



Presentation on Policies ICT tools and applications for people with disabilities

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OVERVIEW

- 80% of the total 500 million disable people lives in the developing country.
- Among ESCAP regional members, 35 Governments (70 per cent) have signed the Convention, and 24 Governments (about 34 per cent) have ratified it. A total of 34 Governments reported that the Convention was available in their respective national languages, thereby enhancing awareness of the Convention, while 27 reported on the availability of the Convention in diverse formats: Braille (13), audio (11) and/or electronic formats (23).



LIMITED ACCESS TO INFORMATION AND COMMUNICATIONS TECHNOLOGIES

- Research shows that the ESCAP region has seen a low rate of adoption of disability-friendly accessibility standards regarding information and communications technology (ICT).
- Australia, China, New Zealand, the Republic of Korea and Thailand are among the Governments that have promoted the implementation of accessibility standards/guidelines for government websites; some of these websites are monitored.
- Bangladesh's Young Power in Social Action (YPSA) as a CSO has participated in government-led initiatives to promote ICT accessibility for persons with disabilities.
- In general, the lack of financial and technical capabilities as well as information and statistical data makes effective policy intervention difficult



ACCESS TO KNOWLEDGE IN CRPD

Article 9

- To enable persons with disabilities to live independently and participate fully in all aspects of life, States Parties shall take appropriate measures to ensure to persons with disabilities access, on an equal basis with others, to the physical environment, to transportation, to information and communications, including information and communications technologies and systems, and to other facilities and services open or provided to the public, both in urban and in rural areas...



ACCESS TO KNOWLEDGE IN INCHEON STRATEGY

- **Key principles and policy direction *Para 7***

Persons with disabilities have access to the physical environment, public transportation, knowledge, information and communication, in a usable manner, through universal design and assistive technologies with reasonable accommodation provided, and taking into consideration the need to accommodate economic, geographic, linguistic and other aspects of cultural diversity, which altogether constitute a critical bridge to fulfilling their rights;



DIGITAL ACCESSIBLE INFORMATION SYSTEM

DAISY

- **The DAISY Consortium** is a global consortium of organizations committed to a common vision and mission, which pools and coordinates resources to deliver global change. It work towards creating the best way to read and publish. www.daisy.org
- **DAISY Digital talking books** are a form of Information Communication Technology (ICT) that is contributing to development in Bangladesh
- **IRCD** was established on April 2005 by Young Power in Social Action (YPSA)Chittagong, Bangladesh.. IRCD center continues to make all kinds of books in DAISY format and works for promotion of DAISY in Bangladesh. www.ypsa.org
- **DTB Production:** IRCD has already produced more than 500 Digital Talking Books on various issues: Including Livelihood, Literature, Disaster Preparedness and Management, Primary and reproductive health, HIV/AIDS, Law, Agriculture, English language text, Digital Talking Drama books etc.
- We are extremely glad to inform you that, with the help of Access to Information (A2I) prime minister office, all the text books of Class-I to V have been converted into accessible format and have been uploaded in to Jatiyo E Tothiyokosh (National Content Repository) for availability and sustainability. www.infokosh.bangladesh.gov.bd



WEB ACCESSIBILITY

- **Web accessibility** refers to the inclusive practice of removing barriers that prevent access to websites by people with disabilities. When sites are correctly designed, developed and edited, all users have equal access to information and functionality.
- **Web Content Accessibility Guidelines (WCAG)** are part of a series of Web accessibility guidelines published by the Web accessibility Initiatives (WAI) of the World Wide Web Consortium (W3C), the main international standards organization for the World Wide Web.
- The current version, **WCAG 2.0** is the widely used standard all over the world.



TOOLS AND APPLICATIONS FOR ADAPTING TECHNOLOGY

- Assistive technology software such as screen readers, screen magnifiers and onscreen keyboards are available as either proprietary or open source products.
- **Open source software** is **software** whose **source** code is available for modification or enhancement by anyone.
- **Open source Toolkit:**
 - NVDA,
 - AMIS,
 - Digital Braille,
 - Refreshable Braille display,
 - Screen reading software,
 - Mobile phone accessibility,
 - Android phone accessibility,
 - Screen magnifier,
 - Text based mobile communication for speech and hearing disability.



THANK YOU

