

JEG-Hybrid / IGVQM Current Status

JEG-Hybrid (Joint Effort Group)

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Ongoing activities in JEG-Hybrid

- IGVQM (Implementer's Guide to Video Quality Metrics)
 - Status presented at last May 2025 meeting, with some preliminary results
 - code (based on docker/podman for maximum reproducibility) publicly available on GitHub:
https://github.com/emasala/IGVQM_analysis
 - Unfortunately no advance since then (still requiring many refinements / refactoring ...)
 - However, all **MOS** values from the 5 considered datasets have been converted and made available in the same JSON format:
https://github.com/emasala/IGVQM_analysis/tree/main/Mos
May allow easier usage/processing of MOS values also outside this project
- More info on JEG-Hybrid website: <https://vqegjeg.github.io/jeg-hybrid/igvqm>

Ongoing activities in JEG-Hybrid

- Presentations:
 1. “Computational-Attention” models for individually-perceived image quality assessment
 2. Conducting a subjective assessment experiment on high-resolution images through pair comparison
 - Investigating if/how groups of (no-ref) metrics can better predict human preference on high-res images
- Other ongoing work (not yet ready for presentation):
 3. Individual video quality assessment prediction using eye tracking devices
 4. Developing software implementing several methods for subjective quality recovery from subjective scores (*already presented at VQEG May 2025*). Currently being expanded with:
 - determining which model is best for a given dataset
 - the possibility to exclude or give less weight to some Opinion Scores

Comments / Proposals / Ideas

- **Welcome!**



- Join our biweekly conference call (next: **Jan 19, 2026, 4pm CET/CEST**)
- References:
 - **JEG-Hybrid website** <https://vqegjeg.github.io/jeg-hybrid/>
 - Including an up-to-date publication section with immediate download link for each one
 - **IGVQM** subsection: <https://vqegjeg.github.io/jeg-hybrid/igvqm>
 - VQEG-JEG mailing list: jeg@vqeg.org (<https://vqeg.org/email-reflectors.aspx>)