Accessibility monitor

Jan Dekelver, K.H.Kempen – K.U.Leuven
i-access conference,
Copenhagen, 22-24 June 2010
Goal

- Create awareness for website accessibility
- Train future web developers the accessibility principles
- Publish yearly report on website accessibility
- Motivate authorities
- Build sustainable model for accessibility monitor
About AnySurfer

AnySurfer is a Belgian quality mark for accessible websites. Sites that carry the label, comply with a carefully crafted set of guidelines: the AnySurfer checklist. They are accessible to everyone — including visitors with a disability.

- Guidelines for accessibility
- Audits
- Training
- Consultancy
Guidelines: some examples

- Use the right HTML tags to **structure your documents**.
- Make sure that the website is also **operable without using the mouse**.
- Make audio and video accessible by adding subtitles and offering transcription
- Never solely rely on colours
- Add short descriptions to images
- Watch out for Flash and Javascripts
AnySurfer Checklist 2.0

- 36 checkpoints (HTML, CSS, Javascript)
- Compliant with WCAG 2.0
- More practical to work with
• ICT and inclusion

• 8 researchers
  • ICT for special education (www.WAI-NOT.be www.wai-not.org)
  • EasyICT: a Framework for Measuring ICT-Skills of People with Cognitive Disabilities
  • ICT competences for coaches and teachers
  • ICT for students with intellectual disabilities
  • ICT for marginalised young people
  • Social Engineer
Accessibility monitor 2007

- Anysurfer
- K-point, K.H.Kempen

- 2009
- 2010
Quick Scan: 75% of weighed result OK?

1. Does every page have a meaningful title? (2)
2. Is the website usable without a mouse? (3)
3. Can hyperlinks be clearly distinguished from other text? (2)
4. Is the clickable area for hyperlinks large enough? (2)
5. Can moving content be stopped? (2)
6. Do overlaps not occur while enlarging? (1)
7. Does the text colour contrast enough the background? (1)
8. Does all pictures have alternative descriptions? (3)
9. Are audio and video available in text version? (3)
10. Are forms using suitable HTML tags? (2)
11. Are tables using suitable HTML tags? (2)
12. Are headings using suitable HTML-tags? (2)
13. Are lists using suitable HTML-tags? (2)
14. Are alternatives available for important Flash page parts? (3)
15. Does the homepage compliant to the HTML version mentioned in the source code? (1)
Website selection

- Metriweb (2007)
- Google: categories
  - Bank and insurance
  - Building and living
  - Communities
  - Concert halls
  - Consumer business
  - Commercial and public radio
  - Commercial and public television
  - Eating and drinking
  - Children
  - Games
  - Jobs
  - Lifestyle and health
  - Festivals
  - News
- Government
- Popular blogs
- Portals
- Senior citizens
- Shopping
- Sports
- Telecom
- Tickets
- Tourism
- Government
- Find
- For sale
- Real estate
- Google Search in national websites, Top 5 sites selected for each category
Website distribution

- 90% - 100%: 36
- 80% - 90%: 41
- 70% - 80%: 110
- 60% - 70%: 85
- 50% - 60%: 130
- 40% - 50%: 53
- 30% - 40%: 37
- 20% - 30%: 37
- 10% - 20%: 24
- 0% - 10%: 24
Targeted websites 2010

- National websites
- Flemish government sites
- Province of Antwerp – cities and villages
- At least 10 pages per website
  - Homepage
  - Important content pages
  - Sitemap
  - Search page with search results
Student training

- WCAG 2.0 introduction
- Quickscan introduction
- Tools for scanning
- Follow up by professors
- Assignment and distribution of websites among students (double checking of all sites)
- Use of web-application for reports
- Additional assignment to create website compliant with Anysurfer guidelines
Partners

- Katholieke Hogeschool Kempen (KHK), Bachelor Toegepaste informatica
- Hogeschool West-Vlaanderen (HoWest Kortrijk), Bachelor Multimedia en communicatietechnologie
- Katholieke Hogeschool Zuid-West-Vlaanderen (KATHO), Bachelor Multimedia en communicatietechnologie
- Katholieke Hogeschool Leuven (KHLuven), Bachelor Toegepaste informatica
- Arteveldehogeschool Gent, Bachelor in de grafische en digitale media
- Katholieke Hogeschool Sint-Lieven Gent, Bachelor in Elektronica-ICT, richting ICT
- Karel de Grote-Hogeschool Antwerpen (KDG), Bachelor in de Multimedia- en Communicatietechnologie
- Katholieke Hogeschool Limburg (KHLim), Bachelor in Communicatie- en Multimediacdesign
- Lessius Hogeschool, Bachelor in Interactive Multimedia Design en Bachelor in Informaticamangement en informaticasystemen
- Opleidingscentrum VDAB Genk, Opleiding PHP-ontwikkelaar
Student recognition

