Connect monitoring with user feedback

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Contributing to
SUSTAINABLE DEVELOPMENT GOALS
#ICT4SDG

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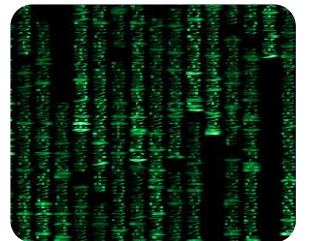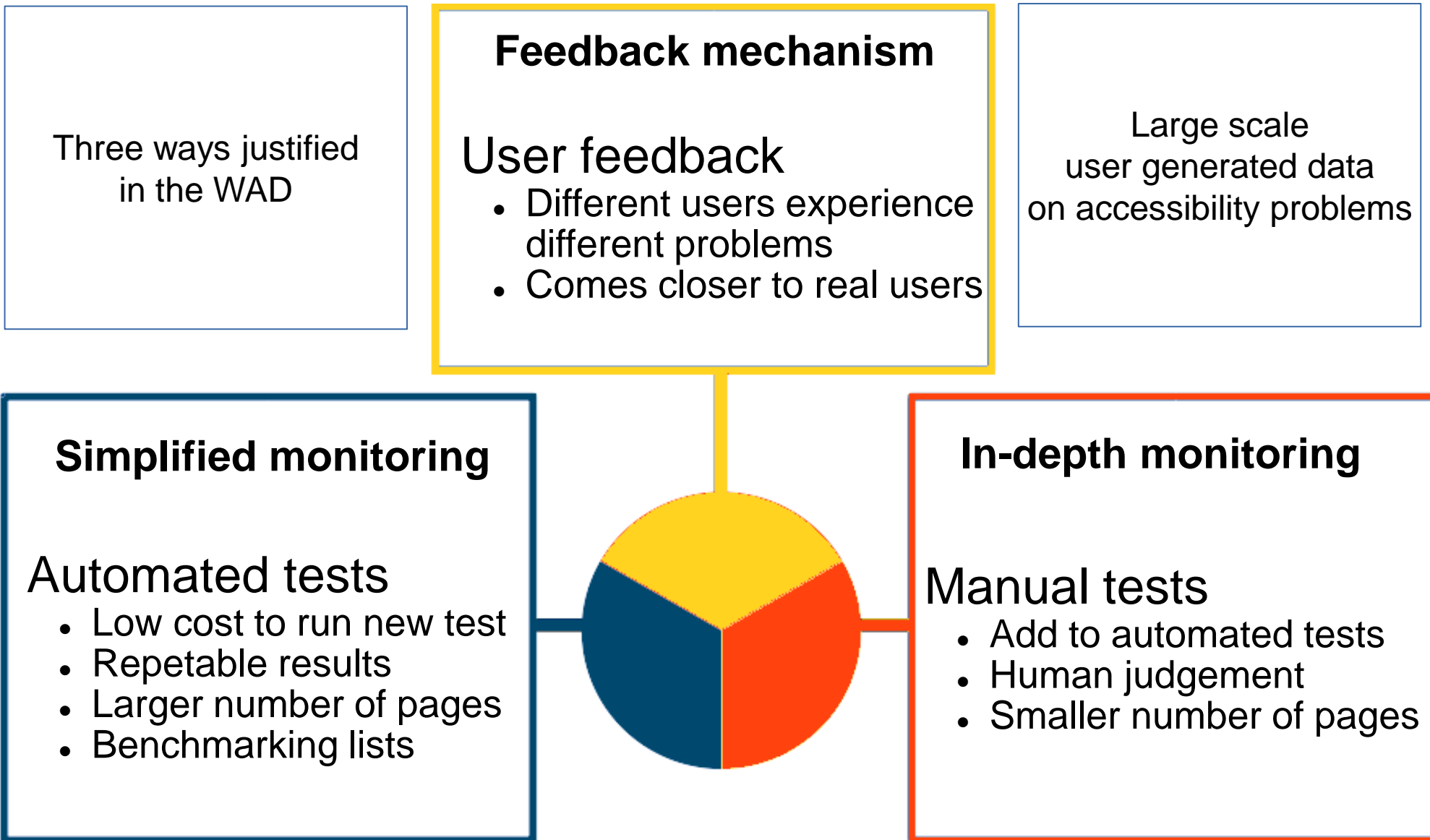
Who can benefit

- **Governments and website owners**
  - WAD (monitoring), tailor policies and training

- **Users**
  - Check a page, feedback in consistent way

- **Developers and private sector**
  - Better meet users needs, increase revenue

Three ways justified
in the WAD

Feedback mechanism

User feedback

- Different users experience different problems
- Comes closer to real users

Large scale
user generated data
on accessibility problems

Simplified monitoring

Automated tests

- Low cost to run new test
- Repetable results
- Larger number of pages
- Benchmarking lists

