



**Eleventh Session of the Assembly and related meetings**

# **2021 Legislators Forum**

**Parliamentary actions to scale up renewable investments: Renewable energy as an enabler of services**

**13 January 2021 • Abu Dhabi**



**Eleventh Session of the Assembly and related meetings**

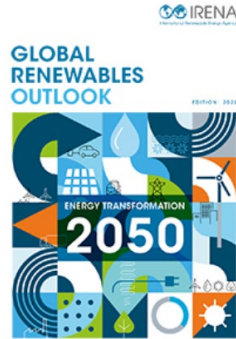
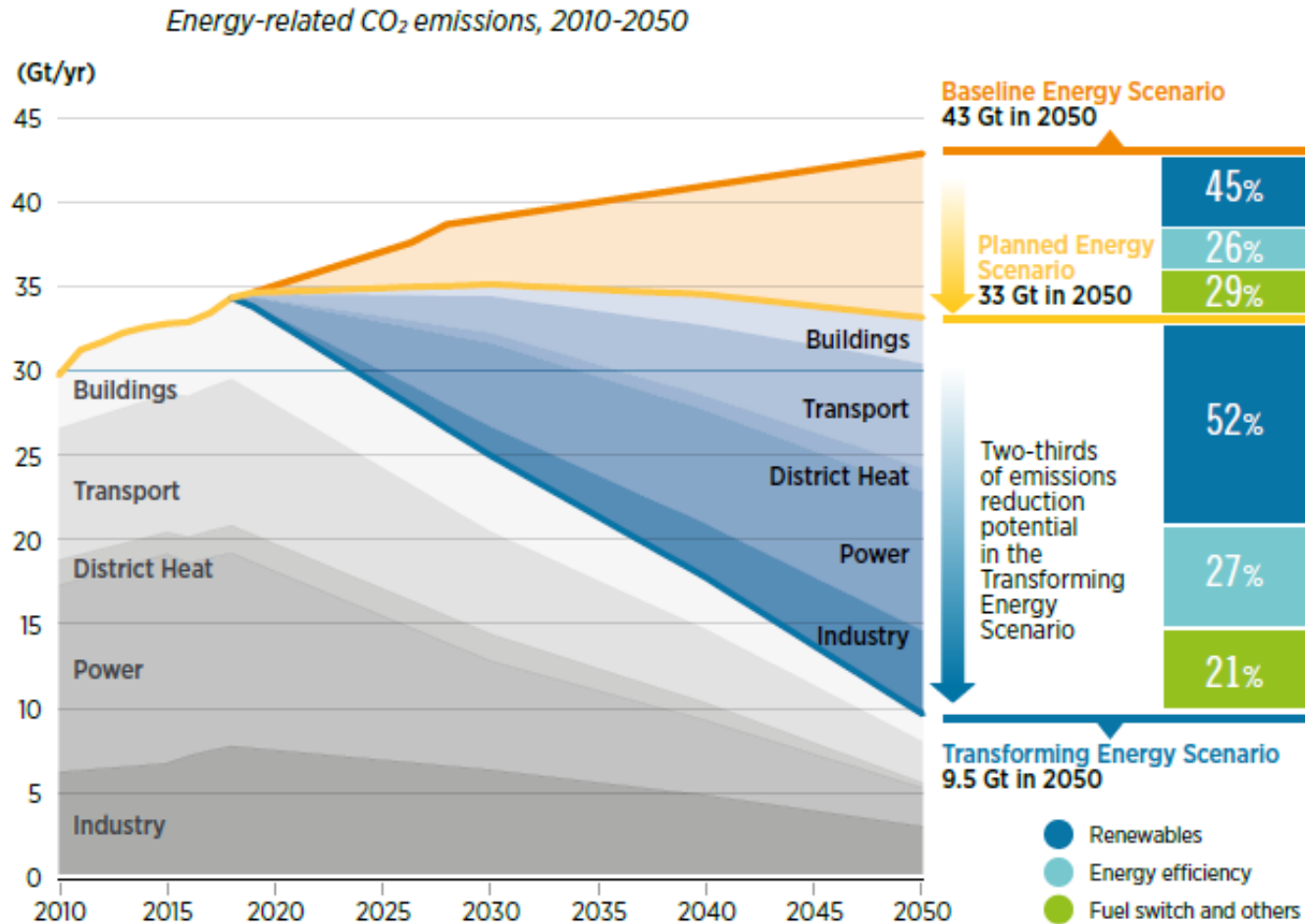
# **Renewable Energy as an enabler to rebuild better after COVID-19**

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**Rabia Ferroukhi**  
**Director, Knowledge Finance and Policy Center**  
**IRENA**

**13 January 2021 • Abu Dhabi**

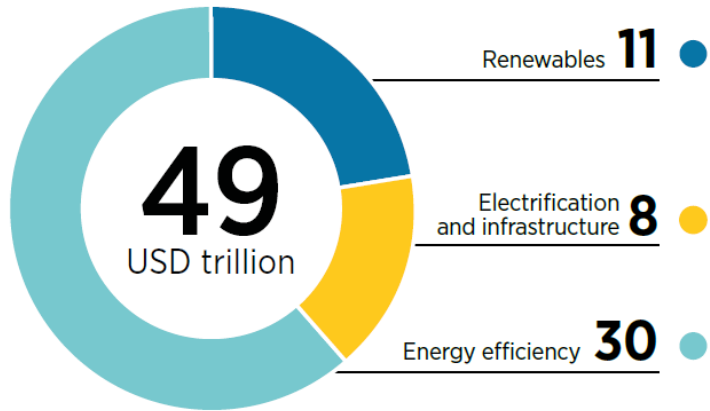
# A sustainable climate and energy pathway for 2050 and 2030



- Annual energy-related CO<sub>2</sub> emissions would need to decline by 70% below today's level by 2050.
- Total share of renewable energy would need to increase from around 14% of total primary energy supply in 2017 to around 65% in 2050 and 28% in 2030.

