



Global
Solar
Council

Solar: harnessing the sun, powering the future

Opportunities, potential and challenges ahead

Sonia Dunlop | CEO | Global Solar Council
14 March 2024 | REI conference, Tokyo, Japan



ABOUT US

The Global Solar Council (GSC) is the voice of the solar industry across the world.

We unite every step of the solar PV value chain, every market segment from on grid to off grid, and every region of the world.



MEMBERS



PARTNERS



A GLOBAL REACH

The GSC
represents around

97%

of total global solar PV
capacity through its
membership and initiatives.



WHO WE WORK WITH

The GSC works with a global network of industry associations, corporations, international institutions, NGOs and more to accelerate the deployment of solar PV across the world. The GSC is now opening its membership to corporates to strengthen advocacy and action to scale up solar globally.

MEMBERS



PARTNERS





Harnessing the sun powering the future

“A world with solar at the heart of the energy system”

25 billion
solar panels by 2030

8TW Total Installed Capacity



Global
Renewables
Alliance



**Global
Renewables
Alliance**



#3xRenewables



GRA - 6 Associations



The **Global Wind Energy Council** is helping the world reach Net Zero by working with governments, associations and communities to deploy vast amounts of clean, reliable wind energy.

The **Global Solar Council** is the voice of the world's solar energy industry on the global stage, a non-profit body based in Washington D.C. and represents national, regional and international associations as well as leading solar sector corporations.



Global Solar Council



The **Long Duration Energy Storage Council** is a global non-profit with over 60 members in 20 countries. The LDES Council advances the decarbonization of our world through the acceleration of long-duration energy storage by providing member-driven, fact-based guidance and research on the deployment of long-duration energy storage for society's benefit.

The **Green Hydrogen Organisation** promotes the sustainable production and use of green hydrogen — mitigating climate change and delivering reliable clean energy.



The **International Geothermal Association** works for the promotion and worldwide deployment of geothermal energy technology and advocates a future energy system based on renewable energy. The IGA has consultative status to the UN and special observer status to the Green Climate Fund.

The **International Hydropower Association** is a non-profit membership organisation and the global voice for sustainable hydropower.



Double Down, Triple Up - Campaign

GRA 3XRenewables Campaign



Global
Renewables
Alliance

**DOUBLE DOWN,
TRIPLE UP.**

TIME 4 ACTION 

#3xRenewables

Double Down, Triple Up - Campaign

Action 4 3XRenewables

ACTION **N**
4 FINANCE

ACTION **N**
4 PERMITS

ACTION **N**
4 SUPPLY CHAINS

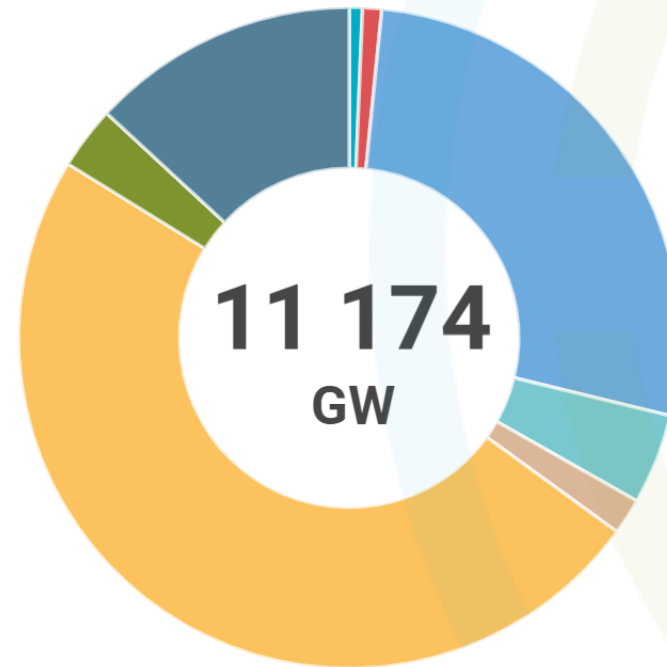
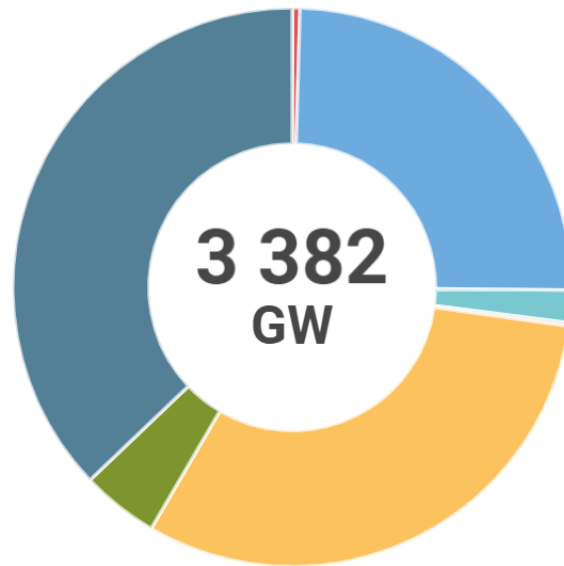
ACTION **N**
4 GRIDS

