## Nexus approach at work: "Standards for the SDGs"

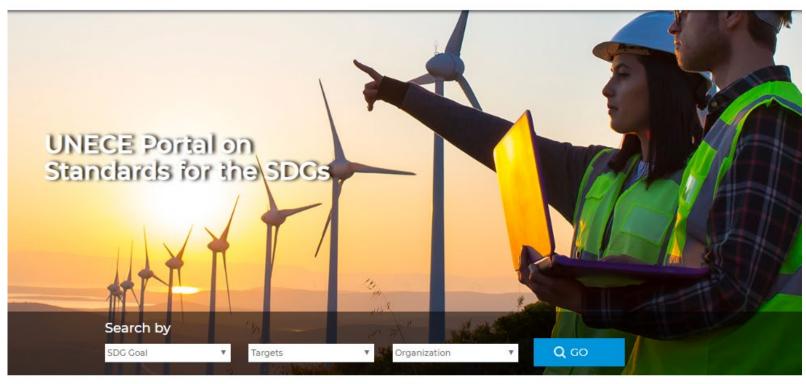
Lorenza Jachia Secretary, Working Party on Regulatory Cooperation and Standardization Policies (WP.6) United Nations Economic Commission for Europe (UNECE)



## Portal launched today on World Standards Day



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#### Welcome to the UNECE Portal on Standards for the SDGs

This portal offers users: a tool to identify standards that help to realise Sustainable Development Goals and Targets; a collection of case studies of countries, cities and regions that have successfully used standards for sustainability, as well as supporting online training materials.

We hope you will make good use of this portal and contribute to its further development.



STANDAR	RDS		
Search	by v 7.2 - Renewables v	Organization	• GO
Displaying 37 - 40 of 118 re ORGANIZATIO		IEC ORGANIZATI	Items per page 4 🔻
Title: Standard Number: Organization	Photovoltaic concentrators (CPV) Performance testing IEC 62670 series 🖉 IEC TC 82 🖉	Title: Standard Number: Organization	Salt mist corrosion testing of photovoltaic (PV) modules IEC 61701 대 IEC TC 82 대
responsible: Goal: Targets:	SDG 7 - Affordable and clean energy 며 7.1 - Access to Enelogy Services 며 7.2 - Renewables	responsible: Goal: Targets:	SDG 7 - Affordable and clean energy 🗗 7.1 - Access to Energy Services 🗗 7.2 - Renewables

	ON	IEC ORGANIZATIO	N
Title:	Photovoltaic (PV) modules Ammonia corrosion testing	Title:	Photovoltaic system performance monitoring Guidelines for measurement, data exchange and
Standard Number:	IEC 62716 2		analysis
Organization	IEC TC 82 2	Standard Number:	IEC 61724 2
responsible:		Organization	IEC TC 82 2
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	7.2 - Renewables	Targets:	7.1 - Access to Enelogy Services 🗳 7.2 - Renewables



## **Database: 1000 Standards and Counting**

The database allows users to:

- Cross-reference standards through a dynamic search
- Link standards to SDGs and associated targets (currently, SDG6, SDG7, SDG11 and SDG13)
- Identify standards that support specific policies



## 2. Case Studies

- Practical experience of policy makers using international standards for sustainable development
- Presented by reaulatory authorities, ٠ governments and administrations, as well as regional groups
- Focused on: ٠
  - SDG6 Clean Water and Sanitation
  - **SDG7** Affordable and Clean Energy
  - **SDG11** Sustainable Cities and Communities
  - SDG13 Climate Action
- Examples ranging from the subnational and national to the global levels, and from all regions

#### Strategy

and the actual operation conditions. Likewise, in the conditions. test protocols, it seems pivotal to take into account the high levels of UV radiation under real operating Challenges and Lessons Learned

conditions in the Atacama Desert area.