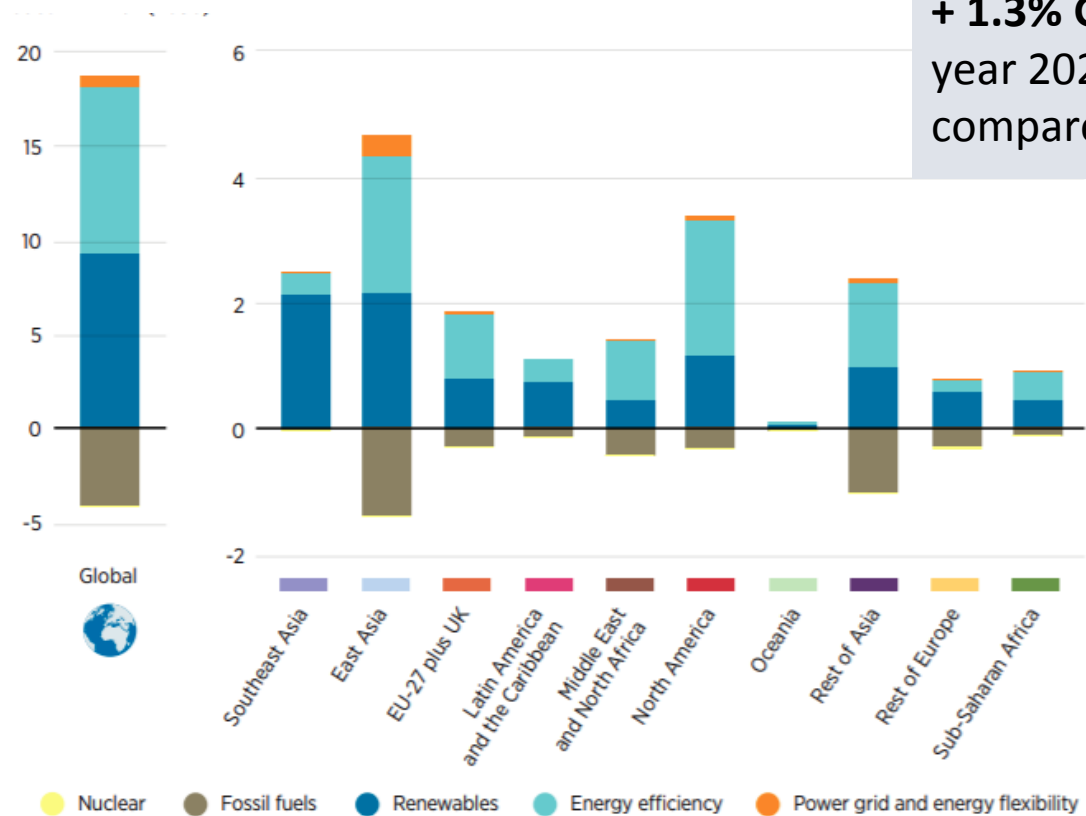
# Investment needs and socio-economic gains 2020-2030

Cumulative clean energy investments between 2019-2030 in the TES (USD<sub>2019</sub> trillion)

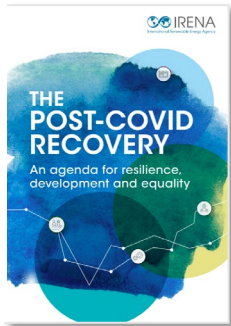


Clean energy average annual investments, 2019-2030:  
**USD 4.5 trillion per year**

