Accessible Americas IV: **ICTs for ALL**

**Session 5**

University of Guadalajara: Advances in web accessibility and digital inclusion

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**Speakers**
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- Second largest public university in Mexico
- Jalisco’s University Network
- 270,000 students
- 15 campuses
- 1 online university
- 171 high schools
University of Guadalajara

- 7 million people in Jalisco
- 300,000+ people with disabilities
- 1000+ students with disabilities
University of Guadalajara

- ICT educational programs
- Some ICT indicators
- Web accessibility strategy
- Digital inclusion initiatives
- Lessons and proposals
ICT educational programs

29 undergraduate programs
11 campus

18 posgraduate programs
11,213 students
Availability and use of Internet

Internet at home

<table>
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<tr>
<th>Urban students</th>
<th>Rural students</th>
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<tr>
<td>92%</td>
<td>81%</td>
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Hours people spent on internet

6 hrs 45 min

91%

Uses the smartphone as the first device for accessing internet in the campus.

Source: Hábitos de uso de las TIC en los CU’s y sus extensiones de la UdeG. Informe Estadístico 2016
WiFi users

84% Students

72% Professors

Source: Hábitos de uso de las TIC en los CU’s y sus extensiones de la UdeG. Informe Estadístico 2016
Achievements

Leadership on IPv6 implementation in Latin America
Ranked in the Top 100 in worldwide IPv6 Deployment..

Accessible Website

AA Level (WCAG 2.0)

Source: Informe de Actividades CGTI 2015-2016
Web accessibility strategy

- Hundreds of websites
- University web model 2.0
- Standardization
  - Tools, contents and visual design
- Main websites
  - Main website www.udg.mx (6 million web visits)
  - Campus websites, high schools administration, online university (12 million web visits)
Web accessibility strategy

- Method to incorporate the accessibility of university websites
- Based on an open source CMS
- Team sensitize
- Educate editors, web developers and designers
Web accessibility strategy

- Website assessment: automatic & manual
- Assist devices can navigate the university websites
- Two phases
  - Phase I. Main website.
  - Phase II. University network websites.
Web accessibility achievements

- Motivated and experienced team
- 10 websites in AA level
  - Accesibles websites network
  - 200+ people sensitized
- Positioning web accessibility in ICT conferences
- Leader in web accessibility among the universities of Mexico (Feb/2016)
- CIO100 recognition in 2016
Digital inclusion initiatives

- Inclusive University
- Electronic tablets lending
- Deaf education access
  - 75,000 deaf people in Jalisco
  - 40% illiterate
  - 1% can access high education
Lessons and proposals

- Digital accessibility: documents & web
- Sensitization is a necessary condition to start a successful process
- Unique role of universities
  - Identify competences to develop web accessibility.
  - Evaluating agencies should include the subject
  - Work in public policies
- Accessible universities network
Lessons and proposals

- Promote inclusion days
- Identify the skills that are required for web accessibility
  - Building accessible websites
  - Repairing websites accessibility
  - Websites accessibility assessment
The program was born as a digital inclusion strategy of the University Communities Network for Inclusion and the General Coordination of Information Technologies (CGTI-UDG), to promote the importance of web accessibility for people with disabilities.

Objectives:

- Promote the dissemination of good practices of digital inclusion for people with disabilities.
- Generar redes de apoyo (Grupo de Facebook) y conocimiento en materia de inclusión para personas con discapacidad.
- Create support and knowledge networks (Facebook group) on inclusion for people with disabilities.
- Recover and systematize the experiences of people with disabilities to the construction of digital inclusion strategies.

*Mission: Generate conditions of accessibility, permanence and equal opportunities for all students, whose central value is the recognition of diversity as a social value.*
Scaffolding of the project:
1. Equity of conditions in equal rights
2. Social model = Remove barriers
3. Diversity = Innovation
4. Cases and experiences = programming with meaning
Eneida Guadalupe Rendon Nieblas student with deafblindness at the University of Guadalajara (UDG)

When I had the first contact with a braille line, I lived with total deafblindness

“It was for me as to break the barriers of communication, first I began to read the books that had been recorded on Cds”, then little by little, I learned how to use the Internet and it was like a window to the world: I could communicate with my family from Sinaloa, then with people from other countries and I learned a lot through the different websites that I visited”
Accessible Americas IV: *ICTs for ALL*

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Thanks to all