

Image quality with EasyVision

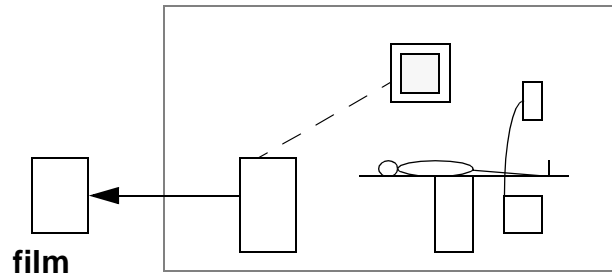
PMS Image Quality Seminar

june 20, 1996

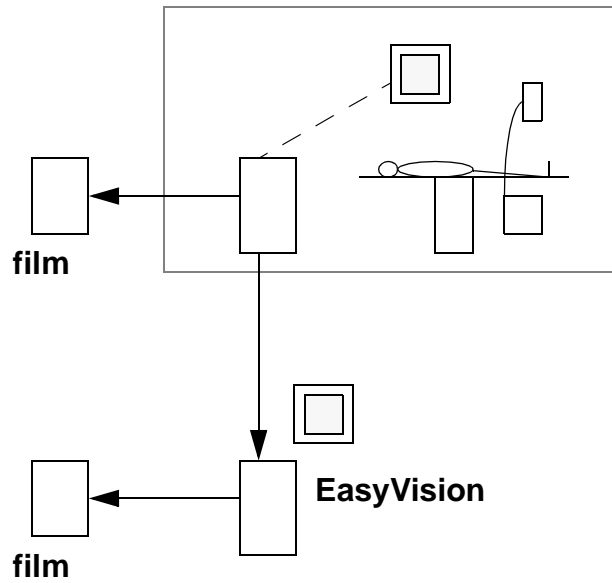
Gerrit Muller

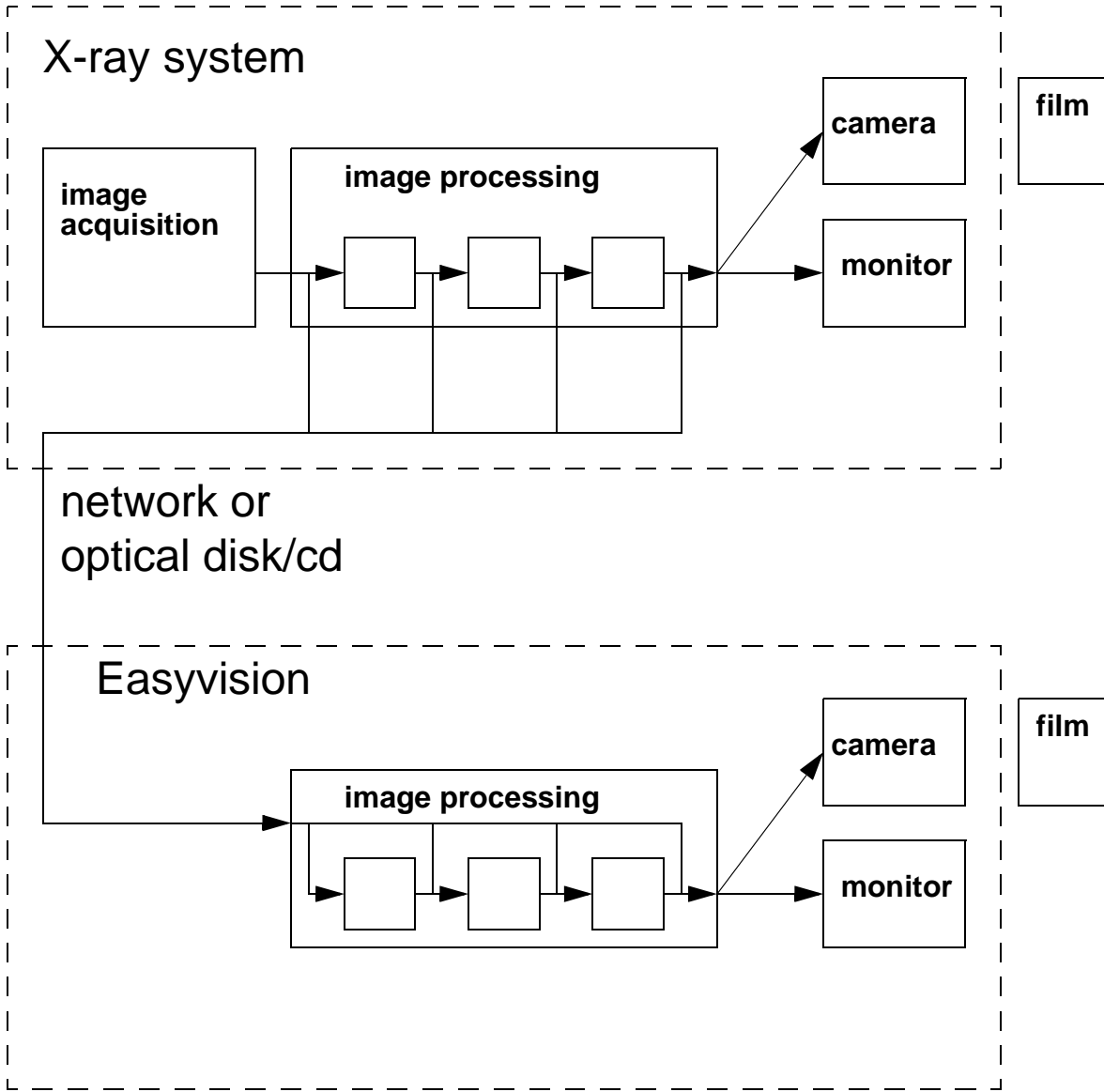
Senior System Designer ICS-WS