An additional 19 million energy transition-related jobs in 2030 globally

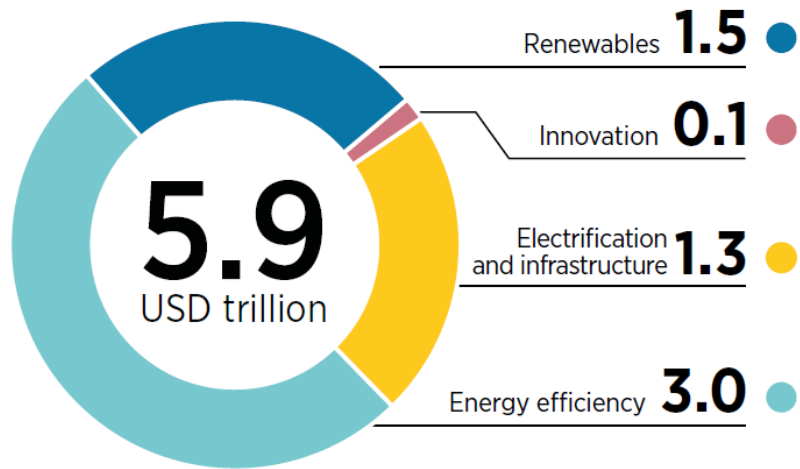


**+ 1.3% GDP** per year 2020 – 2030 compared to PES



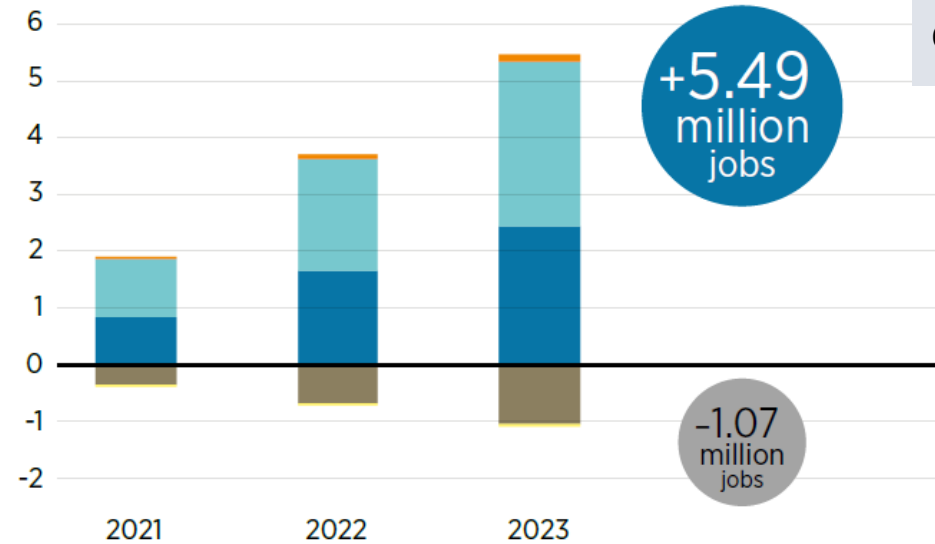
# Immediate investment needs and socio-economic gains 2021-2023

## Cumulative clean energy investments between 2021-2023 in the TES (USD<sub>2019</sub> trillion)



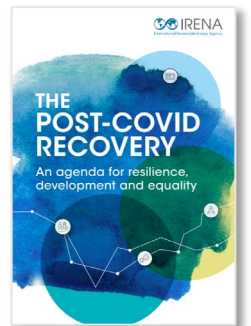
Clean energy average annual investments, 2021-2023:  
**USD 2 trillion per year**

## An additional 5.49 million energy transition-related jobs in 2023 globally



**+ 1.0 % GDP** per year 2021 – 2023 compared to PES

- Power grid and energy flexibility
- Fossil fuels
- Energy efficiency
- Nuclear
- Renewables



# To attract investments, there is a need for raising ambition



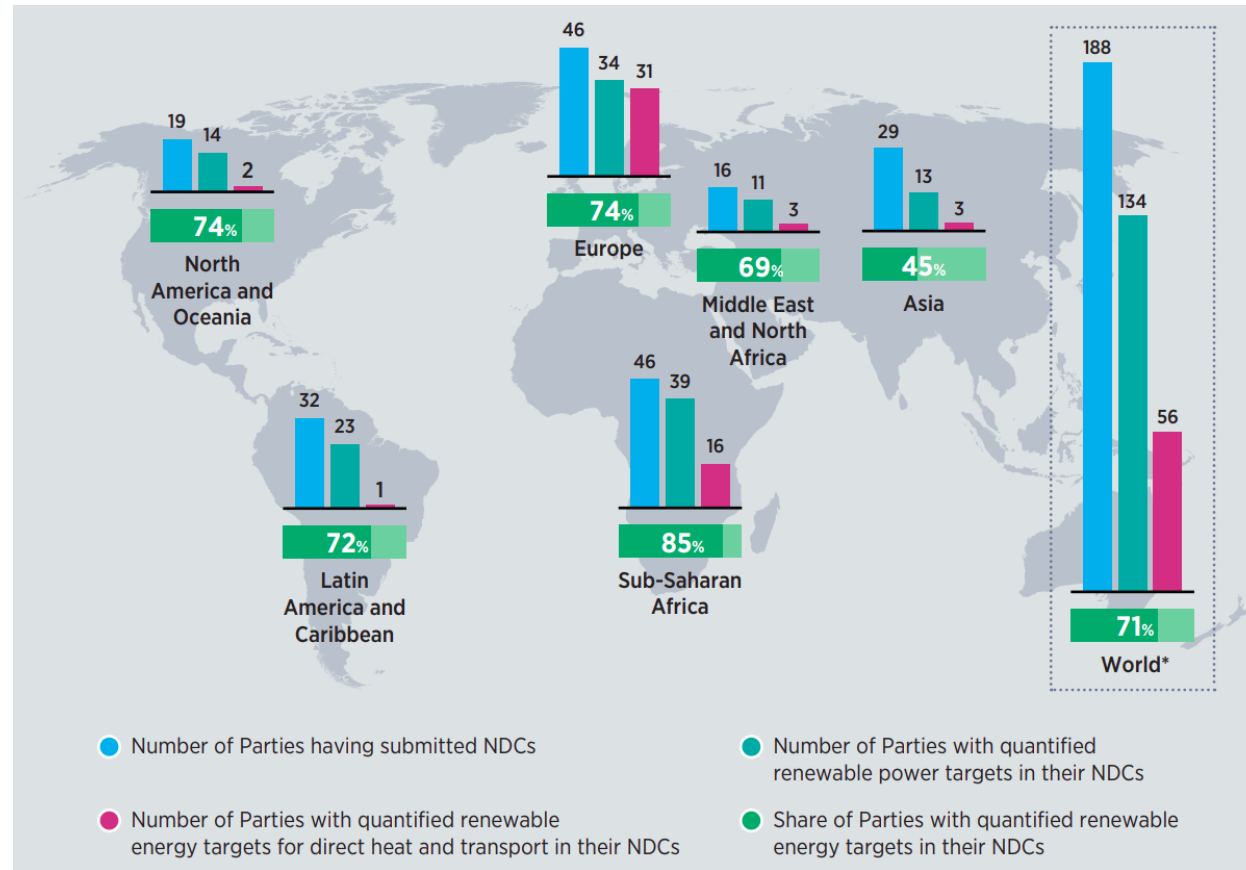
## Which countries have a net zero carbon goal?

