



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

VQEG Tools and Subjective Labs Setup

VQEG Tools and Subjective Labs Setup

Providing the video quality research community with a wide variety of **software tools and guidance** in order to facilitate research.

[Browse Tools](#)

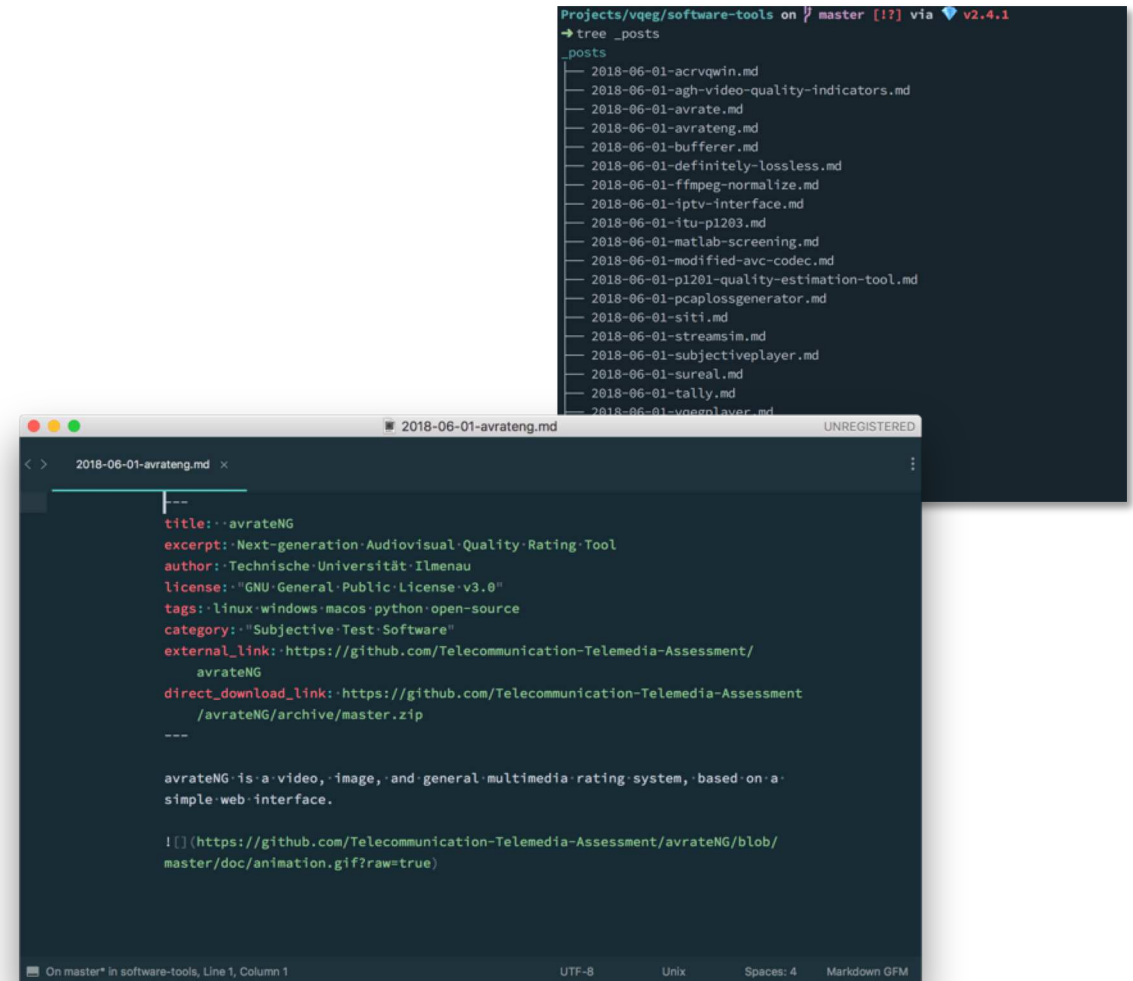
The [Video Quality Experts Group \(VQEG\)](#) is a group of experts from various backgrounds and affiliations, including participants from several internationally recognized organizations, working in the field of video quality assessment. For more info, please visit our [About](#) page.

This website the output of the **Tools and Subjective Labs Setup** group.

Tools are available in the following categories:

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



The image shows two overlapping windows. The top window is a terminal showing a file tree for a Git repository. The bottom window is a text editor showing the content of a Markdown file named '2018-06-01-avrateng.md'.

```
Projects/vqeg/software-tools on master [!?] via v2.4.1
→ tree _posts
_posts
├── 2018-06-01-acrvqwin.md
├── 2018-06-01-agh-video-quality-indicators.md
├── 2018-06-01-avrate.md
├── 2018-06-01-avrateng.md
├── 2018-06-01-bufferer.md
├── 2018-06-01-definitely-lossless.md
├── 2018-06-01-ffmpeg-normalize.md
├── 2018-06-01-iptv-interface.md
├── 2018-06-01-itu-p1203.md
├── 2018-06-01-matlab-screening.md
├── 2018-06-01-modified-avc-codec.md
├── 2018-06-01-p1201-quality-estimation-tool.md
├── 2018-06-01-pcaplossgenerator.md
├── 2018-06-01-siti.md
├── 2018-06-01-streamsim.md
├── 2018-06-01-subjectiveplayer.md
├── 2018-06-01-surreal.md
├── 2018-06-01-tally.md
└── 2018-06-01-vqegplayer.md
```

```
2018-06-01-avrateng.md
---
title: avrateNG
excerpt: Next-generation Audiovisual Quality Rating Tool
author: Technische Universität Ilmenau
license: "GNU General Public License v3.0"
tags: linux windows macos python open-source
category: "Subjective Test Software"
external_link: https://github.com/Telecommunication-Telemedia-Assessment/avrateNG
direct_download_link: https://github.com/Telecommunication-Telemedia-Assessment/avrateNG/archive/master.zip
---

avrateNG is a video, image, and general multimedia rating system, based on a simple web interface.

![] (https://github.com/Telecommunication-Telemedia-Assessment/avrateNG/blob/master/doc/animation.gif?raw=true)
```

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.robitz@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