

# **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

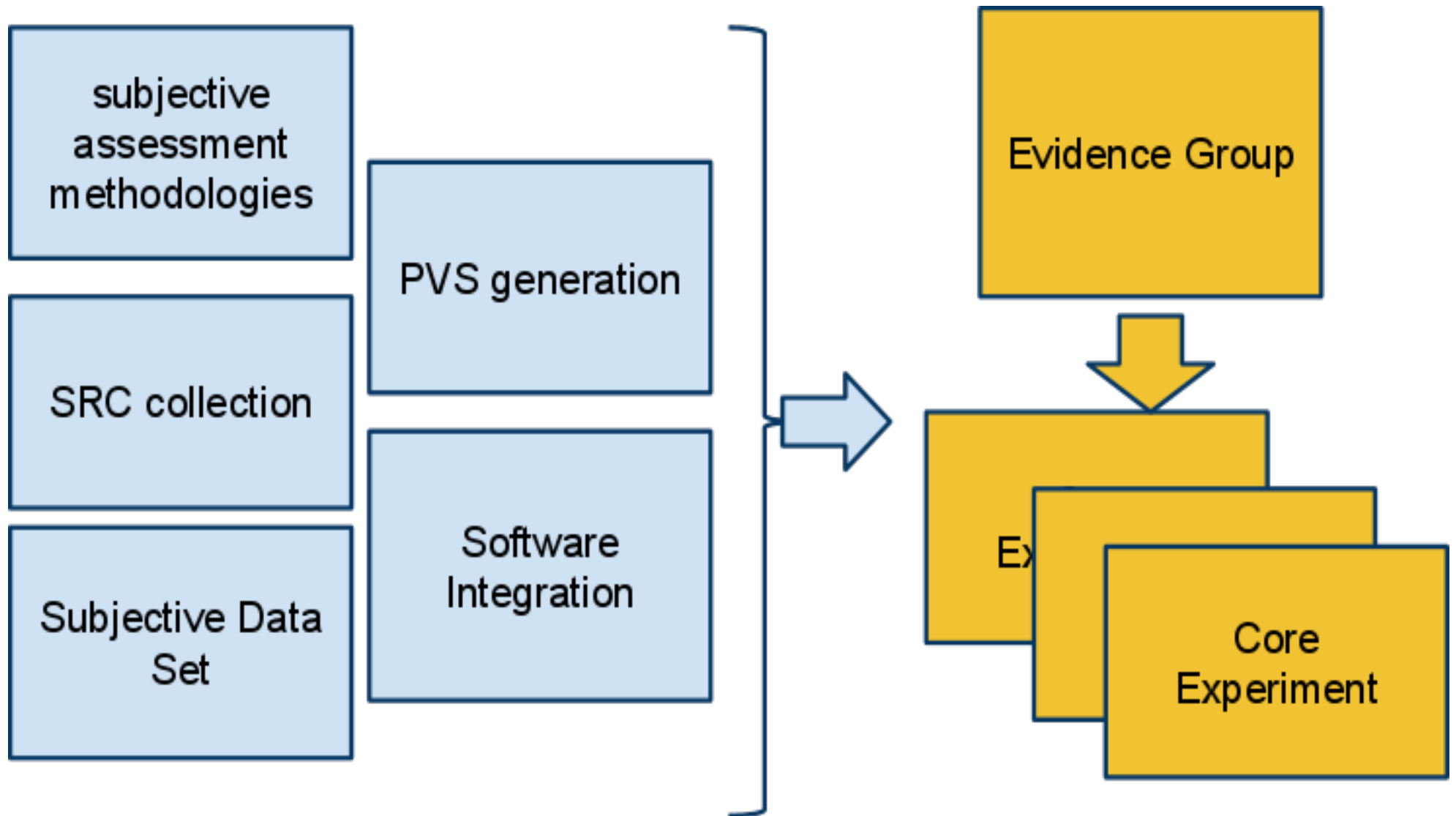
- First scope: Hybrid NR-H264
  - Profile:
    - At least : Stream at NAL level
    - Possibility to define extended profile to cover protocol level parameters (UDP, RTP, DVB, bluray ...)
  - Level: from QCIF to HD
- Main goals and benefits
  - Joint Effort based on scientific exchange
  - no needs for 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