Published on 14/06/2019, 6:00pm

A growing number of governments are setting targets to end their contribution to global warming. Bookmark this page to stay up to date

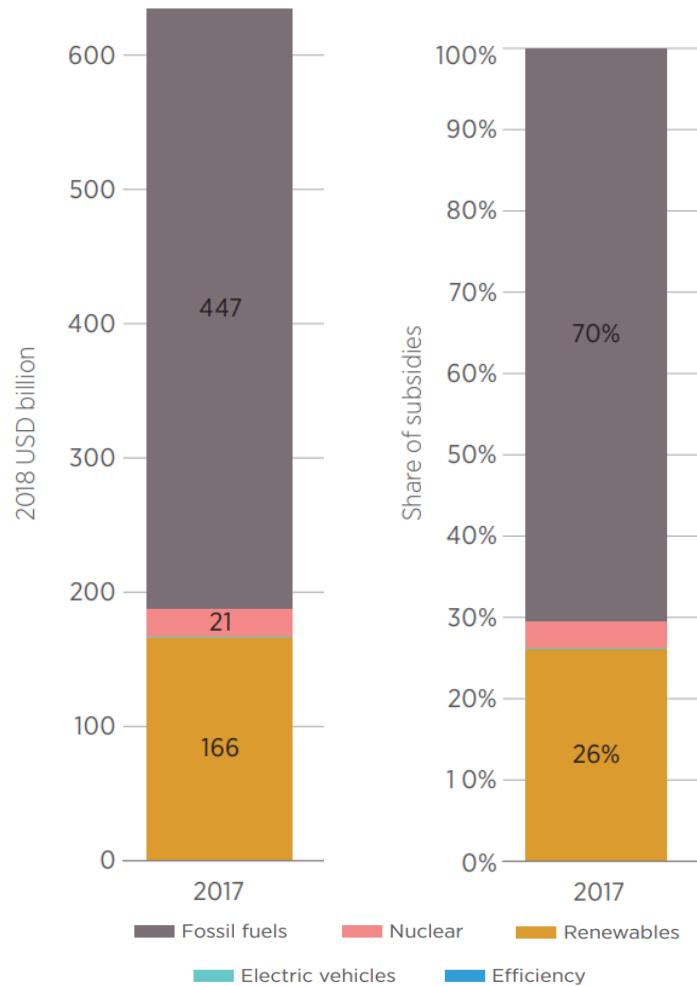


## Renewable energy components in current NDCs

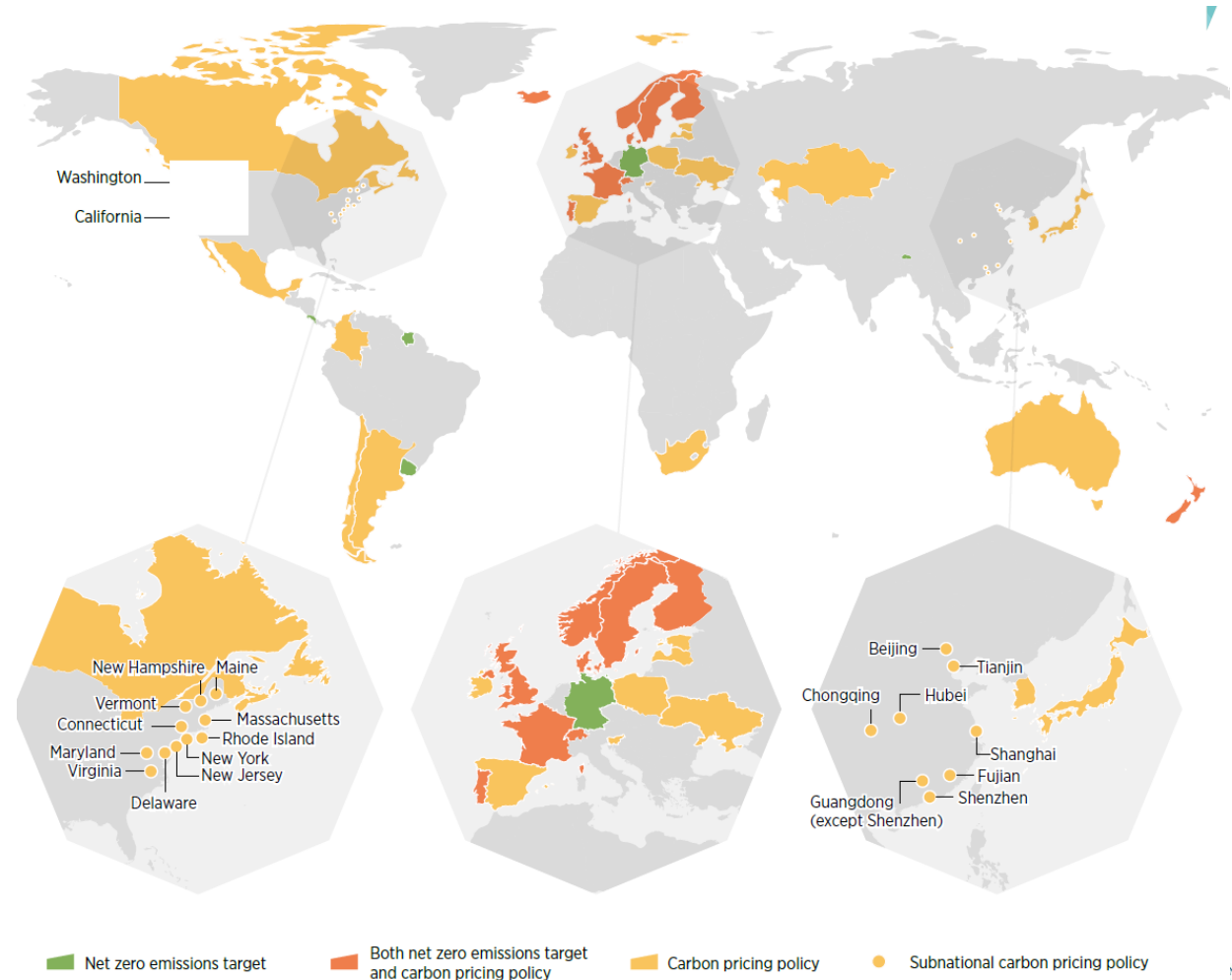


# And a need for public intervention to level the playing field

## Energy sector subsidies by source