Old situation



New situation





What You See Is What You Get !?

At least for images

Not bit/pixel wise identical

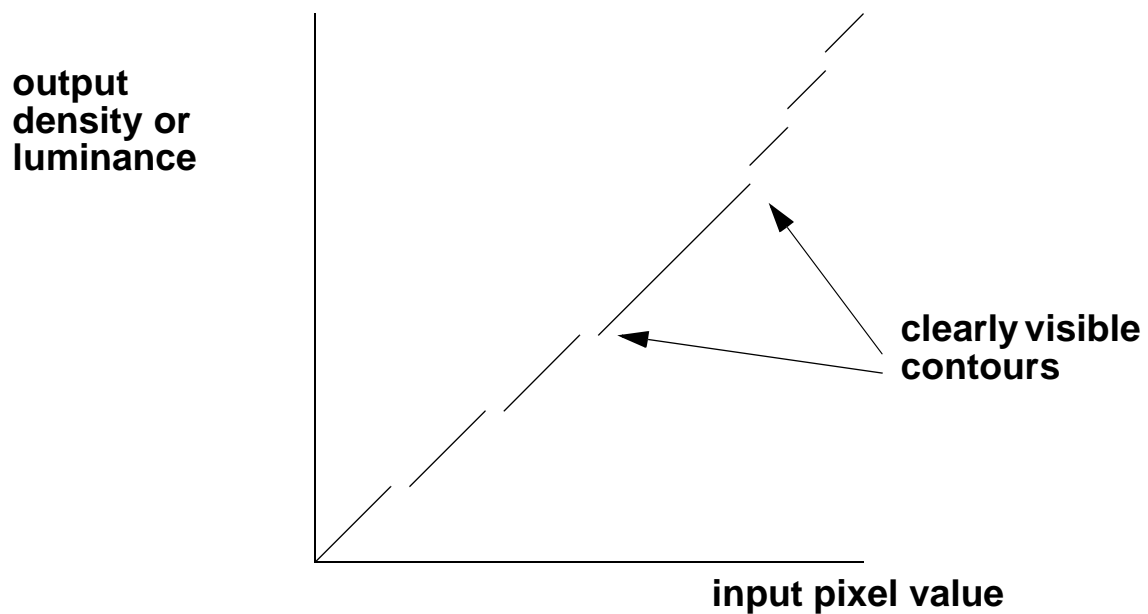
- improvements should be possible

Easyvision attempts to obtain at least the same IQ.

