"Achieving ICT accessibility through capacity building, training and education"

Dónal Rice
NUI Galway, ITU, CEUD
Ireland

ITU Forum : ICT Accessibility, a requisite towards an inclusive digital society

ICT Accessibility A Requisite Towards An Inclusive Digital Society

23 February 2018, the Zero Project Conference - Vienna, Austria

WEB ACCESSIBILITY: DIGITAL CONTENT AND WEBSITE DEVELOPMENT

ITU ACTIONS AND KEY RESOURCES

ROLE OF GOVERNMENT IN IMPLEMENTING ICT ACCESSIBILITY

PROCUREMENT OF ACCESSIBLE ICTs

IMPACT OF UNIVERSAL DESIGN ON ICT PUBLIC SERVICE ACCESSIBILITY

TOWARDS ACCESSIBLE EUROPE 2018

ITU REGIONAL INITIATIVE FOR EUROPE ON ACCESSIBILITY, AFFORDABILITY AND SKILLS DEVELOPMENT FOR ALL TO ENSURE DIGITAL INCLUSION AND SUSTAINABLE DEVELOPMENT

Friday 23rd February 2018.
14:10 – 15:40

Presentation overview:

Aim of presentation:

To provide a snap shot of some leading practices and examples of capacity building, and online training and education on ICT accessibility.

Disclaimer:

Not a comprehensive overview.

No endorsement implied.

Topics:

1. Capacity building:

Building national and international communities of ICT accessibility professionals, creating communities of practice, developing professional recognition and development systems

2. Online training and education:

The rise of the MOOC; collective creation of high quality professional online courses; innovating with Capacity building

1. Capacity building

International Association of Accessibility Professionals, a division of G3ict

- IAAP provides for individuals and organizations:
  - Professional & Organizational Development
  - Certification
  - Networking within the community
  - Influence change within the industry
- Membership Profile (Year End 2017)
- IAAP Certification – A Tool for Capacity Building
  - IAAP Certified Professional in Accessibility Core Competencies (CPACC)
  - Web Accessibility Specialist (WAS)
  - Certified Professional in Web Accessibility (CPWA)
  - Procurement Specialist in Accessibility (Target 2H 2018)

Certification for ICT professionals in Austria

- Offered by Austrian Federal Economic Chamber & the Austrian Computer Society

- Offers an "ISO 17024 accredited certification "Certified Web Accessibility Expert" which complies with international standards"