#3xRenewables

Double Down, Triple Up - Campaign

3XRenewables by 2030

2022 → **2030** 
Global renewable power generation Global renewable power generation



- Marine
- Geothermal
- Wind onshore
- Wind offshore
- CSP
- Solar PV
- Bioenergy
- Hydro (excl. pumped)



#3xRenewables

25 billion

solar panels by 2030

8TW Total Installed Capacity



Scalability & versatility



Grid support



Decentralisation & resilience



Local job creation



Direct benefit for households



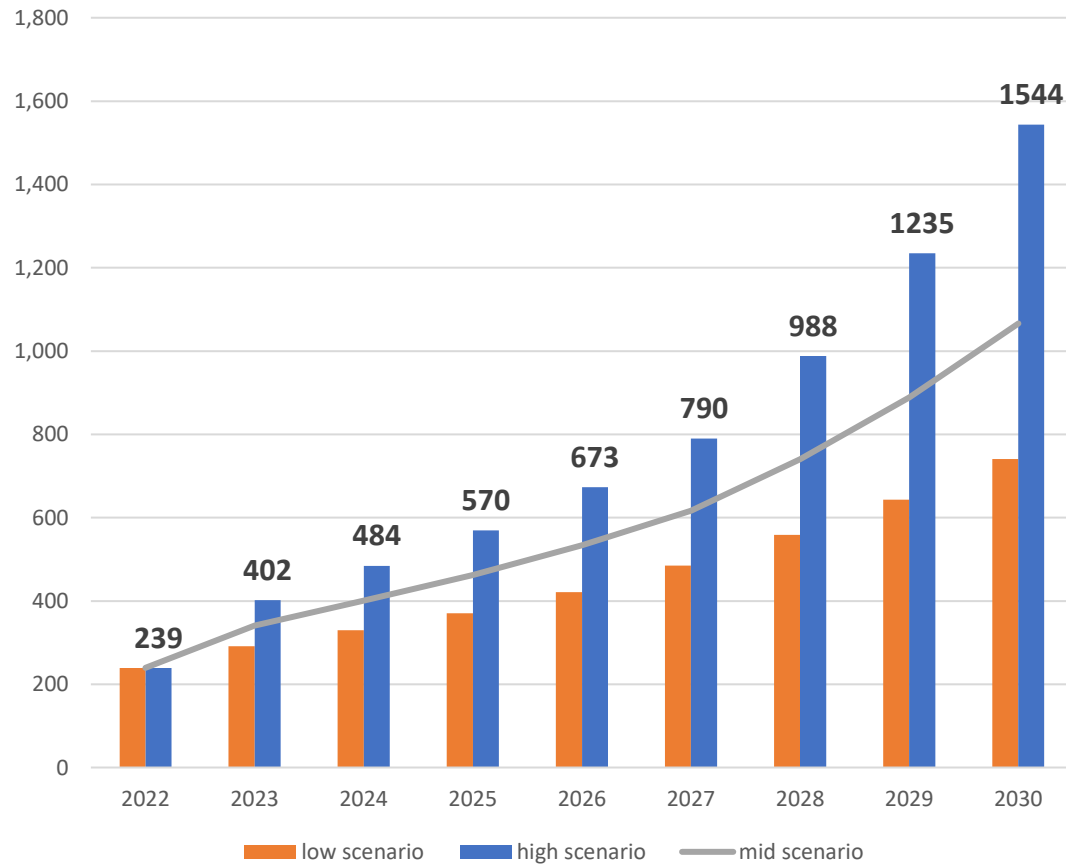
