

Use cases for HD testplan: format consideration



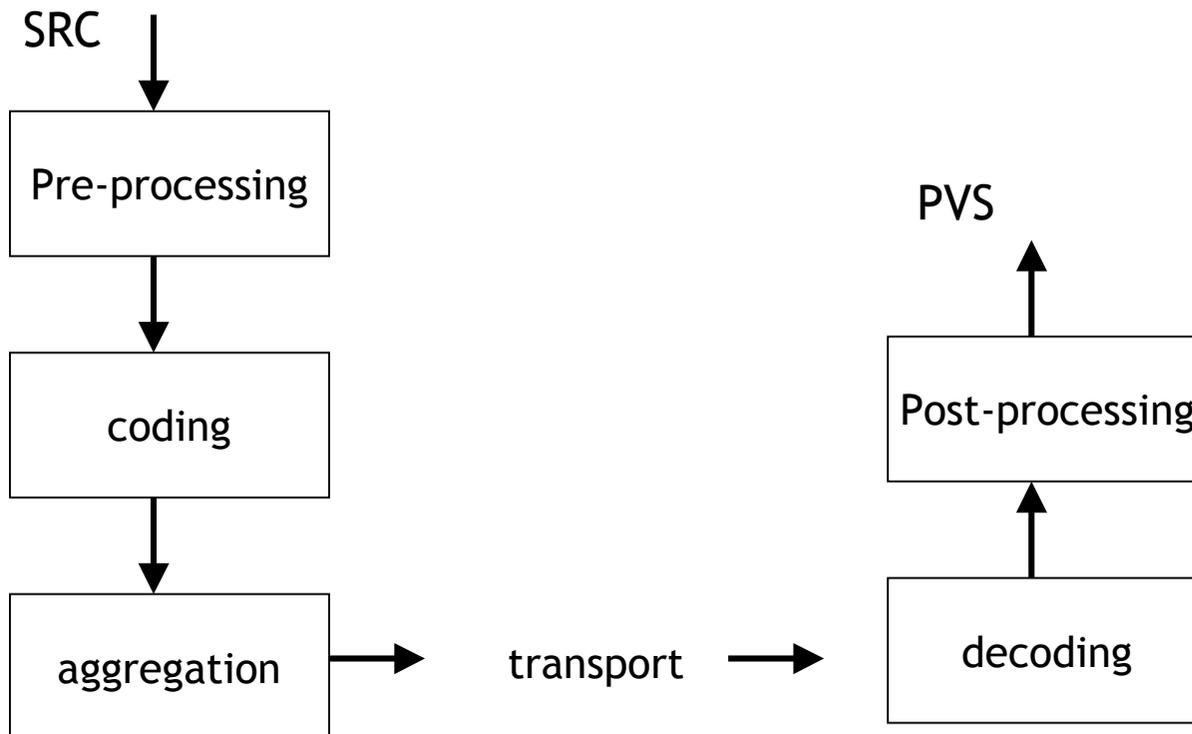
P. Le Callet, R. Pépion

Usual scenario

Fact

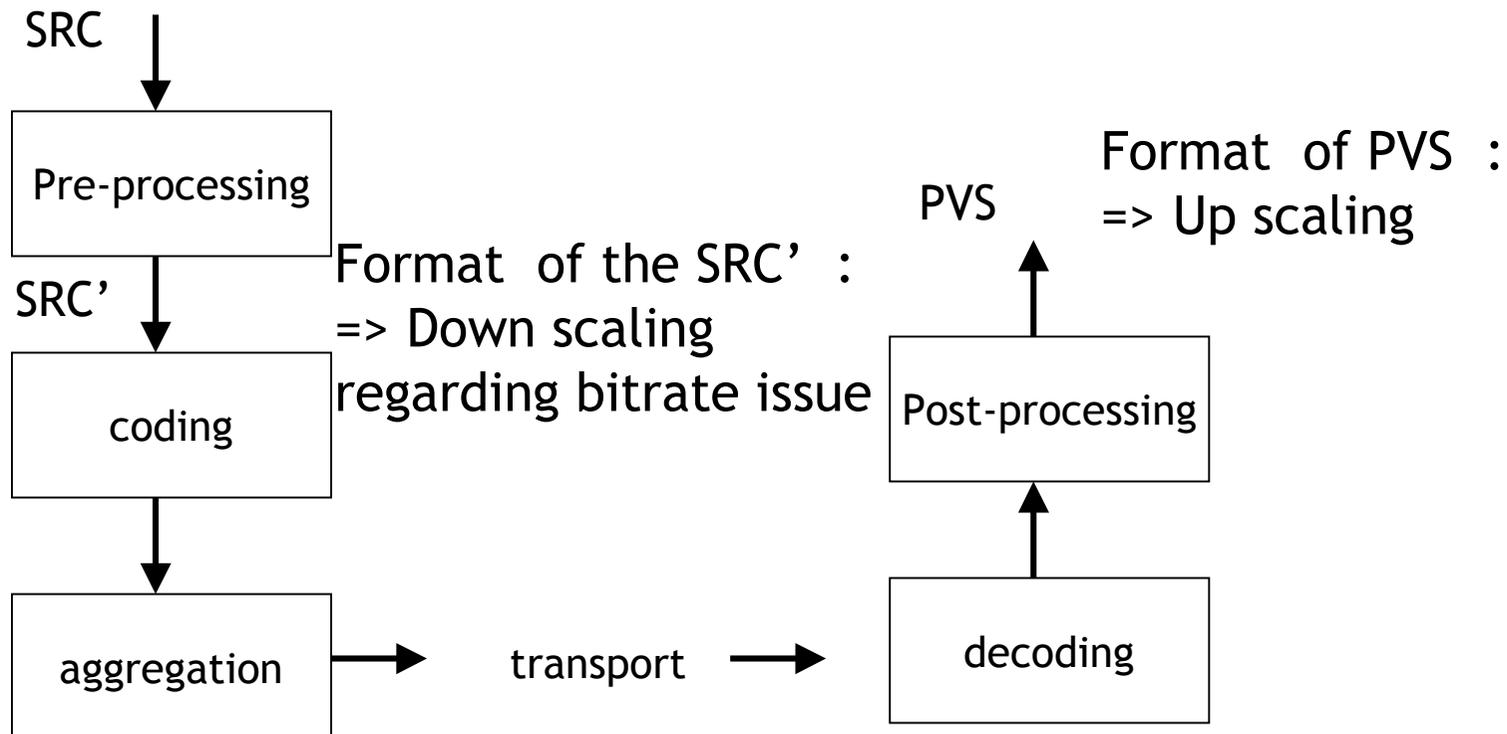
Final users have full HD or HD ready displays :

