

A background image showing a hand holding a complex, glowing network of white lines and dots, resembling a globe or a data network. The hand is positioned at the bottom, with fingers spread, supporting the network. The network is composed of many small white circles connected by thin white lines, creating a dense, spherical structure. The background is a soft, out-of-focus blue and white.

Report of PTB International Cooperation to SIM General Assembly

November 12, 2021

Content

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<https://www.covid19.ptb.de/>

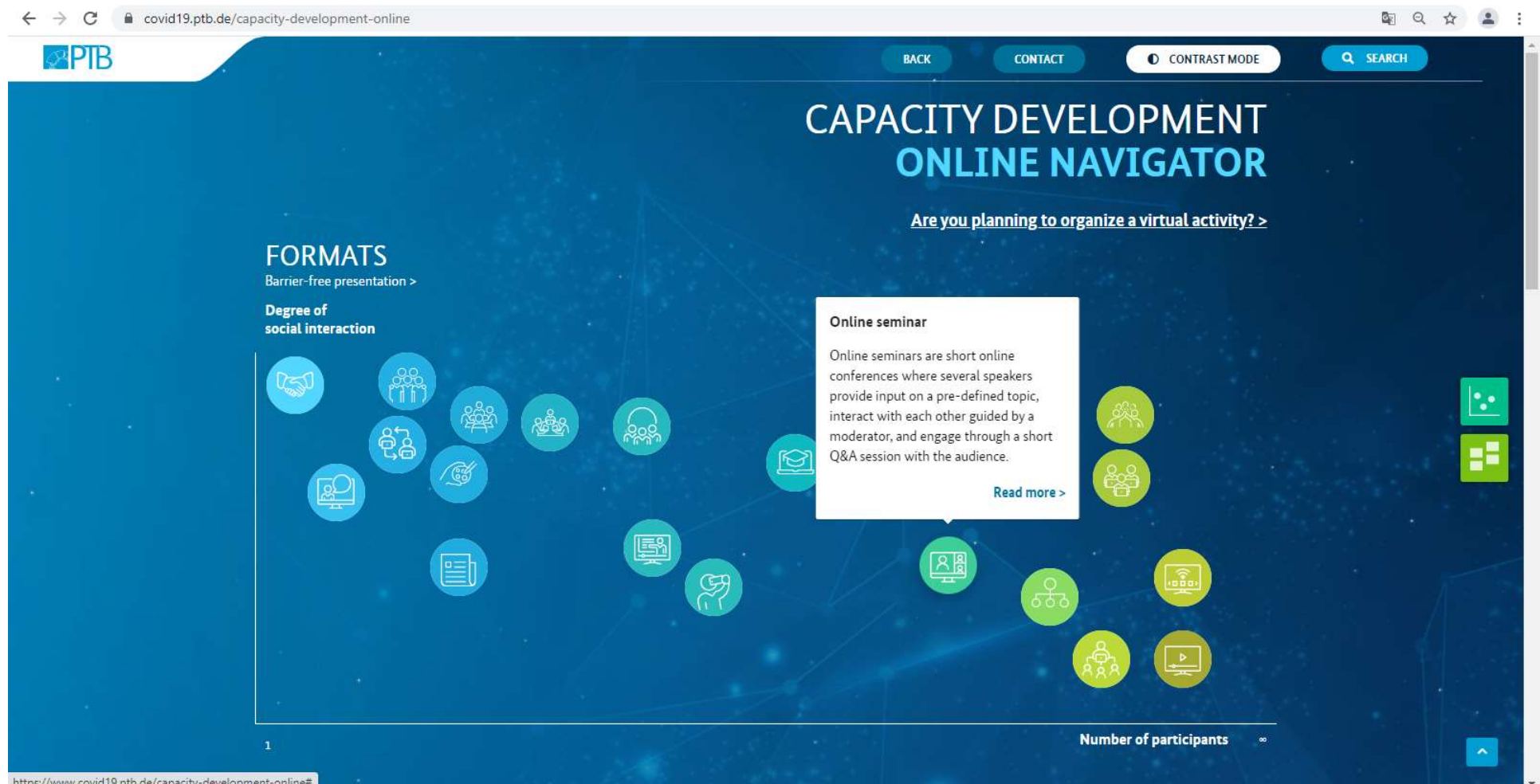


The screenshot displays the PTB COVID-19 website. At the top, a large banner features a person in a blue protective suit and mask, with the text "COVID-19 RESPONSE TOPICS" and "APPROVAL of medical protective material". Below this, a "TOPICS" section lists several key areas of focus, each with a corresponding image and a right-pointing arrow:

- Approval of medical protective material**: Accompanied by an image of a person in a blue protective suit and mask.
- Testing of respiratory equipment**: Accompanied by an image of a person wearing a green respirator.
- Digital work**: Accompanied by an image of a man working on a computer.
- Guide to Quality for Medical Laboratories Performing Molecular Tests for Covid-19**: Accompanied by an image of a microscope and a virus particle.
- Information from the Federal Ministry for Economic Cooperation and Development, BMZ**: Accompanied by an image of a person using a tablet.
- Economy**: Accompanied by an image of a person in a blue hard hat and mask.
- Calibration of infrared thermometers**: Accompanied by an image of an infrared thermometer.
- Virtual Hands-on Laboratory Training**: Accompanied by an image of a person in a lab coat working with equipment.

On the left side of the website, there is a large, stylized world map composed of small squares, indicating international cooperation. Below the "TOPICS" header, a small text block states: "This website shows the results of the PTB's International Cooperation Group task force's work and gives our partner inst information, ordered by the following topics." followed by a "READ MORE" link.

<https://www.covid19.ptb.de/> continuous development of tools
and experience exchange



The screenshot shows the 'CAPACITY DEVELOPMENT ONLINE NAVIGATOR' website. The header includes the PTB logo, navigation links (BACK, CONTACT), a CONTRAST MODE toggle, and a SEARCH button. The main content area features a 'FORMATS' section with a 'Barrier-free presentation >' link and a 'Degree of social interaction' filter. A central diagram shows various activity icons (e.g., handshake, group discussion, presentation) arranged in a grid. A pop-up box titled 'Online seminar' provides a description: 'Online seminars are short online conferences where several speakers provide input on a pre-defined topic, interact with each other guided by a moderator, and engage through a short Q&A session with the audience.' A 'Read more >' link is present. The bottom of the page shows a 'Number of participants' range from 1 to ∞.

Selected Activities & Milestones



fully remote project implementation and management continues

- fine tuning of virtual formats for workshops, steering committee meetings, knowledge exchange formats
- project management completely online

- **Metrology for Digital Transformation:**
support of 2nd online conference, September 2021

8th Edition of „De acuerdo“ Magazine,— „Sustainable Development“

- 12 articles
- written by scientists from SIM NMIs and journalists from 8 countries
- pre-launch on November 18
- www.revistadeacuerdo.org

Selected Activities & Milestones: Projects

Regional Fund Quality Infrastructure for Biodiversity and Climate Protection

- 2014-2022, German contribution: 4 million €
- 16 subprojects approved by the Project Steering Committee;
- in each subproject, at least 3 participating countries, focusing on Accreditation, Metrology or Standardization;
- of the 11 subprojects in Metrology, two have been finished successfully, and 9 are still ongoing.
- objective: the metrological system in the fields of biodiversity and climate protection has improved;
- focus:
 - develop new methods;
 - participate in intercomparisons;
 - declare CMCs;
 - develop (certified) reference material.



Selected Activities & Milestones: Projects

Regional Quality Infrastructure for Circular Economy

- 2020-2023, German contribution: 3 million €
- Project Steering Structure established
- Implementation Agreement signed
- launch of activities in June – 2-days workshop with 200+ participants from 20+ countries
- start of CABUREK-work in three groups according to topics of interest



• Agri-food



• Construction



• Plastics.



Development of Basic Metrology Infrastructure to Support Medical Testing Equipment



covid19.ptb.de

Objective: Exchange and dissemination of existing experiences and knowledge between NMIs, industry, national health systems and secondary calibration labs;
support to the development of low-cost mechanical ventilators designed by SIM NMIs and produced by private companies or government institutions

11/2020 - 07/2022, 100.000 €

Activities:

- four virtual workshops with over a hundred participants each;
- low volume intercomparison in preparation with 12 participating NMIs;
- support to certify a reference material for SARS-CoV-2 detection with 7 participating NMIs.

Projects: in implementation and in preparation

	Economic Development	Energy	Climate & Biodiversity; Nat. Ressources	Water & Sanitation
Regional	Circular Economy		Regional Fund BioDiv & Climate	
Subregional	Caribbean (EU funded)	Caribbean II, MERCOSUR II		
National	Colombia (German Gvt. & EU funded)	México, Ecuador, Bolivia Brazil II	Guatemala II, Perú II	Bolivia, Nicaragua

Muchas gracias
Muito obrigado

Merci

Thank you
Dank u wel