excluding climate and health costs, 2017



## Jurisdictions with selected climate change policies, early 2020



# Raising ambition and public intervention are just part of the enabling policies needed for the energy transition

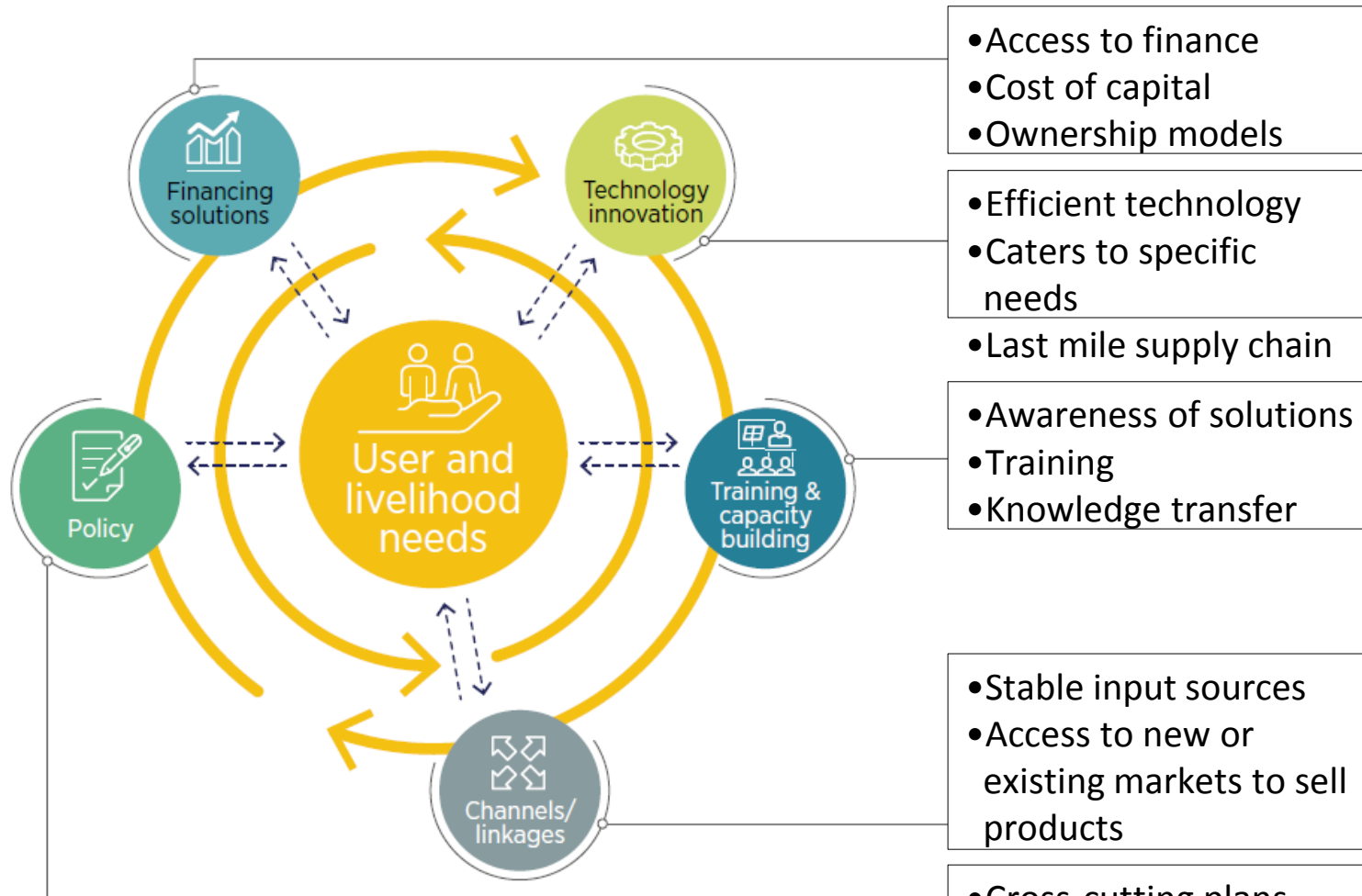
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# A specific ecosystem is needed for energy access to support livelihoods