- Companies in Austria receive some supports for accessibility consulting

KEY RESOURCES - Materials and Guidelines in ICT Accessibility

➤ Provides guidelines and regulatory frameworks on ICT accessibility for PwD
➤ Tools for countries to develop their own policies and regulations
➤ Freely available online in: Arabic, Chinese, Spanish, French, English, Russian
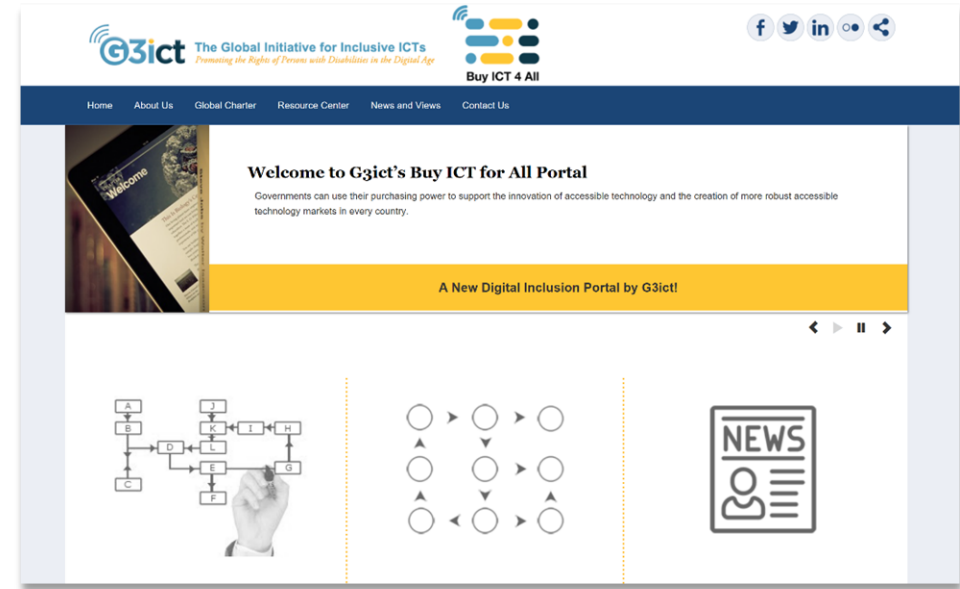➤ Available also in accessible e-Book / PDF version
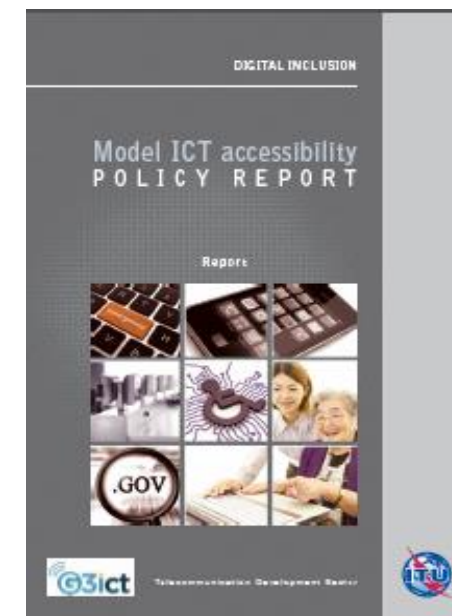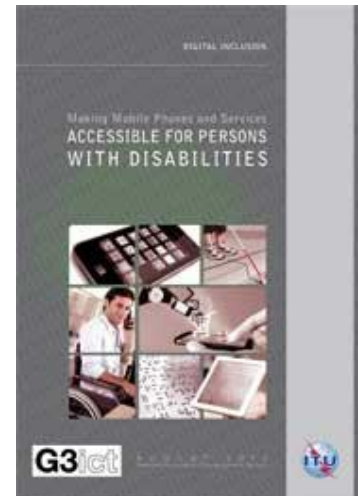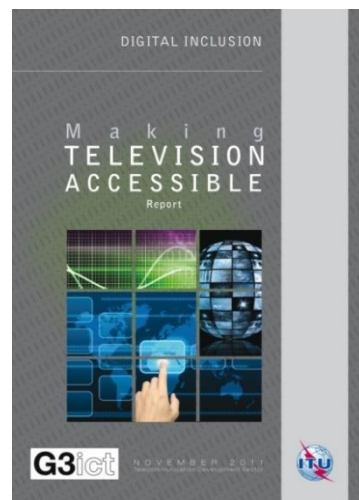
- G3ict in partnership with Unesco
  Model Policy for inclusive ICT in education
  for PwD

Model Policy for Inclusive ICTs in Education for Persons with Disabilities

- Smart Cities for All – a Toolkit

Smart Cities for All Toolkit

This toolkit contains resources to help Smart Cities worldwide include a focus on ICT accessibility and digital inclusion of persons with disabilities and older persons.

The toolkit supports a range of organizations and roles related to Smart Cities, including program managers, policy makers, Chief Information Officers (CIOs), IT professionals, academics, procurement officials, accessibility experts, technology suppliers to Smart Cities, developers who design Smart City apps and solutions, and disability organizations and advocates

- Procurement Portal & Charter

www.buyict4all.org

2. Online education and training

ITU Academy, tutor led course on "Public Procurement of accessible ICT products and services"

- A 6 weeks on-line training course

- Tutor led

- For experts in procurement of equipment and services

- Delivered in 2015, 2016

- Available upon demand

Online Training: Public Procurement of accessible ICT products and services

Online Training: Public Procurement of accessible ICT products and services

Course Details | Tutors | Fees

This eLearning training aims to provide learners with the knowledge, understanding and skills required to specify accessibility for persons with disabilities in the public procurement of information and communication technology (ICT) products and services, enable learners to address accessibility during all stages of the public procurement process, and to provide learners with a solid understanding of the relevant international standards for accessible ICT.

Invitation letter

Training Outline

Course Type: e-Learning
Region: Europe Network
Language:

View This Course

Start Date: Monday, 12 October 2015

Upcoming ITU 3 self-paced courses: ICT Accessibility as an enabler of Digital Inclusion

- In development by:
  - ITU-Digital Inclusion to be available on ITU Academy platform

- About the course:
  - An ITU Academy pioneering use of accessible online authoring tool to produce three, two hour self paced learning modules in ICT Accessibility topics

- What participants will learn:
  - Inspiring introduction to ICT accessibility legislation and policy, understanding of accessible ICTs, use of standards to procure accessible ICTs

- Foreseen to be available since April 2018

- See updates on the ITU Academy website https://academy.itu.int/

MOOC:
"Information and Communication Technology (ICT) Accessibility"
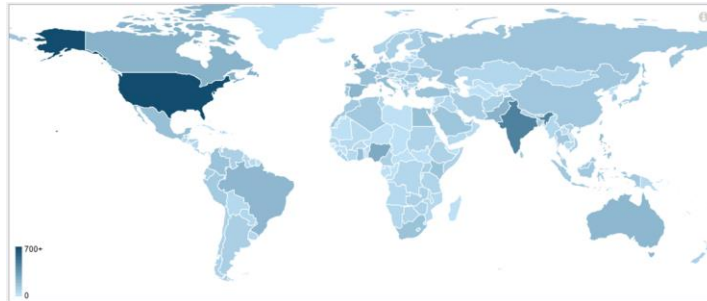
- Developed by:

- About the course

  - Issues and design solutions for information and communication technology (ICT) accessibility for customers and employees with disabilities.

