



United Nations



Accessibility in Indico.UN

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Why accessibility is important?

An estimated 1.3 billion people – or 16% of the global population experience a significant disability today.

Accessible platforms provide equal access and foster inclusive participation and information sharing for persons with disabilities.

Accessibility is not a project but a process.



Strategic objective and UN Disability Inclusion Strategy

Roadmap – Strategic objective

Implement the latest WCAG standards for accessibility supporting the request from the GA to the SG following the adoption of the Convention on the Rights of Persons with Disabilities (CRPD) on 13 December 2006 (resolution A/RES/61/106).

Support DGACM USG's commitment to the Senior Management's compact (Improve the accessibility of Secretariat support, paving the way for further innovation and improving the technological solutions created and used by departments). Comply with OICT accessibility standards.



UN Disability Inclusion Strategy was launched in June 2019 by the Secretary-General.

The Strategy includes a Policy and an Accountability Framework, where Indicator 6, promotes the accessibility of ICT and digital communications in the United Nations.

Actions taken to improve accessibility of Indico.UN

Accessibility assessment by User 1st

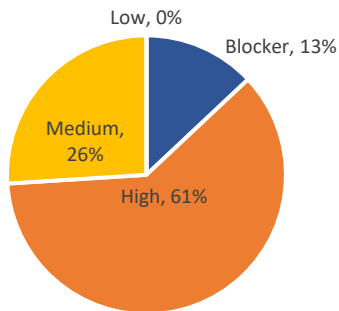
Version 1

Manual blocker issues	11
Manual high issues	51
Manual medium issues	22

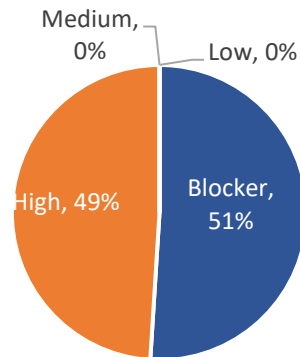
Version 2

Manual blocker issues	11
Manual high issues	14
Manual medium issues	0

Web Content Accessibility Guidelines - Severity of issues



Web Content Accessibility Guidelines - Severity of issues



Indico.UN improved accessibility from v1 to v2

Workshop held in October 2021

Contributors: Indico developers from CERN, Indico.UN and Sergey Kochetkov.

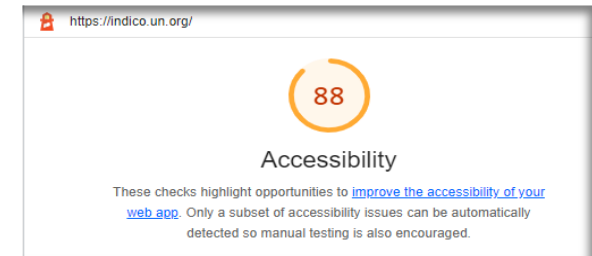
Facilitators:

- José Viera, Chief Executive Officer, World Blind Union and Representative of the Stakeholder Group of Persons with Disabilities
- Mohammed Ali Loutfy, PhD, Senior Advisor on Capacity Building and Advocacy, The Global Initiative on Inclusive ICTs (G3ICT)
- Christopher M. Lee, PhD, Vice President, International Association of Accessibility Professionals, Managing Director at The Global Initiative for Inclusive ICTs (G3ICT)
- Laine Amoureux, Account Representative, International Association of Accessibility Professionals and The Global Initiative on Inclusive ICTs (G3ICT)

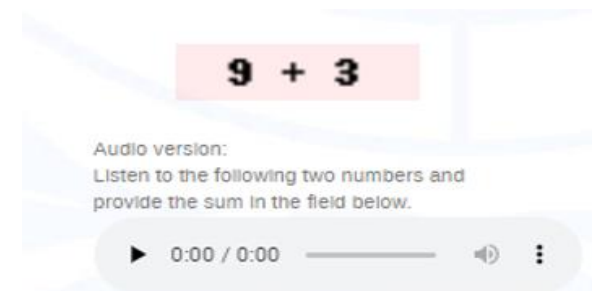
Defined actions requiring Indico.UN follow-up before transition to Python 3