In-depth monitoring

Manual tests

- Add to automated tests
- Human judgement
- Smaller number of pages

Automated test page

Webbtillgänglighetskollen

Language: English (en)   Login

eAccessibility   Contact   TERMER

- Page Checker
- PDF Checker
- Benchmarking
  - Benchmarking Results
- Checkers Tests
  - Checker HTML Tests
  - Checker PDF Tests
  - Checker Manual Tests
- FAQ
- User testing tool (beta)
- Dev Blog

eAccessibility / Page Checker

Check the Accessibility of a Web Page

Webpage address: uia.no   Check

Co-funded by the Swedish Post and Telecom Authority

STÖDS OCH FINANSIERAS AV PTS TÄVLING "INNOVATION FÖR ALLA" pts.se/innovation PTS

http://axe.checkers.wtkollen.se/

Benchmarking from Automated tests

Grade graphic	Score (range)	Explanation of grade
■ (green)	100	No tests failed
■ (green)	95 through 99	A few tests failed
■ (yellow)	85 through 95	Some tests failed
■ (orange)	70 through 85	Many tests failed
■ (red)	0 through 70	Most tests failed

Rank ▲	Site	Score	End
1	Nisra UK	■ 100	2018-10-26
2	INE ES	■ 99	2018-10-25
3	SCB SE	■ 99	2018-10-26
4	Dst	■ 99	2018-11-05
5	Statistikportal DE	■ 99	2018-11-16
6	BFS CH	■ 99	2018-10-26
7	SSB NO	■ 99	2018-11-13
8	Statistiques	■ 99	2018-11-05
9	CZSO CZ	■ 98	2018-10-26
10	Stat PL	■ 98	2018-11-05

Disclaimer

Please note that the automatic score is based on tests carried out automatically. About 20% of the conceivable tests can be automated, and the tool covers a part of these tests. The score from user tests are based on a limited set of questions and will also not cover all possible tests. Therefore, the evaluated pages may contain barriers not reported by any of the tools. For reference see the list of. currently implemented tests. Full disclaimer.

http://axe.checkers.eiii.eu/en/benchmarking/previous/

Prepared for the INDVIL Project supported by the Norwegian Research Council

List of tested pages from site

541	/hitta-statistik/artiklar/2013/Aldre-mammor-van...	🟩 98
542	/sv_/Hitta-statistik/Artiklar/?RequiredFields=K...	🟩 98
543	/hitta-statistik/artiklar/2017/Unik-tillvaxt-na...	🟩 98
544	/hitta-statistik/artiklar/dyrt-att-studera--uto...	🟩 98
545	/hitta-statistik/artiklar/dyrt-att-studera--uto...	🟩 98
546	/hitta-statistik/artiklar/620-000-i-sverige-ofr...	🟩 98
547	/sv_/Hitta-statistik/artiklar/?PageIndex=3&Requ...	🟩 97
548	/hitta-statistik/sverige-i-siffror/lonesok	🟩 95
549	/hitta-statistik/sverige-i-siffror/samhallets-e...	🟨 95
550	/sv_/Hitta-statistik/Publiceringskalender/Visa-...	🟨 95
551	/sv_/Hitta-statistik/Publiceringskalender/Visa-...	🟨 95
552	/sv_/Hitta-statistik/Publiceringskalender/Visa-...	🟨 95
553	/sv_/Hitta-statistik/Publiceringskalender/Visa-...	🟨 95

http://axe.checkers.wtkollen.se/en/benchmarking/testrunresults/siteresults/6878d16b-a0dc-42a3-a210-7c4e6431f969

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Test result with code extract

Applied Automatic Tests

Elements must have sufficient color contrast [1.4.3]	**x**2,
Frames must have title attribute [2.4.1, 4.1.2]	**x**1
Links must have discernible text [2.4.4, 4.1.2]	**x**1

Test Detail: Elements must have sufficient color contrast (color-contrast)

(Test for Success Criterion 1.4.3)

Results   Test info

X Ensures the contrast between foreground and background colors meets WCAG 2 AA contrast ratio thresholds (2 occurences)

- **Path: .button**

Heading: `Code`
Code extract:
```
<button class="button search-box-button" onclick="" type="submit" value="Sök" aria-label="Sök">Sök</button>
```
Problems: * Fix any of these: Element has insufficient color contrast of 4.35 (foreground color: #e5f3f5, background color: #0e7b8d, font size: 12.8pt, font weight: normal). Expected contrast ratio of 4.5:1.

http://axe.checkers.eiii.eu/en/pagecheck2.0/?uuid=6b01e55d-fb58-4cae-8f34-06cf3e27a0d5#color-contrast

