

VQEG Joint Effort Group

Boulder meeting 2010

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Boulder meeting JEG Agenda

- Recap
- Framework progress presentations
- Discussion on future call for evidence
 - Available test databases
- Procedure for Core Experiment
 - Subjective test procedure
 - SRC scenes
 - HRCs
 - Model test
 - Verification

JEG summary

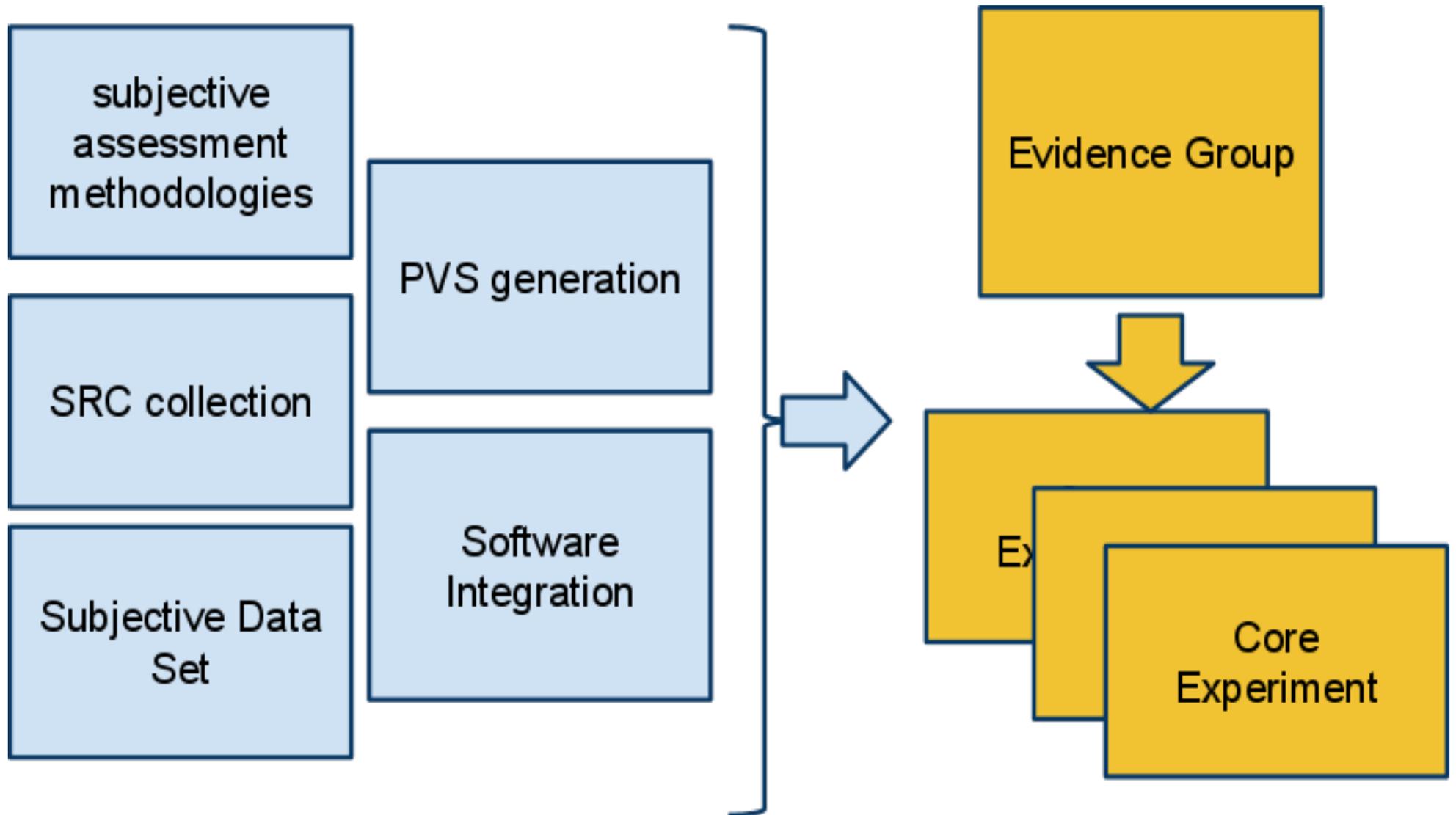
- First scope: Hybrid NR-H264
 - Profile:
 - At least : Stream at NAL level
 - Possibility to define extended profile to cover protocol level parameters (UDP, RTP, DVB, bluray ...)
 - Level: from QCIF to HD
- Main goals and benefits
 - Joint Effort based on scientific exchange
 - no needs for secret database !
 - Common Working Dataset WD (known by contributors) to test the contributions
 - Possibility to present analysis based on non public dataset
 - Goal : identify limits of contribution for further improvement*
 - Possibility to constantly feed the database with new conditions ...we can work on the database in parallel with model development
- Interested groups so far:
 - Acreo, NTIA, Ghent, Opticom, Ericsson, Tlabs, Intel, Verizon, BT, NTT

Collaborative approach for JEG (Joint Effort Group*)



*known also as groustougroust or gröstögröst

JEG working group activities



Collaborative approach for JEG

Step 1: Call for Evidence

=> new metrics ...doesn't need to be full functional model

=> subjective methodology

=> limitation of current metrics

on a limited scope, for example/

coding impairments with access to the PVS and/or the
bitstream

JEG approach

Step 2: decision to launch core experiment for validation =>
joint effort

metric case: based on source code
experiments for testing and that increases the database

Step 3: decision

- further core experiment
- validation of the tested methods

Step 4: software integration

then reprocess all steps increasing the scope of the metrics

JEG approach

Working groups are working on:

- next CfE specification
- action points for common concerns: SRC collection, PVS generation, set up, software integration ...
- core experiment (current and beyond)

Next steps

- Call for evidence and contributions

Objectives and concerns of the call

Phil and Quand's