Charly Cohen | Chiel Meulders | Chris Desmedt | Chris Vienerius | Christian Baumans | Christof Maes | Christoph Defryn | Christophe Berth
Christophe Ceulemans | Christophe Deruyter | Christophe Lodderwyck | Christophe Tanghe | Christophe Troch | Daan Deman
Daan Lambrechts | Daan Vanhuyne | Damien Dupont | Dana Schallenbergh | Daniel Gifford | David De Cock | David De Keersmaecker
David Demeyer | David Franssens | David Smit | David Vaelke | David Vandendriessche | David Vangompel | Davy Decock | Davy Geens
Davy Rodriguez | Davy Smets | DavyVanclysuen | Denis Debacker | Dennis Cleuren | Dennis Geerts | Dennis Michiels | Dennis Vanvuchelen
Dennis Verjans | Dieter Deelenheer | Dieter Deman | Dieter Goeyens | Dieter Lauwereys | Dieter Vanmarcke | Dieter Verbeemen
Dimitri Desutter | Dimitri Hossain | Dimitri Tanghe | Dimmie Telemans | Django Steemans | Dries Boone | Dries Cauwels | Dries De Blaere
Dries De Lange | Dries Mertens | Dries Pues | Dries Vanbussche | Duan Garcia Paz | Dylan Slabirck | Dwyout Van Den Bossche
Elias Verstappen | Eline Steyers | Ellen Dumortier | Els Brio | Emmanuela Tock | Emil Berdibaev | Enrico Mussche | Enzo Vanderjonckheyd
Erik Hendrickx | Erik Stevens | Erik Verreycken | Errol De Vos | Evelyn Vandenkieboom | Evert Mol | Everyan Jacobs | Evy Vermuelen
Ewout Callens | Ewout Spitaels | Ewout Van Gossuin | Faycal Aalouche | Fehjorhan Vanhaeugen | Fei Hu | Felina Demos | Feras Daouk
Filip Korte | Filip Spencer | Lopes Dos Santos | Frederic Francois | Frederick Schroyen | Frederick Vanbrabant | Frederik Declerck
Frederik Matthijs | Frits Van Den Broeck | Galid El Mouhaddab | Geert Clissen | Geoffrey Combeir | Gerrit Buggenhout | Gerti Rummens
Gert Schoolmeesters | Gerjan Demulder | Gert-Jan Vandepeut | Gerwin Glorieux | Gianni Snoeck | Gill Vanderveyde | Gilles Bruneel
Gilles De Witte | Gilles Van Der Coelen | Gilles Vanneste | Glenn Billau | Glenn Carton | Glenn Crupeninck | Glenn Lakire | Glenn Leirs
Glenn Maricau | Glenn Rentiens | Glenn Van Loock | Glenn Willems | Greeje Jongen | Gregory Messine | Gunnar Selleslag | Guy Huyberechts
Guy Nijis | Gwen Hoste | Gwyllim Lemey | Hannes Derveaux | Hannes Vandeveldt | Harry Verschoore | Hendrik Joosten | Hendrik Vandendael
Herman Dely | Homayun Abdli | Ignace Knock | Imad Sakkaki | Isabel Aerts | Ismael Bellarbi | Ive De Maeseneer | Jadran Ninkovic | Jan Buelens
Jan Decavel | Jan Dockx | Jan Jochems | Jan Kennes | Jan Laureys | Jan Schroeven | Jan Timmermanx | Jan Veldeman | Jan-bart Vervoort
Janice Hendrix | Jannes Vermeersch | Jannick Bael | Jan-rene Deploere | Jarm Versavel | Jarne Beys | Jarme Geyens | Jarakk Nys | Jarary Styns
Jasper Lammens | Jasper Moeyes | Jasper Piens | Jasper Schoonackers | Jasper Taminau | Jasper Van Rompay | Jasper VanDenbohede
Jean Pierre Luu | Jef Deprez | Jeffrey Huyghe | Jeffrey Tijs | Jelle Huybrechts | Jelle Smet | Jelle Vereecke | Jen Chiers | Jens Decraene
Jente Marie | Jeroen Bal | Jeroen Declerck | Jeroen Joosen | Jeroen Leyens | Jeroen Peeters | Jeroen Roels | Jeroen Sybers | Jeroen Tubex
Jeroen Vanassche | Jeroen Vandewynckel | Jeroen Vanghelie | Jeroen Vangelaere | Jeroen Wuyts | Jessie Beerten | Jimmy Geens
Jirtehuysmans | Joachim Coppens | Joachim Dens | Joeri Briand | Joeri Graulus | Joeri Lambercht | Joeri Naert | Joeri Verloo | Joey Lemmens
Julien van den Brand | Jonas Binnemans | Jonas Bourgignion | Jonas De Ceuster | Jonas Dossche | Jonas Gienen | Jonas Meel | Jonas Van Looveren | Jonas Van Rosbroeck
Kenny Vanrooij | Kenny Verstrepen | Kentsy Cornelis | Kevin Ceulemans | Kevin Coorevits | Kevin Delrue | Kevin Depre | Kevin Corjan
New developments

- What good is an accessible site if you don’t understand what’s written?
- “Plain language screening”
The future is Europe...

- Why don’t we
  - Expand this to other countries in Europe?
  - The whole of Europe?

- Find funding to get this organised
  - EU?
  - National
  - Regional

- Find partners
Accessibility monitor
Project goals

- Promote website accessibility
- Train future web developers the accessibility principles
- Publish yearly report on website accessibility
- Motivate, inform authorities
- Build sustainable model for accessibility monitor
### Partner profile

- 1 per country
- **Access to IT students**
- **Training capacities**
  - Well connected to national authorities
- **Access to media**
- **Long term commitment**
- **EU-project experience**
- **Long term commitment**

<table>
<thead>
<tr>
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<th>IT Students per million inhabitants</th>
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<tbody>
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<td>1 per country</td>
<td>10 per country</td>
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<tr>
<td>Access to IT students</td>
<td>2000</td>
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<tr>
<td>Training capacities</td>
<td>6000</td>
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<td>Well connected to national authorities</td>
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<td>Access to media</td>
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<td>Long term commitment</td>
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<td>EU-project experience</td>
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<td>1000</td>
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</tbody>
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| 10  | 20  | 30  | 40  | 50  | 60  | 70  | 80  | 90  | 100 |
Interested?

- Fill out form at:

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22-24 June 2010