Energy access

5 million
jobs around the world

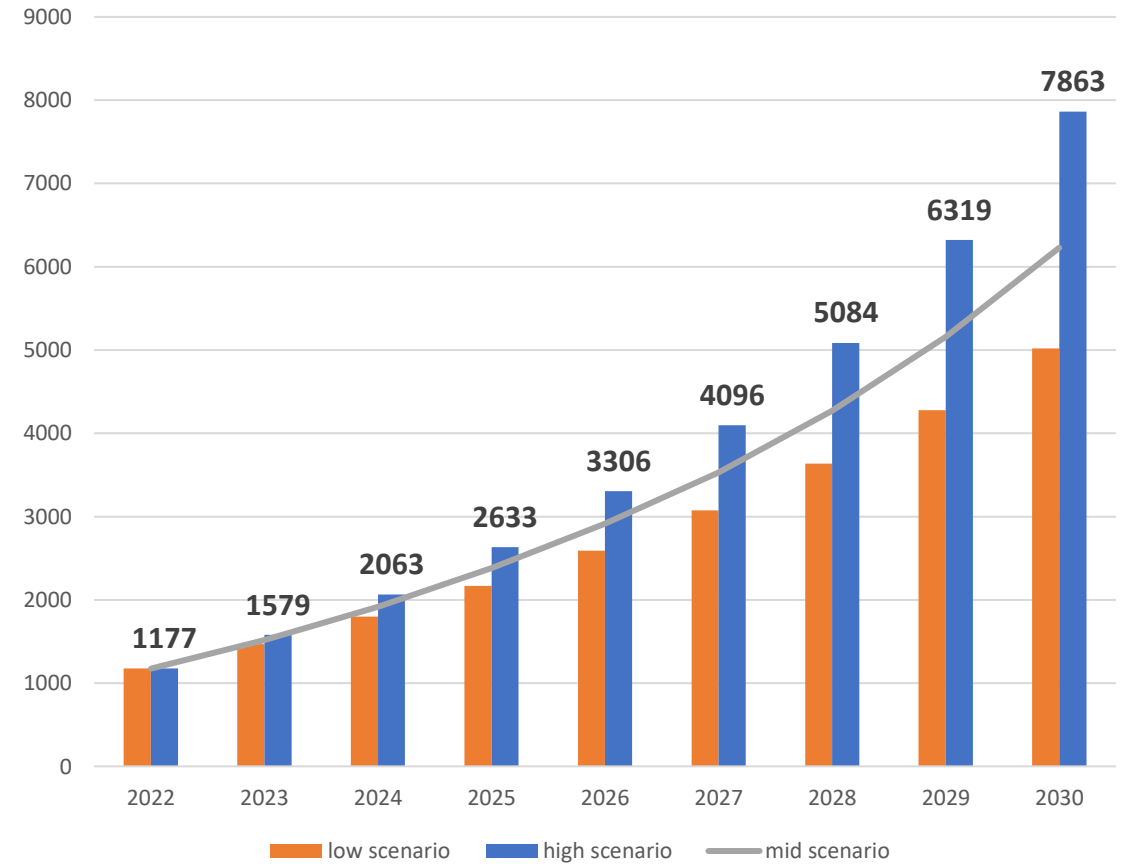


\$1 billion
per day invested in solar PV
projects

Global solar PV market scenarios 2022-2030

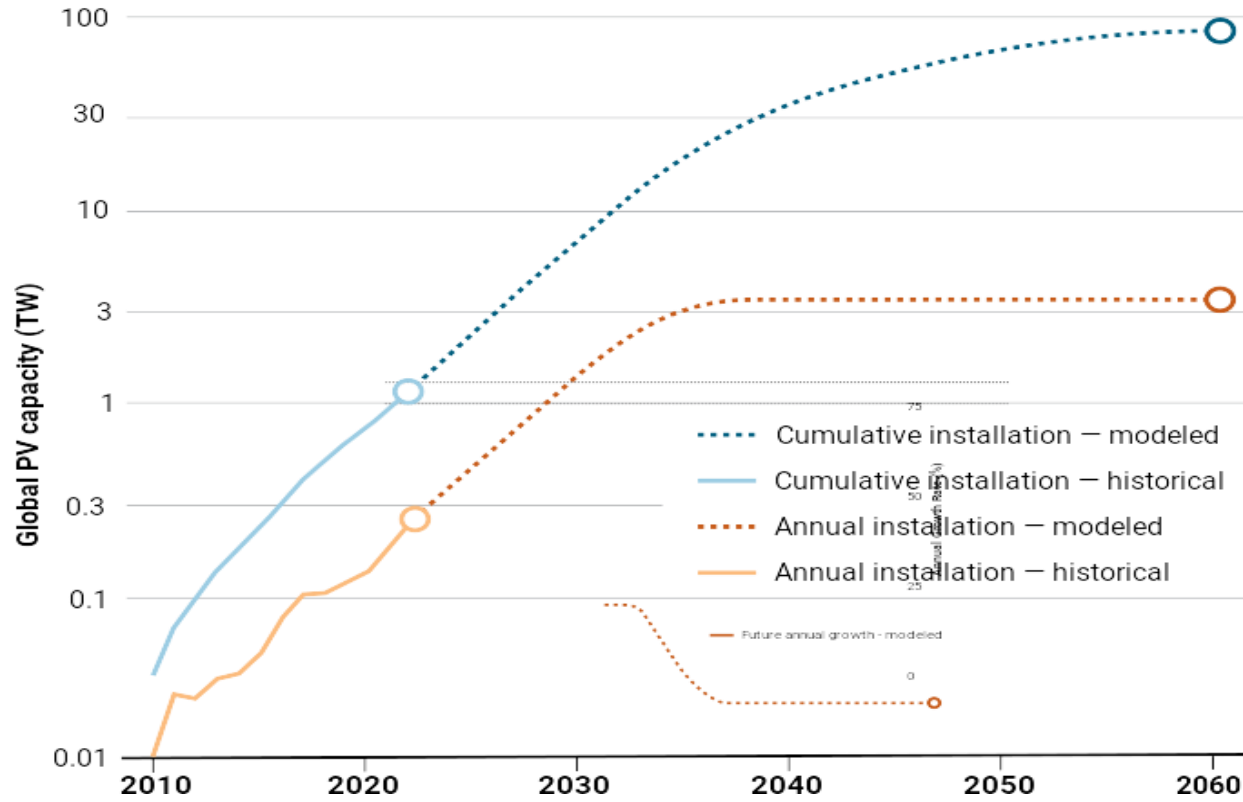


Global cumulative solar PV installed capacity 2022-2030