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Manual testing tool
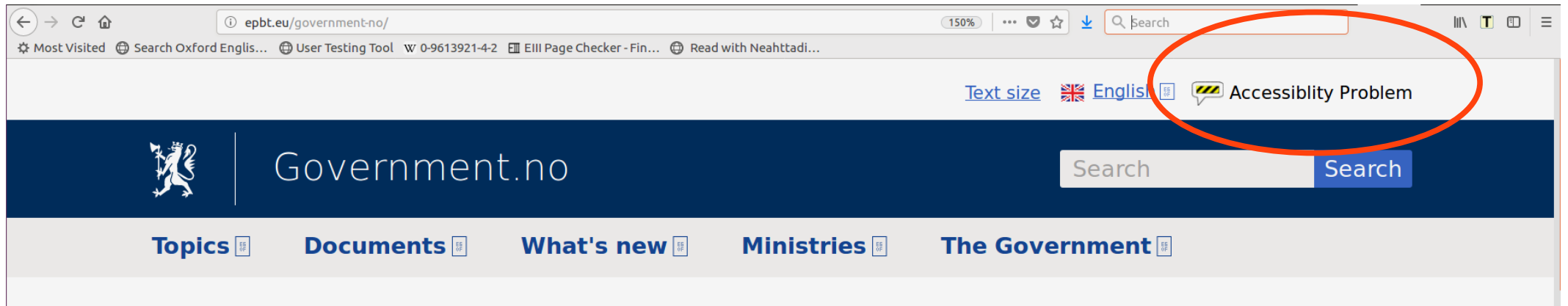

https://www.accessiblecheck.com/

User feedback

- **Collect feedback across multiple websites**

- **Easy to install on any page**

http://epbt.eu/

User feedback

- **Runs automated tests**

- **Collect data from user after consent**

http://epbt.eu/

Steady improvement since 2013

- **Average yearly score of 100 websites improves**

■ Annual average accessibility score
— Linear (Annual average accessibility score)

68% 2013
70% 2014
72% 2015
83% 2016
84% 2017
86% 2018
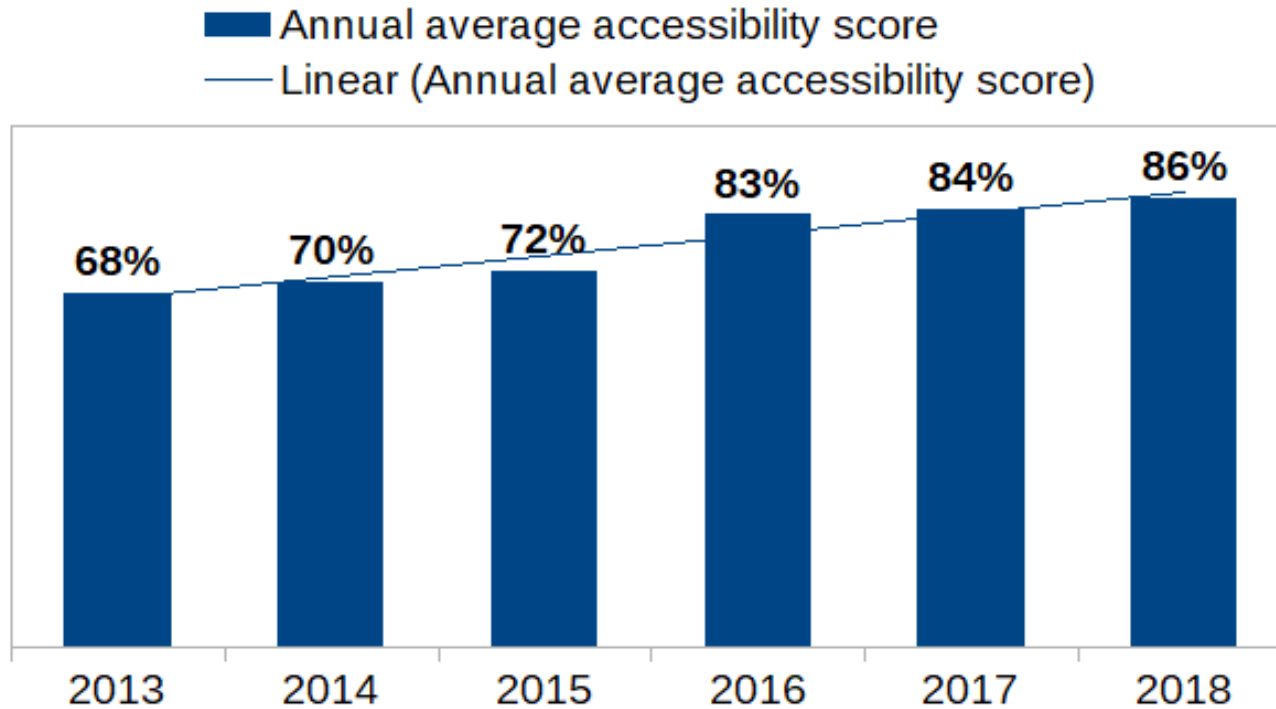
"using this tool definitely makes it easier to advocate for change and to educate developers about web accessibility."

Mike Park
Senior IT Accessibility
Specialist, Mada

Accessible Europe