=> upscaling is mainly used



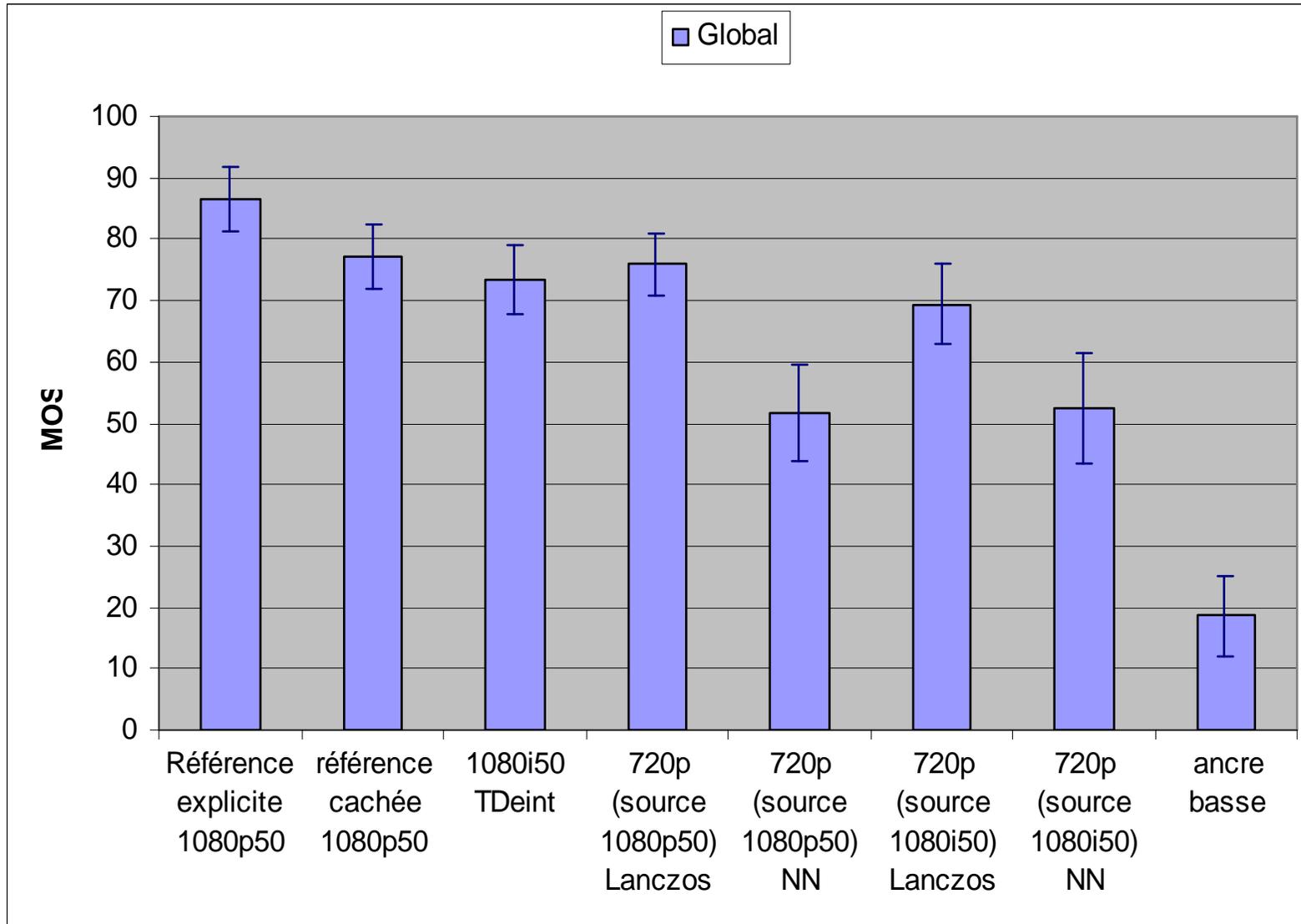
Issues

Format (e.g; resolution p or i) of the SRC :
=> Mainly 1080i, sparsely 1080p



Typical study

(requested by industry)



proposal for HDTV Testplan

720p native is of limited interest since it will be upscaled...

... but is of interest as part of HRC (using down and up scaling) when viewed at 1080 resolution

⇒ subjective testing could be conducted only at 1080 resolution
(e.g. models will see only 1080 SRC)

SRC issues :

- 1080i only

 - pros: many available SRCs, faster testplan

 - cons: scenario are missing

- 1080i and 1080p

 - pros: more scenarios,

 - cons: SRC (some 1080p SRC could be obtained from 1080i)

- 1080p only

 - pros: models see only p format