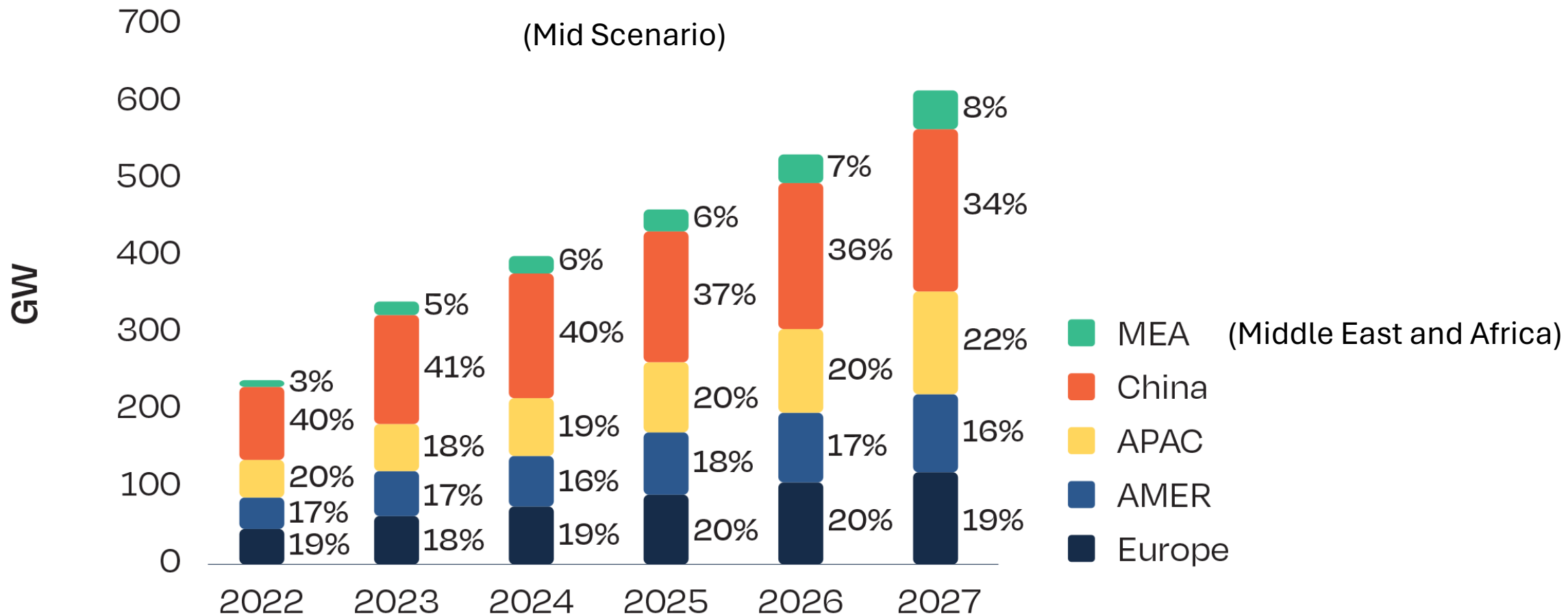


300million

Tonnes of CO₂ saved over last 50 years



Photovoltaics at multi-terawatt scale: Waiting is not an option, Volume: 380, Issue: 6640, Pages: 39-42, DOI: (10.1126/science.adf6957)

