New VQEG Tools and Subjective Labs Setup Website

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Motivation

- Provide a website and repository for:
  - Software **tools** for conducting subjective tests and video quality research
  - **Guidelines** for research
  - Video quality **databases**

- Requirements:
  - Easy to maintain
  - Everyone should be able to contribute
  - Simple and reliable hosting, HTTPS

New Website

https://vqeg.github.io/software-tools/

- Collection of software tools in different categories:
  - Quality Analysis (Models)
  - Stream Analyzers
  - Encoders
  - Simulators
  - Subjective Test Software
- List of video database indexes
- A page for guidelines on video quality research
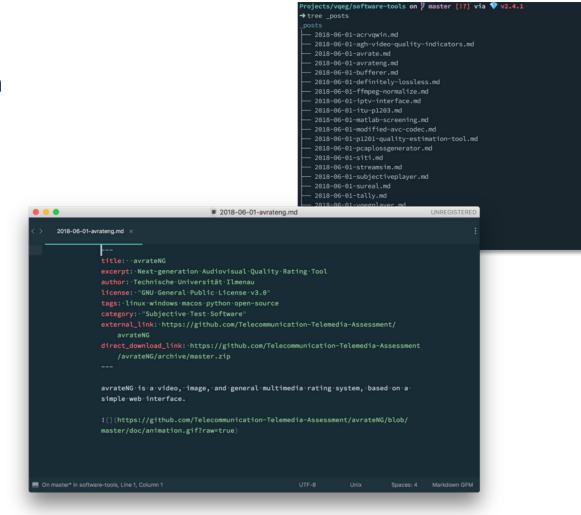
Technology

- Backend: **Jekyll** – a text-based blogging system
- Text-based workflow:
  - The whole website is a Git repository
  - Website itself is a **collection of files**
  - Each tool is just a text file

Hosting

GitHub Pages: Push update to Git repo → GitHub renders site automatically

Benefits

– Free and reliable
– HTTPS-enabled
– Nobody has to „maintain" it
– Easy to migrate to somewhere else

Drawbacks

– Not a solution for large file hosting

How to Contribute

1. The old way: **send an email** to the maintainers:
   - glenn.vanwallendael@ugent.be
   - werner.robitza@gmail.com

2. The new way: **create an issue** on GitHub and suggest a tool / change:
   https://github.com/vqeg/software-tools/issues/

3. The techy way:
   - **Fork the repository** on GitHub
   - Make changes and commit them
   - Submit a **Pull Request**

Discussion

Similar project: **QUALINET Databases** — http://dbq.multimediatech.cz/

- Currently hosted by Czech Technical University in Prague
- Possible migration to similar system
    - To "save" it for the future
    - To reduce burden of maintenance
- Could be a joint initiative of VQEG and QUALINET
- Already talked with Karel Fliegel about possibility

Call for Contributions

Please contribute!

https://vqeg.github.io

Your software tools, scripts, …
Guidelines for (subjective) video quality research

Audiovisual Technology Group

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