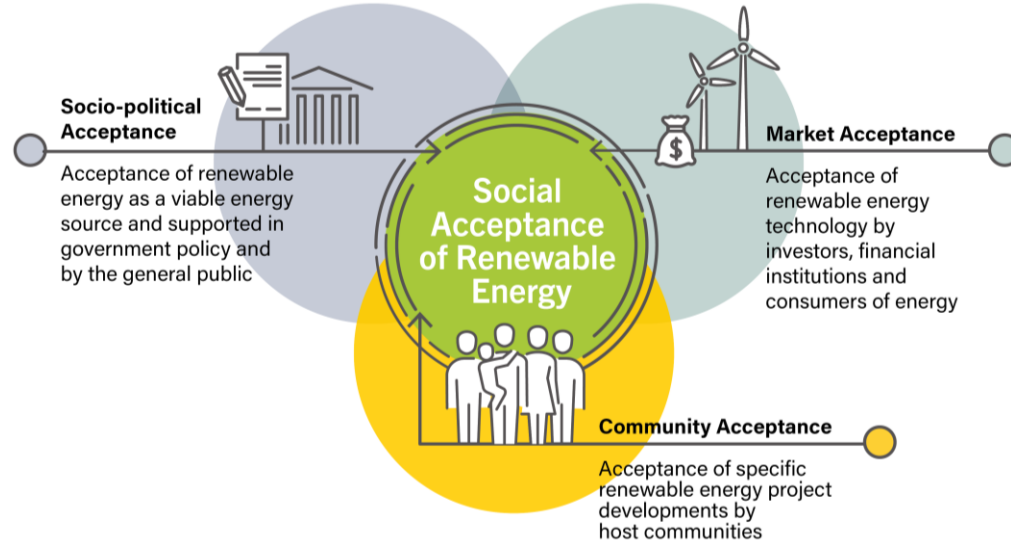
Number of Countries



For the first time ever, the number of countries with **renewable energy support policies** did not increase.

MAKING RENEWABLE ENERGY MAINSTREAM

BUILDING SOCIETAL SUPPORT



Building **bridges outside the (renewable) energy bubble** requires diversity of players to address energy as in a systemic way.

MORE THAN ENERGY SUPPLY: A DIVERSITY OF DRIVERS

ENERGY AS ENABLER

Clean air
and a healthy
environment

Climate change
mitigation and
adaptation

Economic
development



Energy democracy
and sovereignty

Stable and secure
energy supply

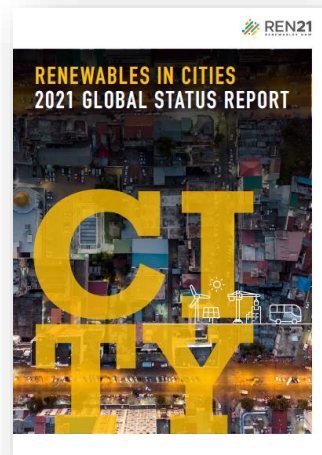
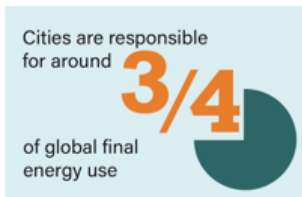
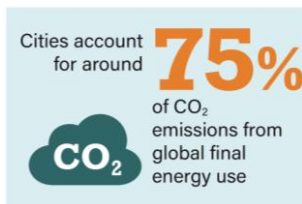


Poverty alleviation
and improved
energy access

Reducing expenses
and managing costs

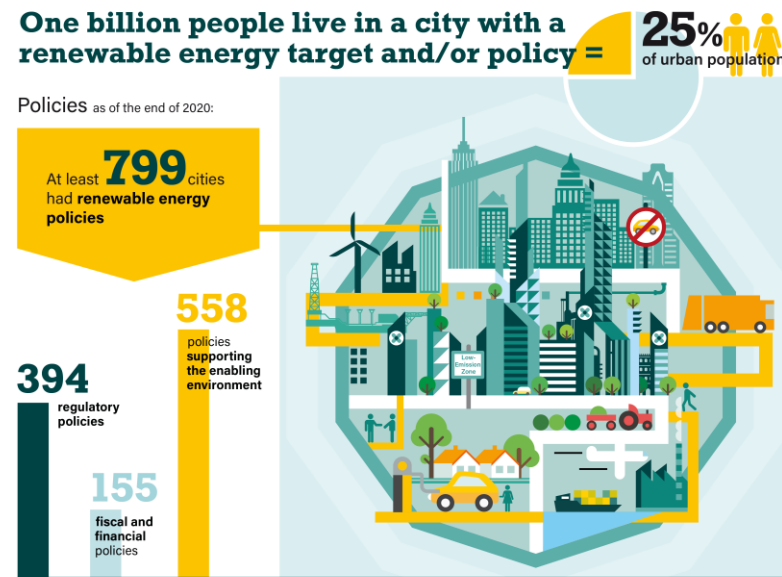
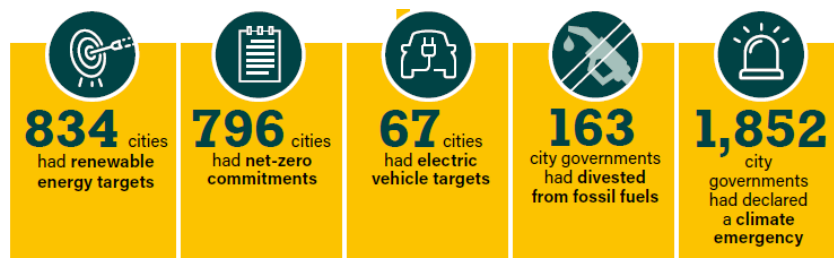
Industrialisation
and innovation

