

Context

- **Inspired by** *Wojciech Szmyd, Paweł Szulc, Lucjan Janowski* "Different quality metrics analyzed in the context of diverse sequences types" presented at VQEG meeting in Krakow
- **Inspired by** Ahmed Aldahdooh, Enrico Masala, Glenn Van Wallendael and Marcus Barkowsky "Comparing temporal behavior of fast objective video quality measures on a large-scale database in 32nd Picture Coding Symposium, PCS, IEEE (2016)

Constraints with existing validation procedures

- The applicability of objective metrics is limited by the scope of the subjective quality tests
- An objective metric deployed to evaluate video quality in production environments is exposed to a greater variety of videos and conditions than those anticipated in the subjective tests
- In such scenarios, we see false positives / negatives

Exploring new approaches

- Create and evaluate successively a large-scale database such that is not feasible to test subjectively
- Cases where the metrics agree/disagree
- Able to identify systematic weaknesses in objective metrics and how well each performs in a variety of condition

Progress

- Finalise & approve collaboration agreement letter end of March 2019
- Develop test plan April 2019
- Updates at next VQEG meeting
- Scope of work: Open source and commercial VQ metrics