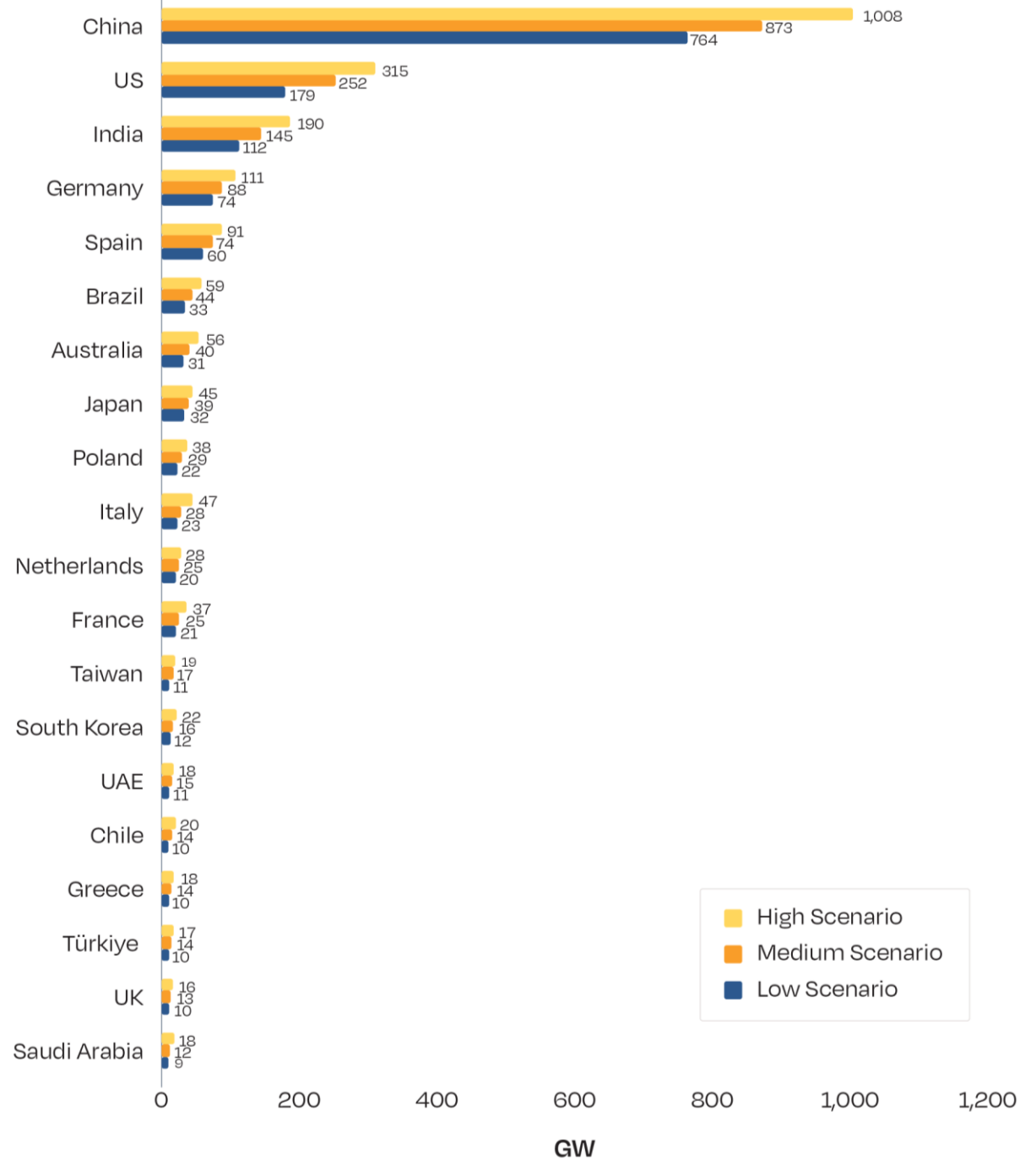


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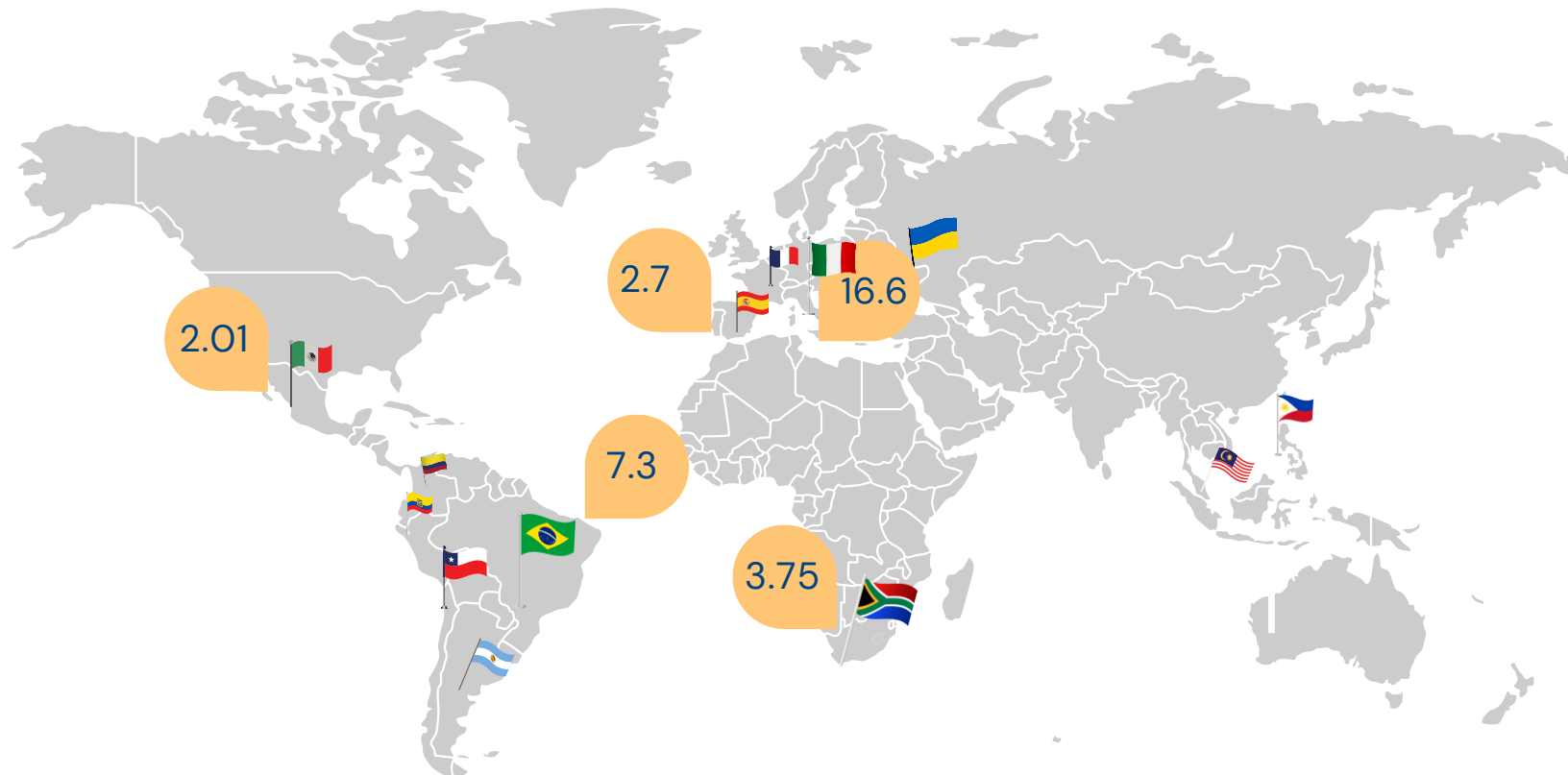
Evolution of Annual Regional Solar PV markets

Top 20 Markets Additions 2023 - 2027

3019809



Gigawatt scale distributed solar markets





New build
New solar

Agrivoltaics

Resilient
with solar

Solar
Stewardship
Initiative

Governance and Business Ethics

1. Business Integrity
2. Policy and Management
3. Stakeholders and Communities
4. Transparency
5. Responsible Sourcing

Environment

6. Greenhouse Gas Emission Management
7. Water Management
8. Waste Management
9. Pollution Management
10. Biodiversity Management
11. Circularity

Human and Labour Rights

12. Human Rights
13. Labour Rights
14. Occupational Health and Safety



OUR TEAM

The GSC's Secretariat is made up of a growing international team with wide-reaching experience and expertise in solar and other renewables across the private and public sectors.



**MÁTÉ
HEISZ**

Chair



**SONIA
DUNLOP**

Chief Executive Officer



**QUN
WANG**

Senior Strategic Advisor



**ABDALLAH
ALSHAMALI**

Policy & Projects Director



**ALYSSA
PEK**

Strategy & Communications
Director



**SAGE
THOMSON**

Director of Partnerships



**LARS
GRANVILLE**

Project Officer



**JOHN
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Thank you

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