Actions taken to improve accessibility of Indico.UN

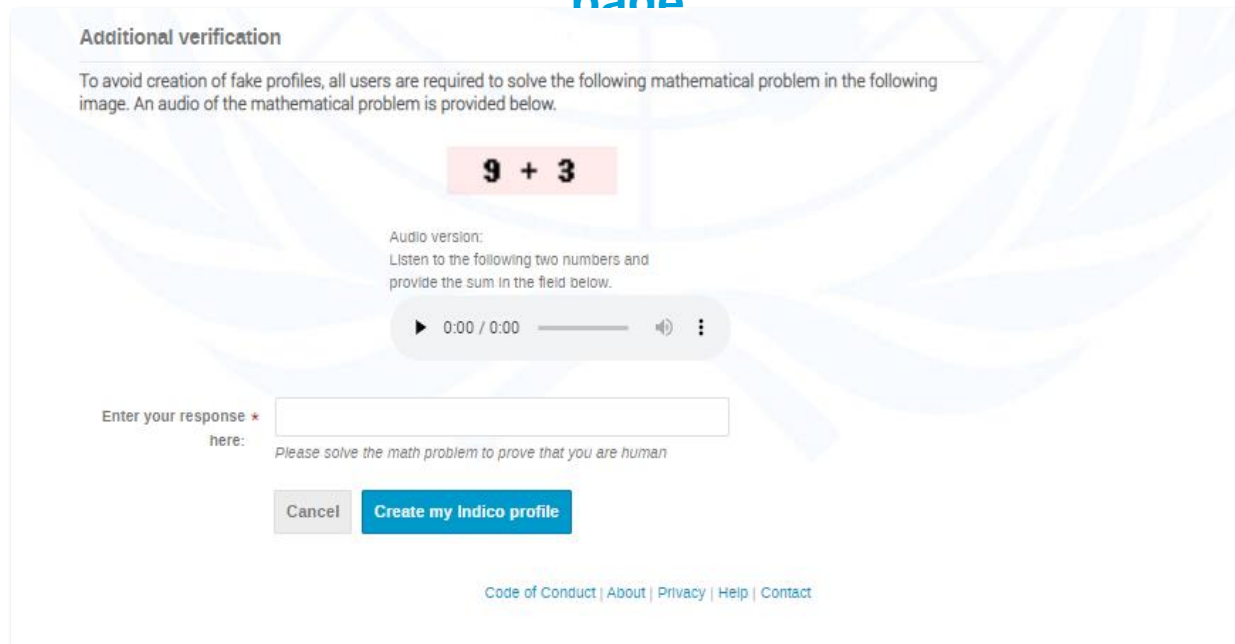
- Testing through Google Lighthouse scored Indico.UN at **>85%**.
- **Enhanced CAPTCHA** functionality by adding audio player
- The **user accessibility test** was conducted in Jan 2023 with two users with visual disability using the **JAWS screen reader**.
The test focused on **participants' experience using Indico.UN**:
 - accessing the event information;
 - creating an Indico.UN profile;
 - registering for the event.Improvements were identified and will be implemented in the coming months (i.e. Order and description of interface elements, etc.)



Released on 7 Dec 2022



Create an Indico.UN account page



Additional verification

To avoid creation of fake profiles, all users are required to solve the following mathematical problem in the following image. An audio of the mathematical problem is provided below.

9 + 3

Audio version:
Listen to the following two numbers and provide the sum in the field below.

▶ 0:00 / 0:00

Enter your response *
here:

Please solve the math problem to prove that you are human

Cancel **Create my Indico profile**

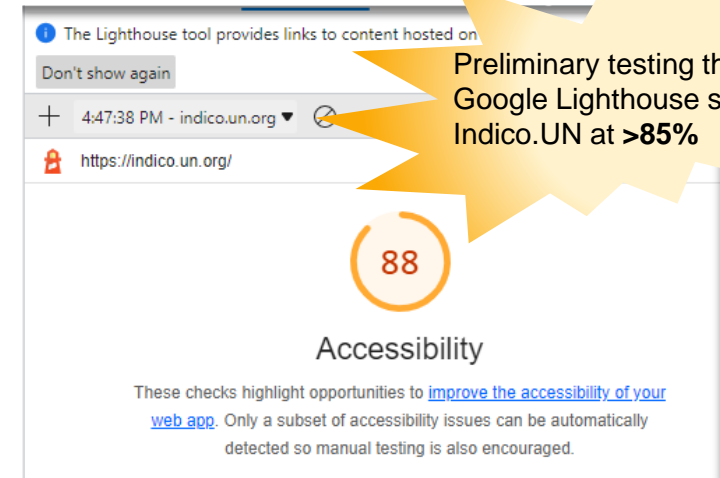
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Audio version of CAPTCHA (released on 7 Dec 2022)

- Following the feedback from participants with disabilities and event organizers:
- audio version of the CAPTCHA in the Indico.UN account creation form was implemented.
 - CAPTCHA instructions revised

Ongoing activities and improvements

- **Systematic internal** review of accessibility together with persons with disability
- Include regular accessibility testing of Indico.UN monthly releases, using **industry recognized tools** (i.e. Google Lighthouse, ANDI, etc.)
- Improve **communication** on accessibility features in Indico.UN, through dedicated bulletin
- Organize **training** for event managers on how to use accessibility features in Indico.UN
- Reach out to key **users** and stakeholders to collaborate on improvements
- Provide recommendations to improve the UNOG **Standard Operating Procedures**, as necessary



Accessibility – more activities for 2023

- Review and make Indico.UN training materials more accessible.
- Update the dedicated Guide for conference organizers on how to make events/registrations forms on Indico.UN more accessible.
- Conduct external accessibility review of Indico.UN and Indico core.
- Improve accessibility in future Indico versions, in collaboration with CERN, using dedicated 2023 funding.





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THANK YOU

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