

# Advancing Digital Transformation in the Americas: Collaborative Efforts in QICA

SIM-CONFERENCE-M4DT 2024

October 9, 2024

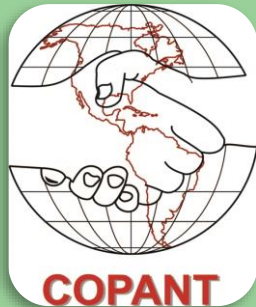




Quality Infrastructure Council of the Americas

QICA website:

<https://qica.site/en/>



**Pan American Standards  
Commission**



**Inter-American Accreditation  
Cooperation**



**Inter-American Metrology  
System**



Quality Infrastructure Council of the Americas

QICA is a platform for developing joint regional projects, information exchange, training and development of specific functions that, by acting in coordination, surpasses the capacity of any single organization acting alone.



**MISSION:** QICA comprises the regional accreditation, metrology and standardization organizations of the Americas, focused on fostering regional cooperation and national collaboration to promote the benefits and use of the Quality Infrastructure in support of the sustainable development of the countries of the region.



**VISSION:** To be the facilitator recognized for its contribution to the extended use of the quality infrastructure in the countries of the Americas, and an international reference for regional collaboration.

# Advancing Digital Transformation in the Americas



**SIM:** SIM's digital transformation initiatives focus on strengthening measurement capabilities to support emerging technologies and industries in Latin America and the Caribbean. Key projects conducted by SIM Council and Working Group 14 (Digital Transformation) that are addressing digitalization of NMI services, remote calibrations and automation of them, calibration certificates and research projects. Also a diagnosis of DT in the health is going to begin as well as a Pilot project of a Metrology Cloud. With support from the IDB and PTB, SIM is driving awareness, technical projects, and institutional strengthening to adapt to the evolving demands of Industry 4.0



**IAAC:** Through the *Accreditation for Digital Transformation (A4DT)* program, IAAC is spearheading the digital shift in accreditation services. Its strategic objectives for 2030 include developing digital competencies, enhancing interoperability, and sharing technological solutions among accreditation bodies in the region

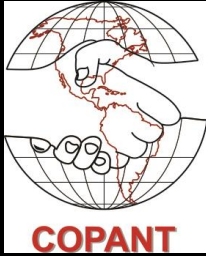


**COPANT:** COPANT's Digital Transformation Program is designed to boost the digital capabilities of its member bodies. The program's phases include awareness-raising, self-assessment of digital maturity, and collaboration with international initiatives like SMART Standards. COPANT is also actively seeking external funding to support the implementation of these digital strategies

# Digital Transformation Coordination among SIM, IAAC, and COPANT



- Each organization has made progress in digital transformation initiatives, but there has been a **lack of coordination and integrated efforts** across the three entities.
- Current efforts include:
  - **SIM's metrology focus:** Digital tools for healthcare and metrology services.
  - **IAAC's accreditation initiatives:** Aiming for interconnected, interoperable, and accessible conformity assessment processes.
  - **COPANT's standardization goals:** Working towards "Smart Standards" and improving online standardization systems.
- It is crucial to **plan a collective effort** that considers the **interoperability of systems, shared technological solutions, and coordinated digital infrastructure development.**
- A proposed next step would be to **initiate discussions to define joint actions**, starting with key areas such as the digitalization of standards, calibration certificates, and accreditation scopes, as well as exploring international collaboration opportunities for a shared digital infrastructure.



# Programa de Transformación Digital de COPANT

## COPANT Digital Transformation Program

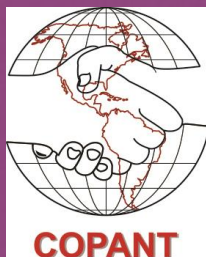
**DIGITAL  
TRANSFORMATION**

The background is a dark grey surface covered with various white and blue icons representing business and technology concepts. These include gears, a dollar sign, a bar chart with a question mark and '70%', a lightbulb, a stack of money, a compass, a person icon, a tree diagram, and a large blue arrow pointing upwards and to the right. The text "DIGITAL TRANSFORMATION" is written in large, bold, blue capital letters across the middle of the image.



# Programa de Transformación Digital

## Digital Transformation Program



El Programa de Transformación Digital de COPANT está diseñado para fortalecer las capacidades digitales de los organismos miembros.

**Objetivo:** Potenciar las capacidades de los ONN miembros en transformación digital.

**Fase 1: Sensibilización y Capacitación (2024):** Sensibilización y capacitación de abril a octubre 2024.

**Próximo paso:** Envío de formulario de autoevaluación de madurez digital para establecer una línea de base y buscar financiamiento externo.

COPANT's Digital Transformation Program is designed to strengthen the digital capabilities of member bodies.

**Objective:** to enhance the capabilities of member NSBs in digital transformation.

**Phase 1: Awareness and Training (2024):** Awareness raising and training from April to October 2024.

**Next step:** Submission of digital maturity self-assessment form to establish a baseline and seek external funding.

1.

**Grupo de Trabajo:  
Working Group**

Expertos de los ONN con enfoque en Tecnologías de la Información (TI).

Experts from NSBs with a focus on Information Technology (IT).

Apoyo técnico en todas las etapas del programa.

Technical support at all stages of the program.

2.

**Primera Fase:  
Sensibilización y Capacitación**

**Phase One: Awareness Raising and Training**

- Evento de concienciación virtual sobre la importancia de la transformación digital.

- Virtual awareness event on the importance of digital transformation

- Módulos de capacitación virtual para apoyar en el autodiagnóstico, planificación y ejecución.

- Virtual training modules to support self-diagnosis, planning and execution.

- Capacitación a la Alta Dirección sobre estrategias de liderazgo.

- CEOs training on leadership strategies.

3.

**Segunda Fase:  
Autoevaluación**

**Second Phase: Self-assessment**

Envío de cuestionario de autoevaluación para conocer el nivel de madurez digital de cada ONN participante del programa.

Submission of a self-assessment questionnaire to determine the level of digital maturity of each participating NSB in the program.

4.

**Tercera Fase: Guía Práctica y Colaboración**

**Third Phase: Practical Guidance and Collaboration**

- Desarrollo de una guía práctica con apoyo de expertos de los ONN.

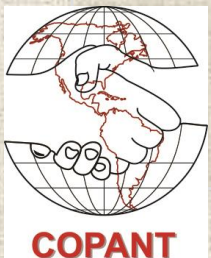
- Development of a practical guide with the support of experts from NSBs.

- Búsqueda de financiamiento externo utilizando como línea de base los resultados de la autoevaluación.

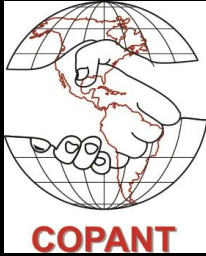
- Search for external funding using the results of the self-assessment as a baseline.

- Colaboración con los proyectos internacionales como Normas SMART y Plataforma OSD.

- Collaboration with international projects such as SMART Standards and OSD Platform.







**GRACIAS**

**THANK YOU**

Kory Eguino  
Secretaria Ejecutiva de COPANT  
Keguino

**DIGITAL  
TRANSFORMATION**