Most common problems

1. Greylevel mapping (C/B, calibration)

- different interpretation (f.i. image is too dark)
- (accumulation of) discretization



Most common problems

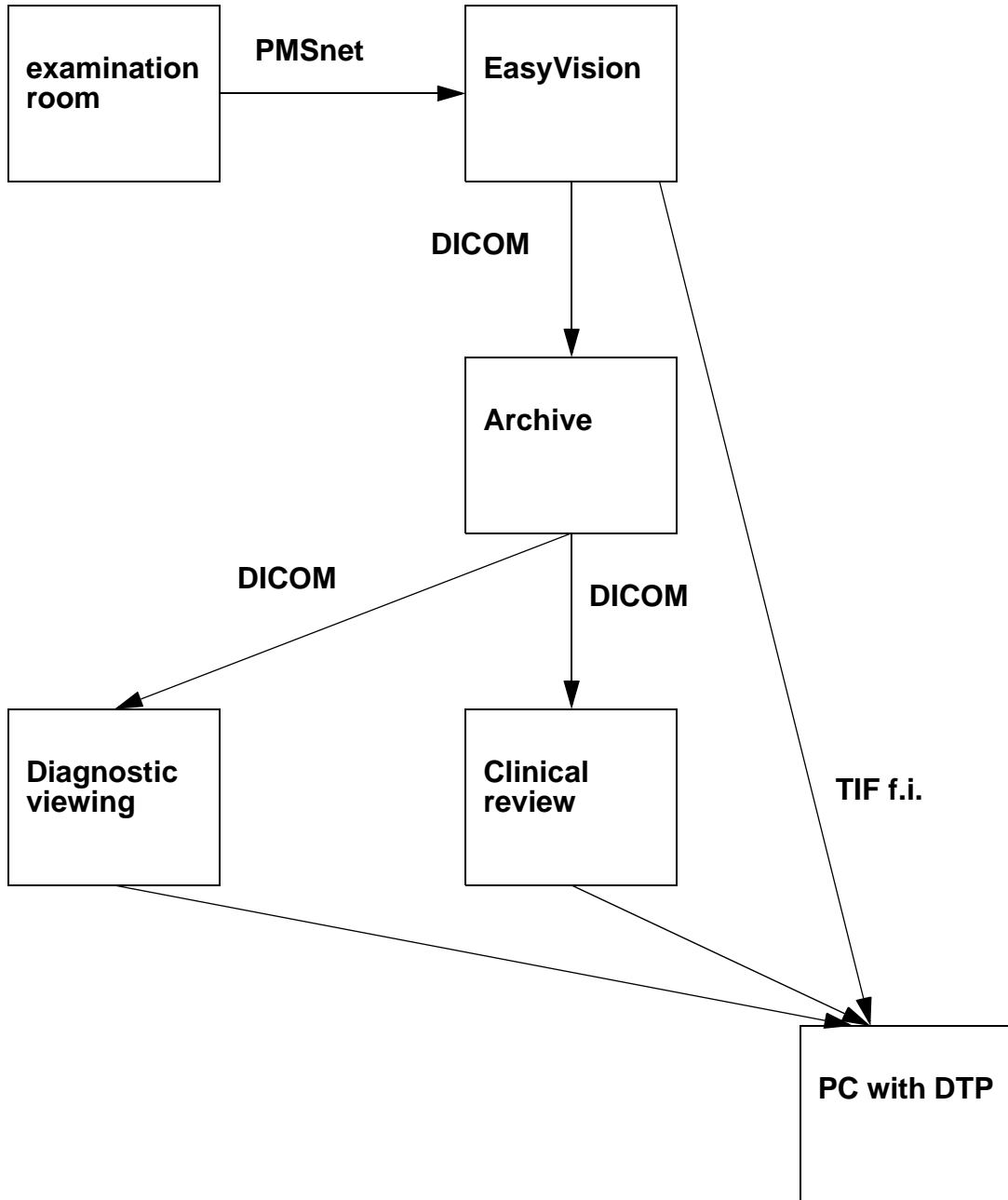
2. Changes in algorithms from one release to the next release

- image processing recipe is part of PMSnet (DICOM) data
- some processing information is part of bilateral agreement (sic.)

3. Annotations

- not present, wrong or poorly rendered

The world beyond EasyVision



DICOM does not solve IQ problems

Dicom enables this whole new world of additional IQ problems

Solution(s):

- validate combinations of systems (like hardcopy units)
- educate workstation developers in modality processing and vice versa
- PMG's work/plan together
- work together with ACR/NEMA to improve