## Ecosystem needs for supporting livelihoods

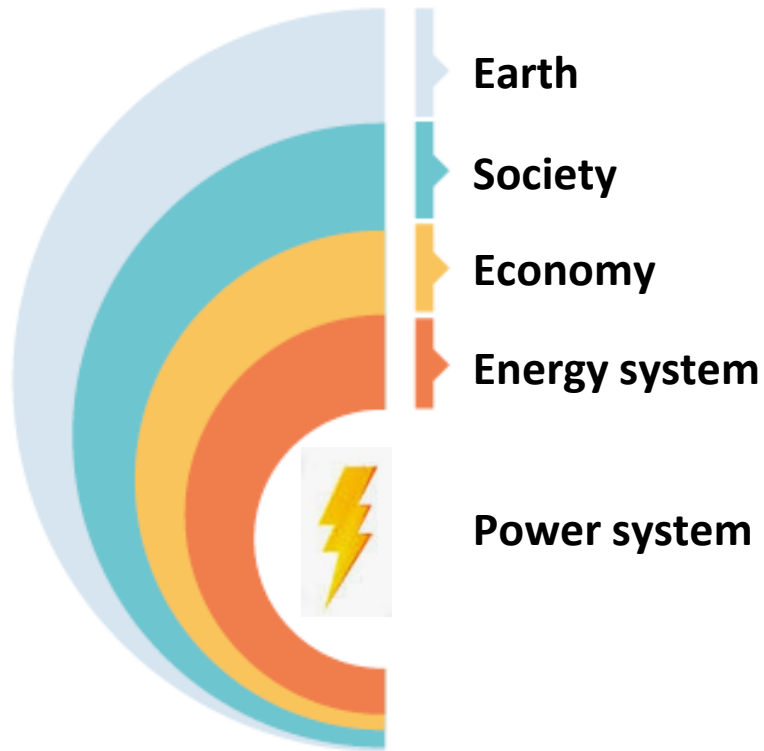


Source: SELCO Foundation, 2018



# The broad dimension of renewable energy policy-making

## The broad dimension of renewable energy policy making



## The interlinkages between SDG7 and other SDGs





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**谢谢**

**Thank you**

**Merci**

**Спасибо**

**Gracias**



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# **Renewable Energy as an enabler to rebuild better after COVID-19**

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**José Donoso**  
**Chair**  
**Global Solar Council**

**13 January 2021 • Abu Dhabi**

# About the Global Solar Council



The **Global Solar Council** is the voice of the world's solar energy industry, a non-profit body representing national, regional and international associations as well as leading solar sector corporations.

**Our vision** - Solar energy is the leading solution to the world's energy needs

**Our mission** - To promote the rapid adoption of solar energy globally, through market development, partnerships and education.



## Our activities

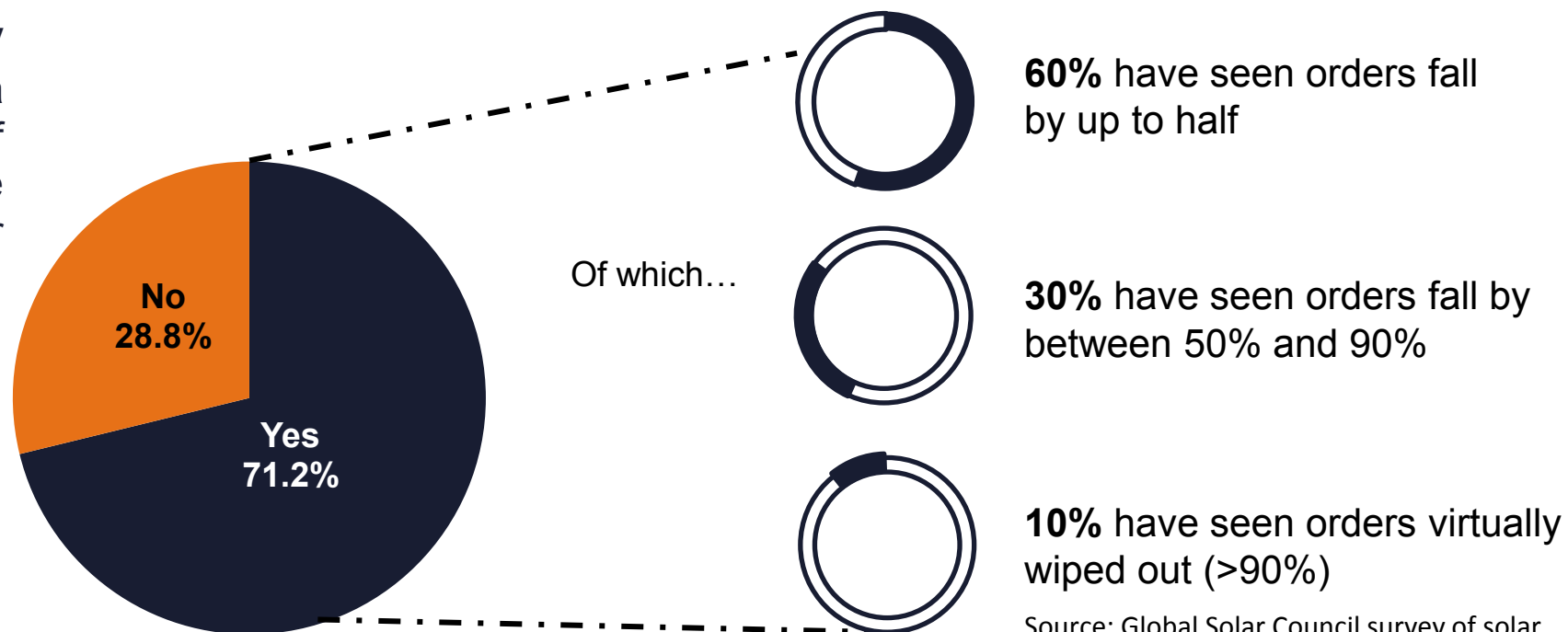
- Developing actionable **policy recommendations** for intergovernmental organizations
- **Opening new markets** and **growing existing markets**
- **Building partnerships** with key intergovernmental organizations and international institutions
- Expanding **local capacity**
- **Promoting standards**, best practices, quality initiatives and sustainability