CITIES ARE HIGH IMPACT AREAS



CITIES RECOGNISE RENEWABLES AS AN OPPORTUNITY

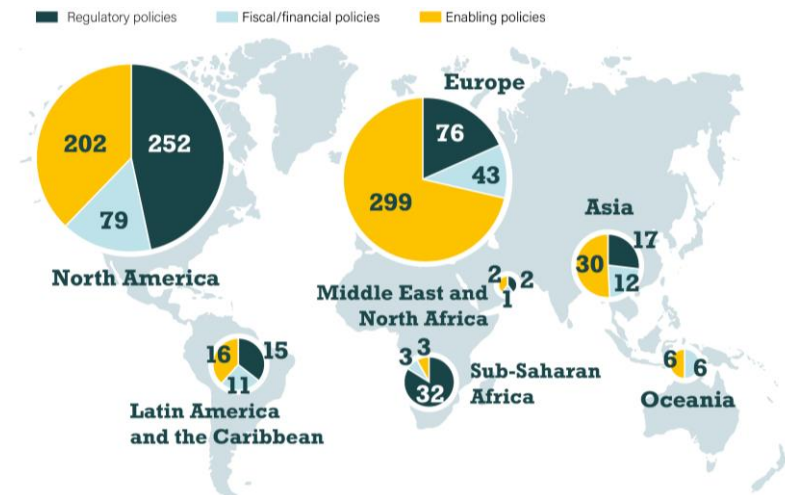
OVER 1,300 CITIES HAVE A RENEWABLE ENERGY TARGET AND/OR POLICY



CITIES USE THEIR REGULATORY POWER

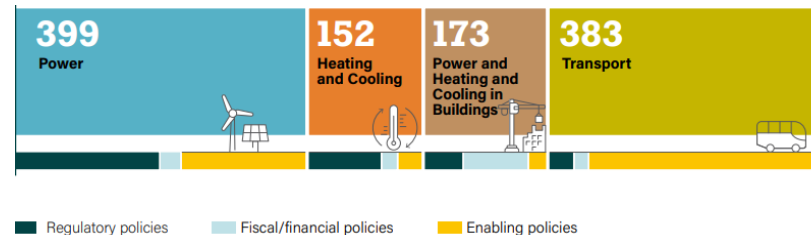
ALMOST 800 CITIES HAD POLICIES SUPPORTING RENEWABLE ENERGY

Renewable Energy Policies in Cities, by Type and Region, 2020



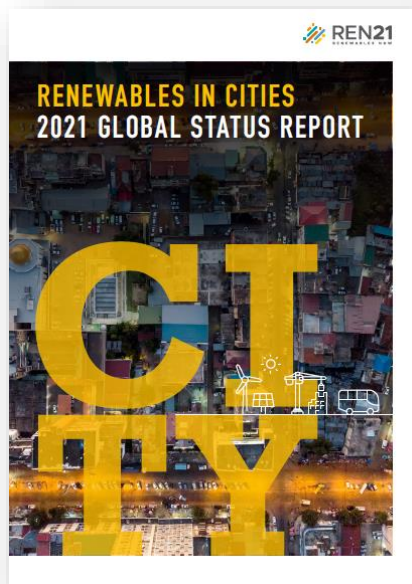
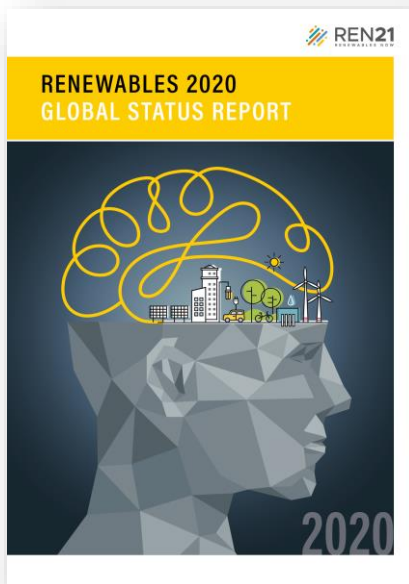
Note: Some city governments have more than one renewable energy policy. Policies in buildings apply in the buildings sector and can include power, heating and cooling and/or transport elements.

REN21 RENEWABLES IN CITIES 2021 GLOBAL STATUS REPORT



CONCLUSION: STRUCTURAL SHIFT TO RENEWABLES

GLOBAL GOALS NEED LOCAL ACTION



Aligning supply and demand as well as national and city policies is key to shift to renewable energy in all sectors.

An octopus is shown against a deep blue background. Its tentacles are spread out, with some showing suckers. In the upper right corner, there are several abstract geometric shapes: two long diagonal bars (one teal, one orange), two shorter diagonal bars (one light blue, one yellow), and four circles (two teal, one light blue, one yellow).

RENEWABLES NOW

www.ren21.net