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 conditions
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