# Global Solar Council membership



# Looking back on 2020: GSC survey on the impact of Covid-19 on PV sector

In terms of sales to the **solar PV market**, have you experienced a decline in orders as a result of the health emergency since the beginning of the crisis in your country ?



Source: Global Solar Council survey of solar businesses in 62 countries worldwide, April 2020

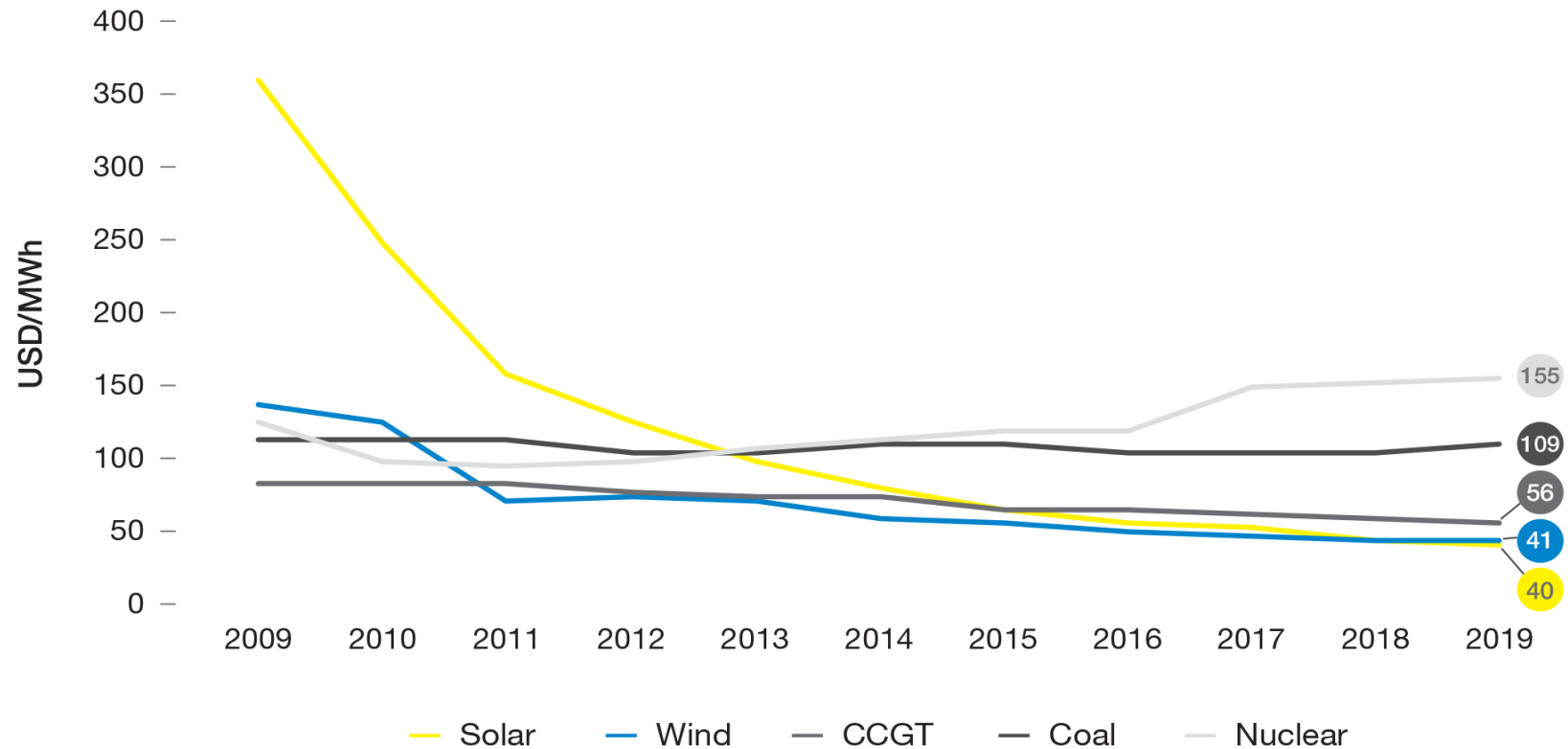
Solar businesses called for support initiatives from government/institutions to help you mitigate the effects of the COVID-19 pandemic, including:

- **Tax relief** for solar PV installations and **tax credits** for companies
- Dedicated **state financing** or **non-refundable loans/aid**
- Actions to **reduce bureaucracy** (digitalisation), cut **administrative burdens** and ease **financial regulations**



# Solar Cost Leader & Cost Reduction Continues

SOLAR ELECTRICITY GENERATION COST IN COMPARISON WITH OTHER POWER SOURCES 2009-2019



Source: Lazard (2019). Historical mean unsubsidised LCOE values (nominal terms, post-tax).

