

Web-based assessment of operator performance and variability in remote sensing image analysis

RESEARCH PROGRAMME FOR EARTH OBSERVATION "STEREO II"

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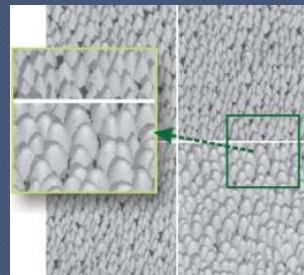


Web-based assessment of operator performance and variability in remote sensing image analysis - Introduction

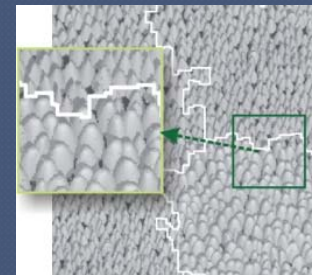
- Importance of human perception and interpretation in remote sensing image analysis
- We compare computer results with references made by humans
 - how correct is this reference?
- Examples




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OR





Web-based assessment of operator performance and variability in
remote sensing image analysis - **Objectives**

- ◉ To quantify operator performance in a variety of remote sensing practices;
- ◉ To characterize operator performance and its determinants (both problem-specific and human factors);
- ◉ To identify possible interventions to enhance operator performance and formulate.

Web-based assessment of operator performance and variability in remote sensing image analysis – Factors

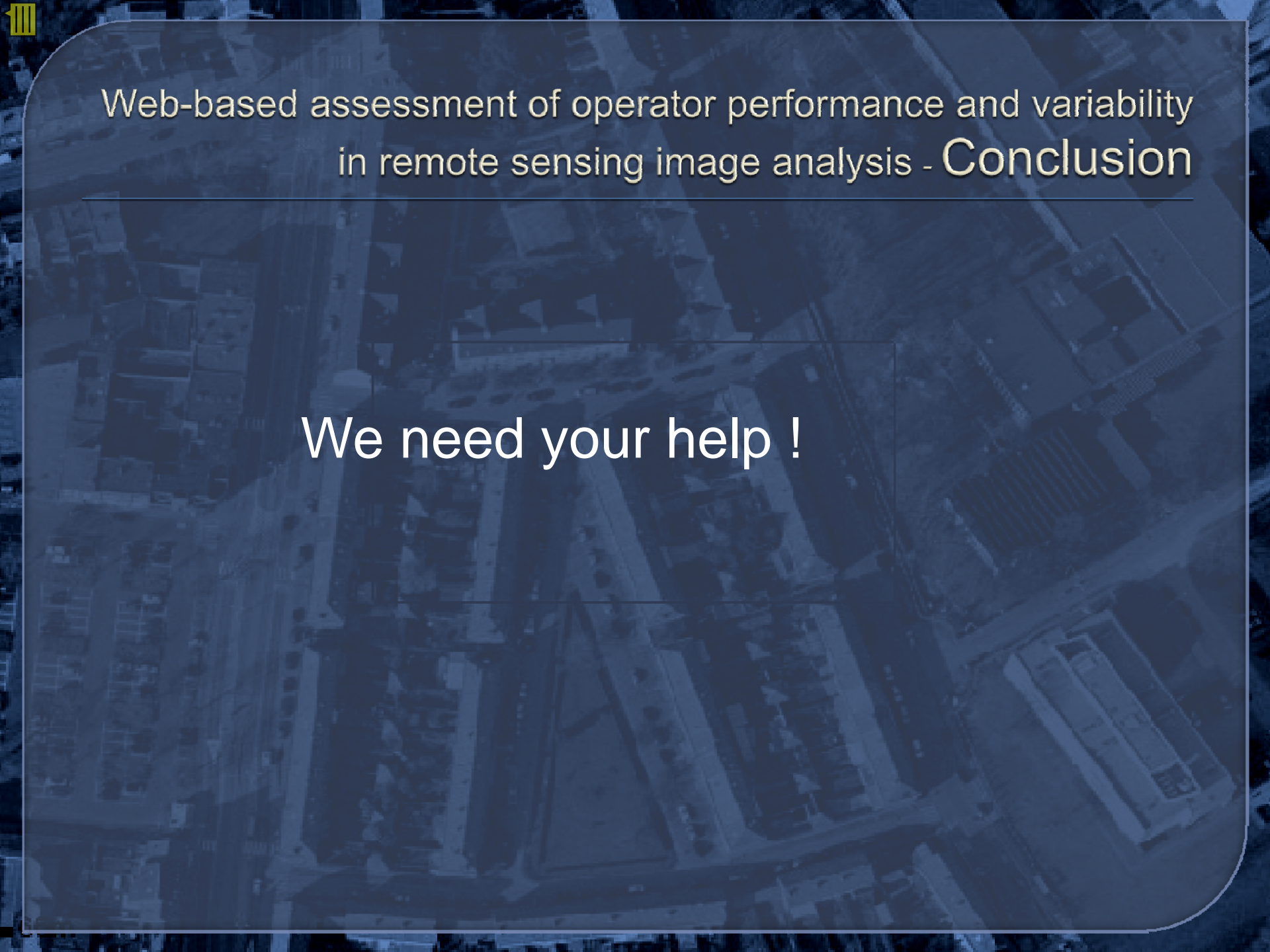
Human factors	Problem-specific factors
Man – Woman	Spatial resolution
Naive – Expert	Colour
9h – 17h	Noise
Impulsive – Organised	Precognition
...	...

Web-based assessment of operator performance and variability in remote sensing image analysis - Methodology

- Controlled environment – Webapplication
- Three tests

- Demographics
- Personality test
- Digitalisation task

The image displays three overlapping screenshots of the WAVARS web application interface. The top screenshot shows a registration form with fields for 'e-mailadres', 'Wachtwoord', 'Leeftijd', 'Beroep', 'Geslacht', and 'Diploma'. It also includes checkboxes for 'Kleurenblind', 'Ervaring', and 'Bijkomende ople...'. The middle screenshot shows a 'Big Five' personality test interface with a table of 'Stellingen' (statements) and a grid of response options (radio buttons). The bottom screenshot shows a 'testomgeving' (test environment) with a progress bar, a 'Log out' button, and an 'Index' of tasks. The current task is 'Opdracht 1 – punten digitaliseren', which involves digitalizing trees in an aerial photograph. The interface includes a 'Meer uitleg' button and a 'Submit' button. The footer of the screenshots shows 'Universiteit Gent' and 'Contact'.



Web-based assessment of operator performance and variability
in remote sensing image analysis - Conclusion

We need your help !