#### Results and Impact

The current IEC standards have been conducive to the some larger companies may purchase the services greater adoption of solar PV in Chile. This has reached of supplier who provide extended certifications to a 5% share of generation in the national energy mix achieve greater quality, this is not necessarily an and contributed to an estimated reduction of 2.2 option available to all market actors. million tonnes of CO2e in 2017.

It is necessary to advance the development and impact of radiation conditions in the long-term extension of the current IEC standards, with the performance and durability of solar modules and aim of ultimately relying on standards, which could systems guarantee long-term operation and accurately estimate the life time of photovoltaic systems, in Potential for Replication different climatic and radiation conditions.

as to avoid the maximum emissions of tCO2e.

The rise in arid and desert zones, highlights the need Developing an extended version of IEC 61215 is for greater sharing of behaviour knowledge and crucial to adapt the tests to different climate-related certification of PV systems - under Atacama Desert conditions, and to provide a model that allows conditions - to other desert zones. The adoption of to simulate the loss of power and the correlation zero-emissions PV technologies could mitigate many factors between the accelerated laboratory tests of the more challenging aspects of life in such desert

When satisfied that the demonstrated supplier certifications are sufficient, project developers will seek the option with the lowest invest cost. Whilst

Challenges arose from the lack of awareness of the

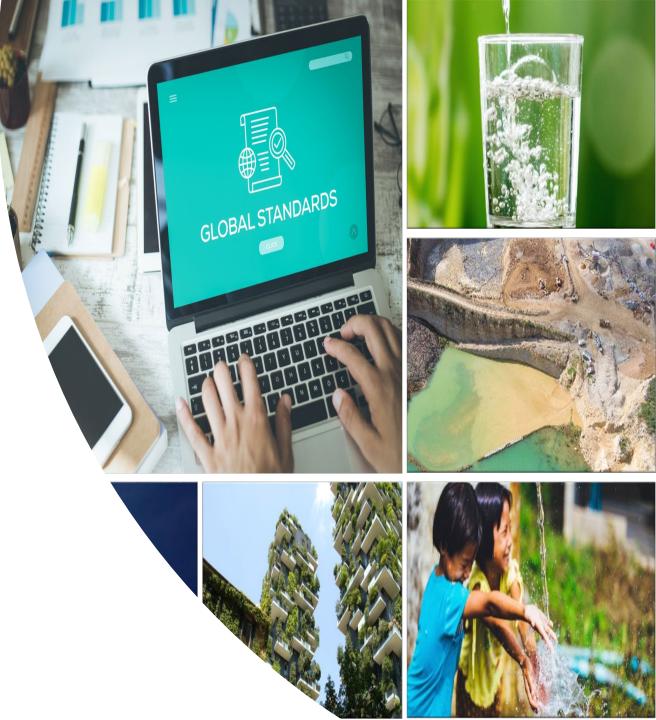
As a continental leader in the development of solar Specific challenges for areas with high solar PV, Chile's experience can inspire others to develop generation potential, such as the Atacama Desert, renewable systems. Further, the standards for present technological questions that need to be photovoltaic systems, which guarantee performance taken into account as part of the development of new and reliability under specific climatic conditions (e.g. IEC standards and/or when updating existing ones, so Atacama Desert), would equally serve as a benchmark for replication.

> Contact Name: Ana María Ruz Organisation: Chilean Solar Committee - CORFO



# Look forward to your cooperation

- Submit a case study: examples of how national or local governments have used standards sustainable development
- Map your standards: Send us a list of standards for consideration and inclusion in standards mapping database or help us review standards in the database
- Co-organize an awareness raising event on standards for SDGs at global or regional level
- Comment on forthcoming in depth reviews of "Standards for SDG 6 – 7 – 11 - 13" (will be issued between now and January 2020)



## Conclusions

This project will be ongoing for 2 more years

It has already contributed to:

- Increasing knowledge of the role of voluntary standards for policymaking
- Increasing awareness on the 2030 Agenda by standards bodies
- Strengthening partnership with other UNECE divisions and external partners
- Enhancing understanding on the benefits of using international standards for sustainable development



## Thank You to our donor



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