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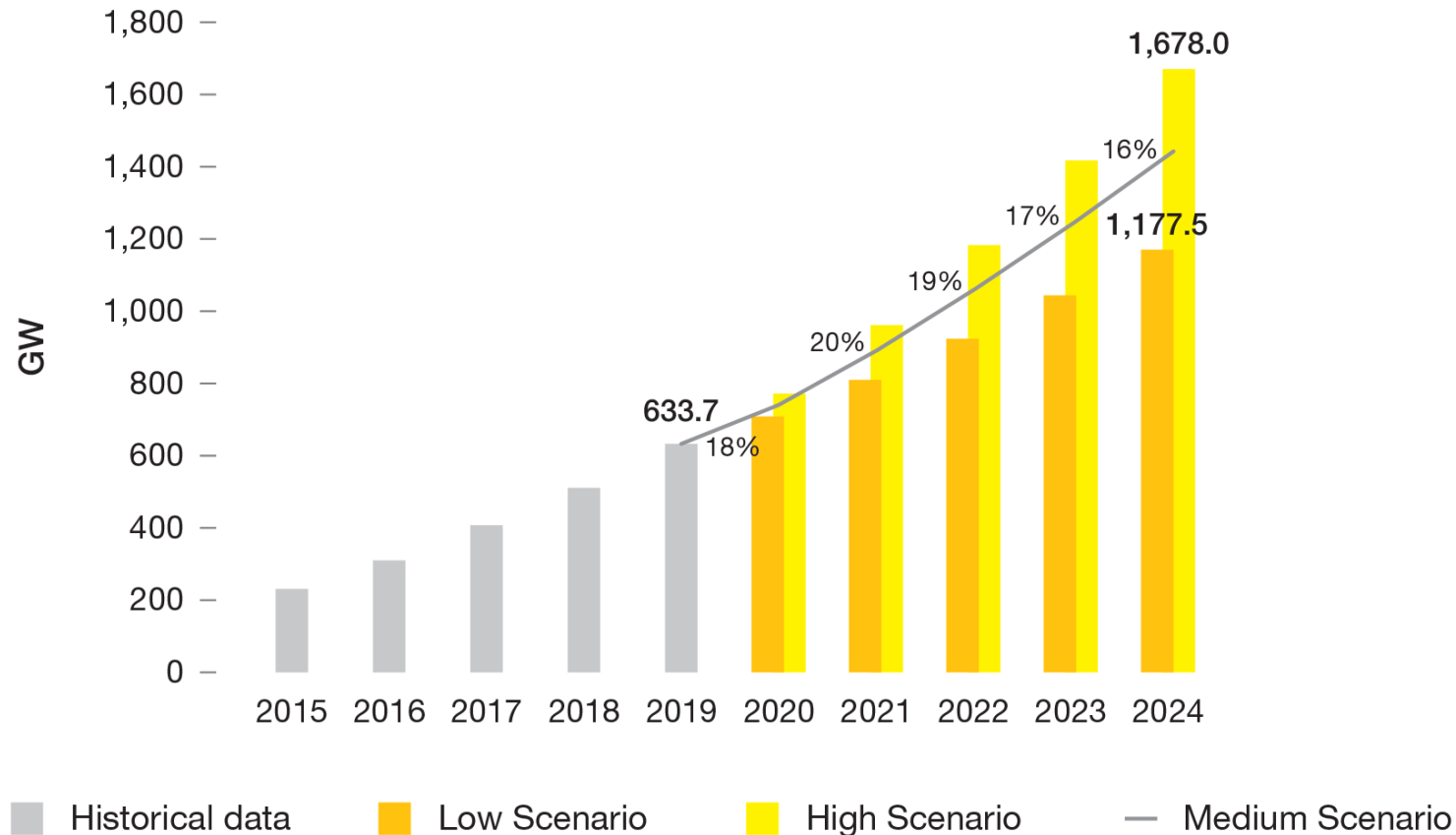
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# Global Cumulative Solar Market 2019: Twds TW-Level

## TOTAL SOLAR PV MARKET SCENARIOS 2020-2024



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# Solar PV will lead climate action and meeting Sustainable Development Goals

Thanks to its ability to deliver not only our climate objectives but also bring advantages in terms of employment, health, education, gender equality and poverty alleviation, solar power is set to play a key role in unleashing an array of environmental, social and economic benefits and can accelerate our trajectory towards the **United Nations' Sustainable Development Goals (SDGs)**.

**Beyond the immediate positive impact on climate and the environment, the global “ripple effect” of PV solar brings broad benefits in terms of:**

- Jobs and Livelihoods
- Access to energy
- Education and decent work



**SOLAR**  
the cheapest and cleanest source of energy

Outdated legislation and regulation that **indirectly result in an incentive to the fossil fuel industry need to be urgently revised** while **carbon pricing mechanisms** need to be promoted at global level. In a levelled field, solar energy can lead the transition and reply to the world's energy needs.

As an active member of the **IRENA Coalition for Action**, the Global Solar Council has shared the Call for Action and proposes the following recommendations:

1. Governments must adopt **long-term strategies and plans** that promote synergies with other sectors
2. Actions to **reduce bureaucracy** (digitalisation), cut **administrative burdens** and ease **financial regulations**
3. We need to redesign the energy market allowing renewables to play in a leveled field. **It's time to promote carbon pricing mechanism at global level.**
4. We need to **invest in research and development, innovative technologies** and in their industrial policies
5. **Capacity building is one of the key solution** for a just transition **to ensure no one is left behind.**
6. We cannot promote sustainability without considering inclusion. **Being green is a lifestyle.**



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**Спасибо**

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