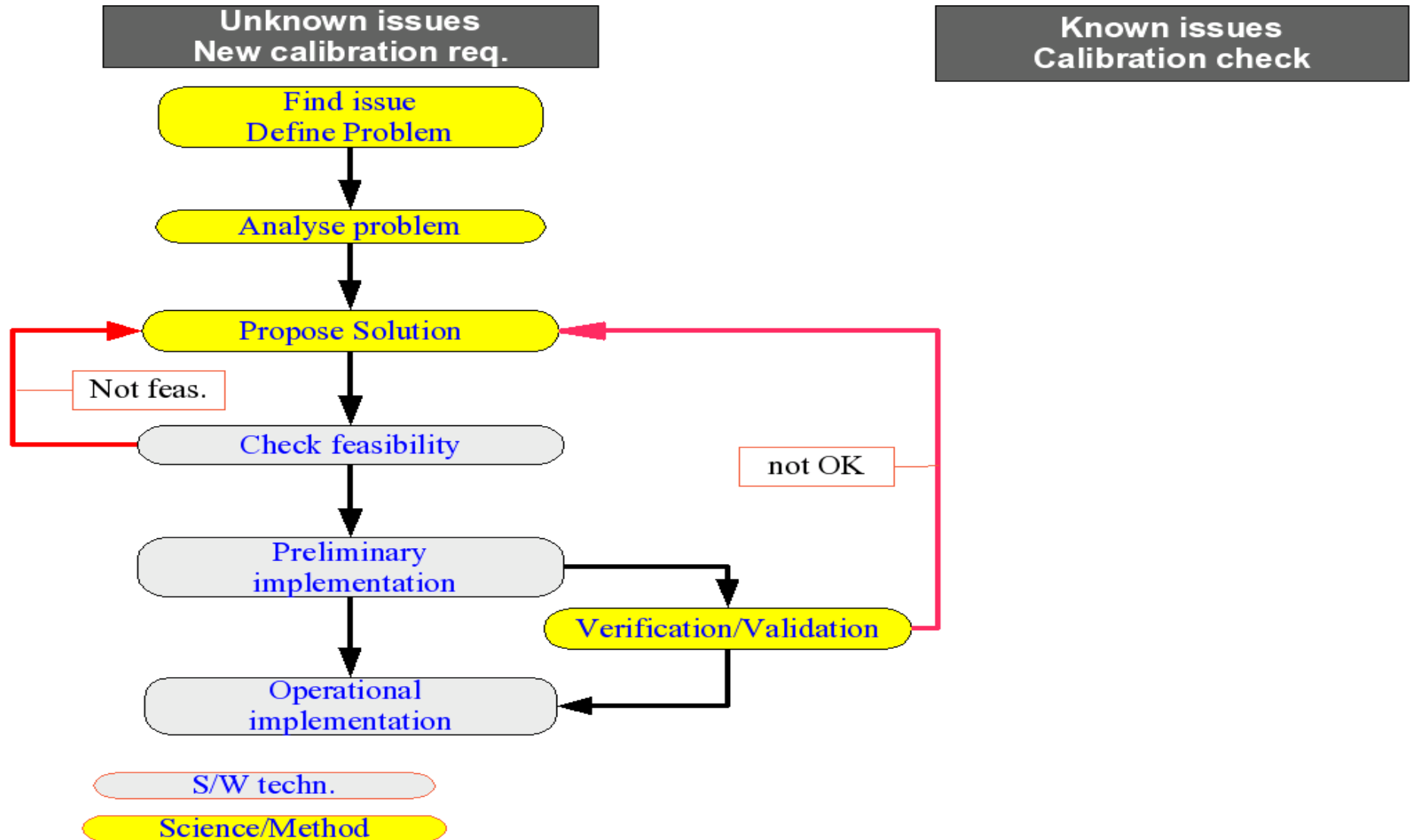
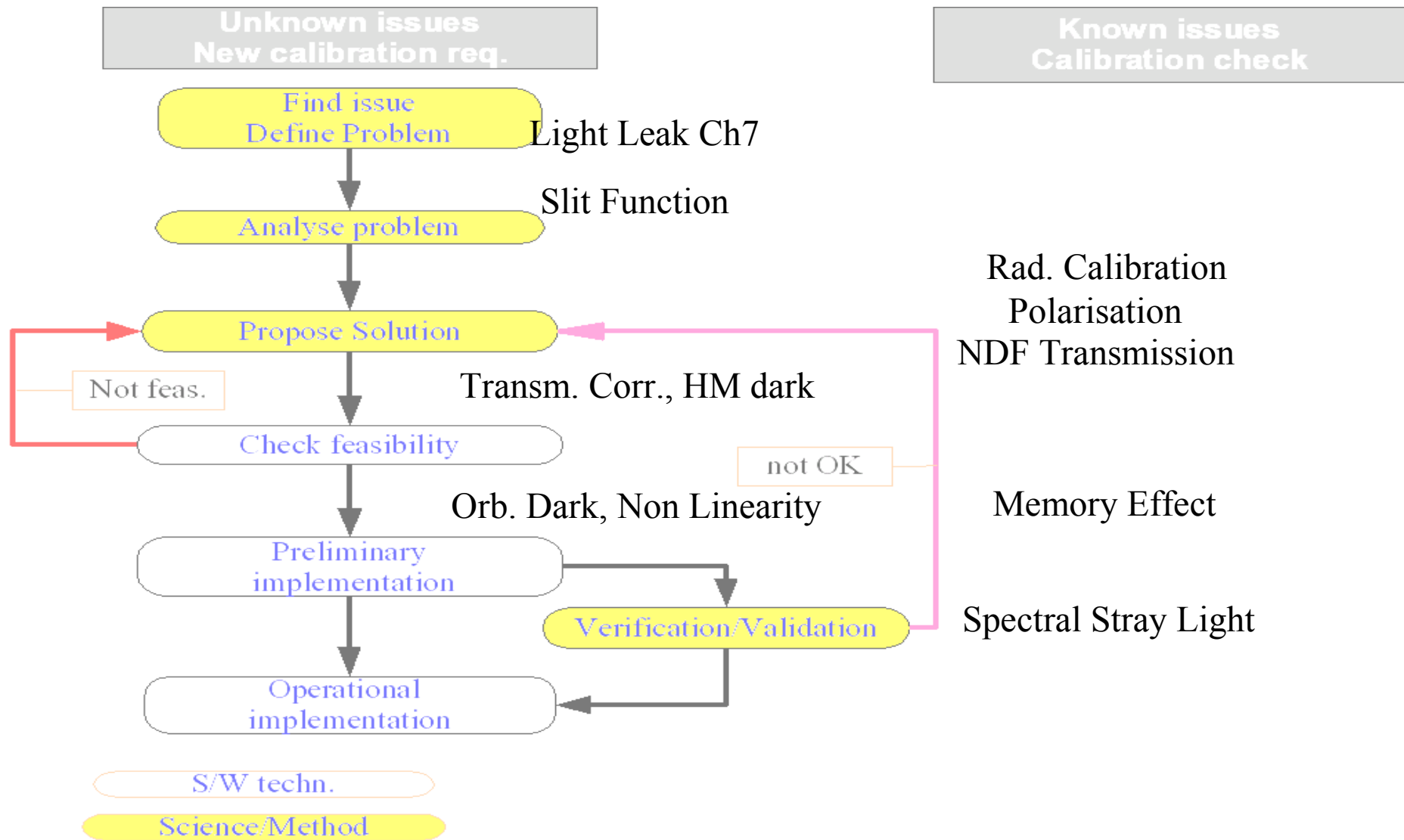


# **SCIAMACHY Level 1 validation conclusions**

**G. Lichtenberg et al.**

**SRON - National Institute for Space Research  
Utrecht, The Netherlands**





## Critical issues

- Implementation time for L1 changes has to be improved. We need
  - Better communication between L1 and L2
  - A quick way to test new algorithms is needed (already possible in a limited- way with the SRON L1 patch routines, a way to remove the limitations is under discussion with ESA/DLR)
  - Speed up of the implementation time
- All open issues will be tracked by Calibration TT and **SCIAMACHY Quality Assurance Team**
- Information about DP changes has to be given to users in a transparent way

## More investigations needed for...

- Light Leak Channel 7
- Ice Slit function correction (already some results)

## Analysis nearly completed for ...

- Radiometric calibration
- Polarisation

## Solutions proposed for...

- NDF transmission (to be submitted)
- Transmission correction
- