



# Forum on Regional Cooperation: Developing Quality Infrastructure for Photovoltaic Energy Generation

## Results of the Survey: A closer view to the regional QI situation

JOINTLY ORGANIZED BY

QUALITY INFRASTRUCTURE FOR ENERGY EFFICIENCY & RENEWABLE ENERGY IN LATIN AMERICA AND THE CARIBBEAN



AND



COMITECORFO

WITH THE CONTRIBUTION FROM:





30 answers



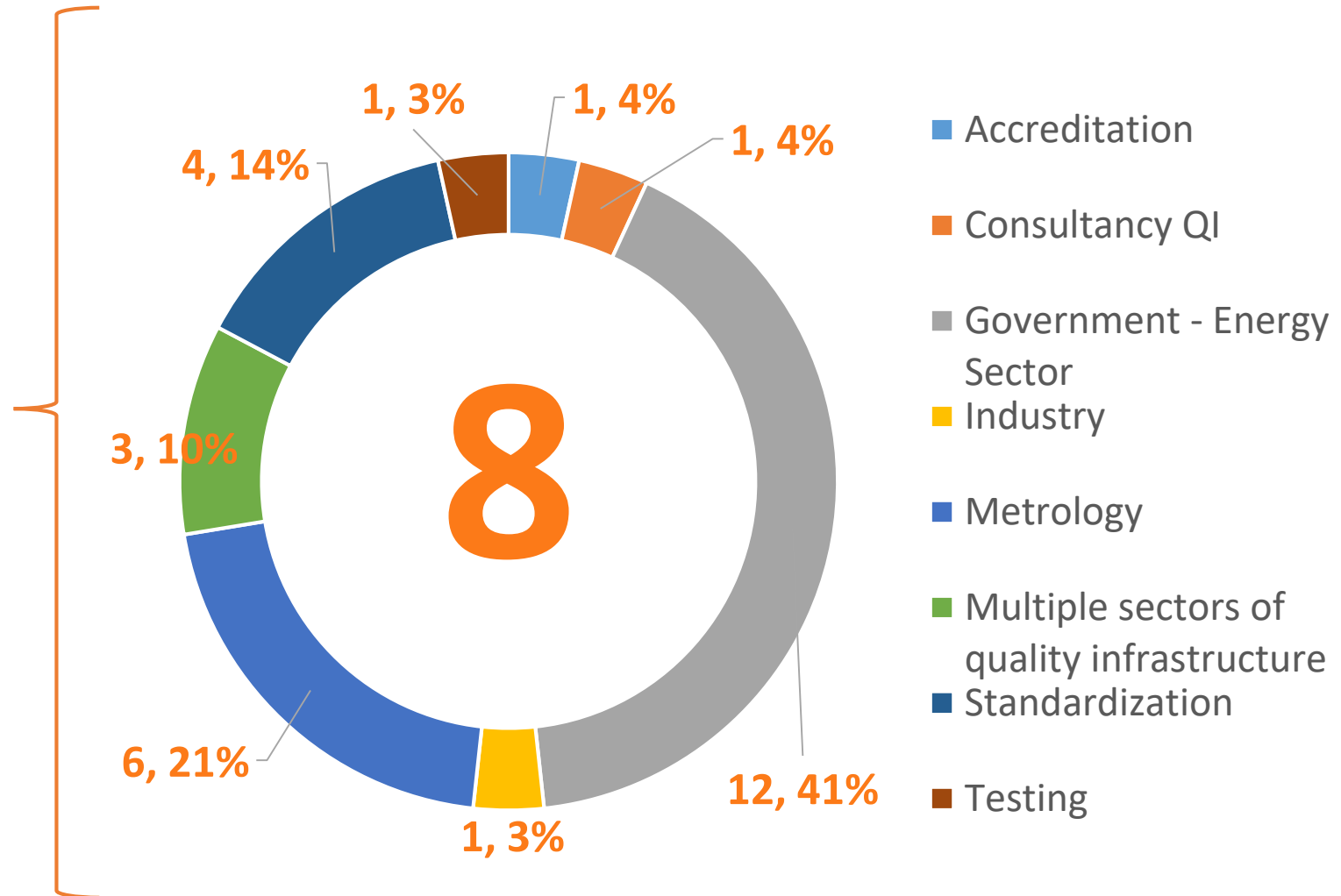
8 different sectors



17 Countries

- 15 from Latam

|                    |
|--------------------|
| Antigua            |
| Argentina          |
| Barbados           |
| Brazil             |
| Chile              |
| Colombia           |
| Costa Rica         |
| Cuba               |
| Ecuador            |
| El Salvador        |
| Germany            |
| Jamaica            |
| Mexico             |
| Dominican Republic |
| Switzerland        |
| Trinidad & Tobago  |
| Uruguay            |

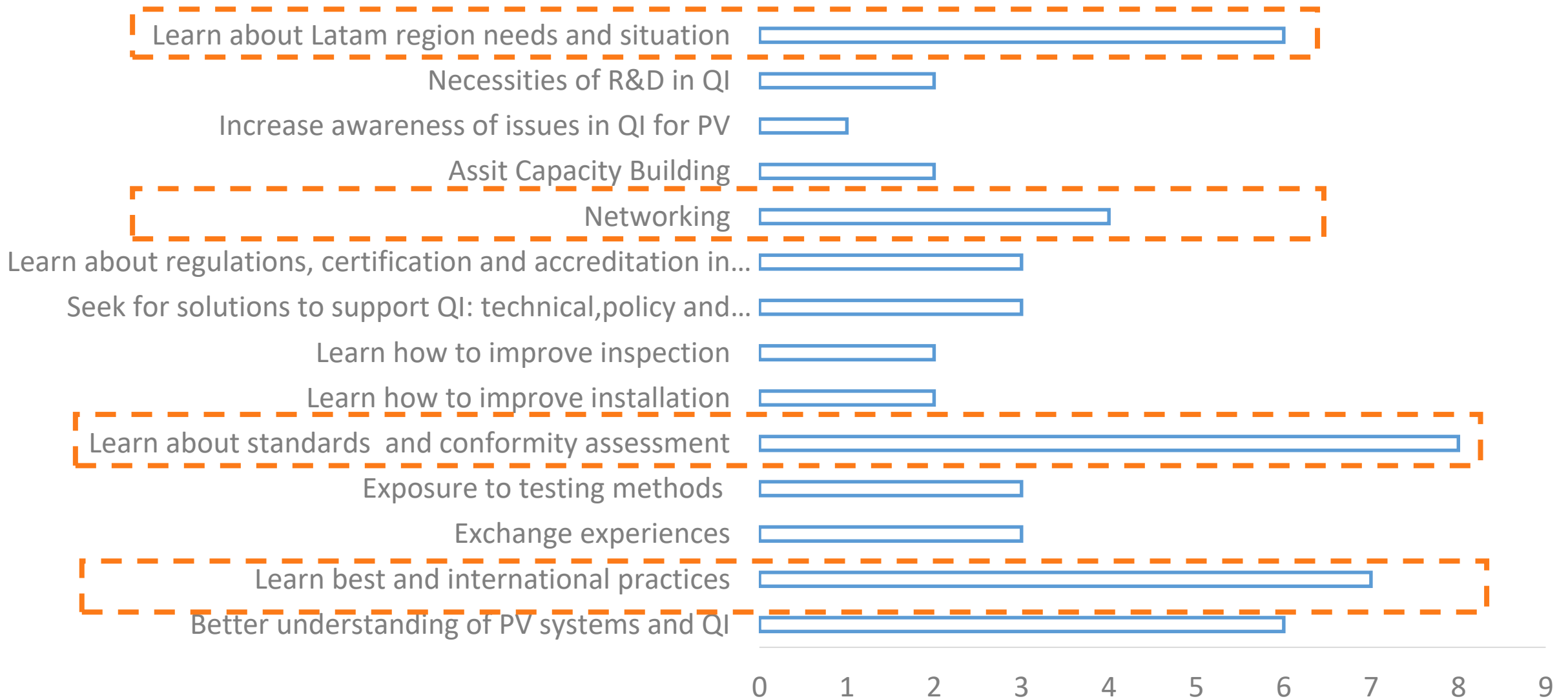


# Policies in Solar PV

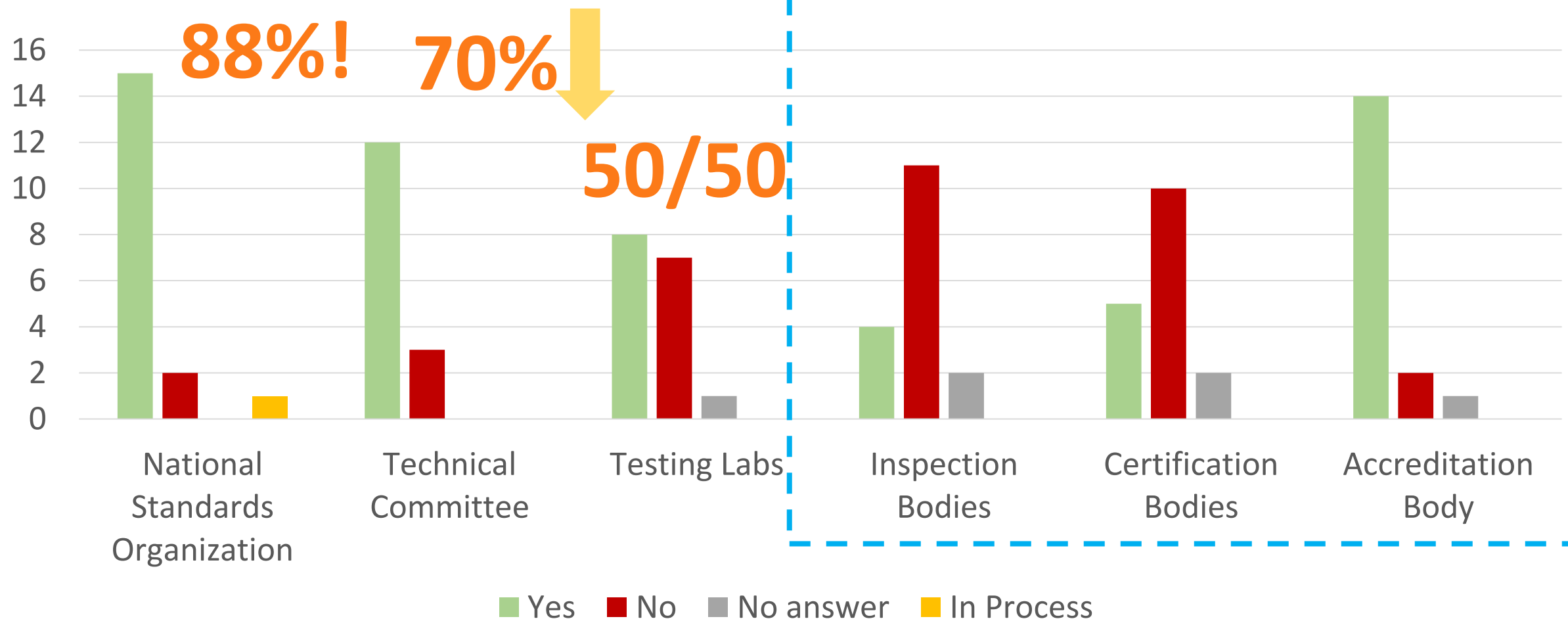
Does your country have policies in place to promote the use of photovoltaic systems?

Yes, in the different  
17 countries

# Expectations from the Forum



# QI: the current situation



**Metrology? Yes, in the 17 countries**

# Many successful experiences to share today



- Accreditation
- Standardization
- Multiple
- Metrology

- Bureau of Standards currently hosts a **team on industry stakeholders** who work on a committee to develop standards for solar PV” - *Jamaica*
- “Study national perspective of the operational conditions of the PV plants (**types and rates of failures**)” - *Chile*
- “ The 2017 edition of the **National Electrical Code** (National Regulations) with a photovoltaic chapter fully updated according to IEC standards.” - *Cuba*
- “**Development of testing** methods for panels leading to certification” - *Colombia*

# The challenges you mentioned



No local laboratory for  
verification of  
certification

High cost of  
establishing the testing  
infrastructure

Need for National  
Accreditation Body  
which is internationally  
recognized

Traceability to the  
measurement of  
reference solar cells

Develop appropriate  
conformity assessment

Study of penetration of  
VRE

Certification program  
for installers

Lack of Inspection  
Bodies

Adapt International  
Standards



# Actions you proposed!

Alignment  
of policies  
to QI

Database of  
solar PVs  
tested and  
approved

Assure  
traceability of  
measurements

Testing according  
international standards  
and best practices

Conformity  
assessment  
regimes

Master  
plan 100%  
renewable  
energy

Conformity  
assessment  
according to the  
region

Regional labs

Capacity  
Building

Installation  
of accredited  
laboratories

Assure safe  
installations

Interconnection

Regional  
Experts  
Network



# Thank you & have a successful workshop

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AND



International Renewable Energy Agency



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PROGRAMA  
ENERGÍA SOLAR

WITH THE CONTRIBUTION FROM:



Chile  
National Committee  
of the IEC