- What participants learn

  - Foundations of ICT accessibility, Principles of accessible ICT design, Identify the uses of assistive technology., Create accessible documents and multimedia, Evaluate and repair websites for accessibility., and Identify components of ICT accessibility operations.
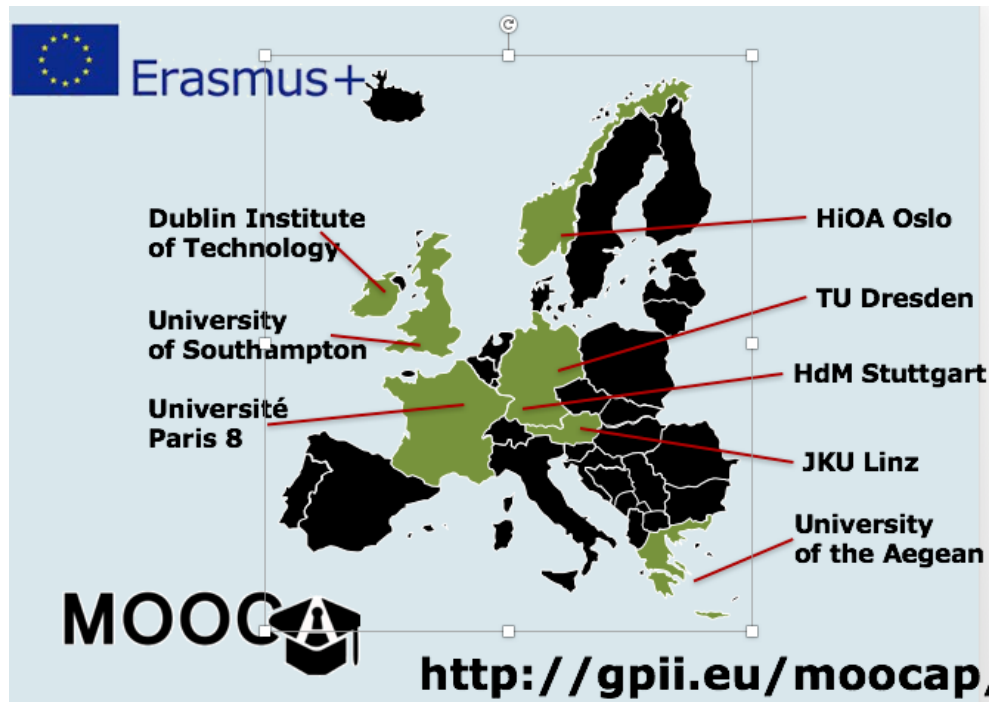
- Enrolment data:

https://www.edx.org/course/information-communication-technology-ict-ict100x

MOOC: "Digital Accessibility: Enabling Participation in the Information Society"

- Developed by

- About the course
  - Barriers encountered by those with sensory, physical and cognitive impairments and the use of accessible and inclusive design
- What participants learn
  - Digital accessibility, people with disabilities and technology, accessibility of various mainstream ICTs, AT, standards, guidelines

https://www.futurelearn.com/courses/digital-accessibility#section-overview

UD HEIT 2018

- Universal Design and Higher Education in Transformation Congress

- Four day Congress at Dublin Castle , Ireland 30th Oct –2nd Nov 2018

- In partnership with Dublin Institute of Technology and IT Blanchardstown

- Following on from UD2012 (Oslo), UD2014 (Lund), UD2016 (York) and the Higher Education in Transformation symposia: (HEIT) Conferences 2015 (Dublin) and 2016 (Oshawa)

Universal Design & Higher Education in Transformation Congress
30th October – 2nd November 2018, Dublin Castle
Transforming our World through Diversity, Design and Education

ICT Accessibility A Requisite Towards An Inclusive Digital Society
23 February 2018, the Zero Project Conference - Vienna, Austria

Presentation acknowledgements

- James Thurston, http://g3ict.org

- Christopher Lee, http://cmlgrp.com

- Klaus Miesenberger, http://www.jku.at

- Klaus Hoeckner, https://www.hilfsgemeinschaft.at

- Gerald Craddock, http://universaldesign.ie

- Roxana Widmer-Iliescu, http://itu.int

Contact details

- Email: drice@nda.ie
- Twitter: @_donalrice
- URL: http://universaldesign.ie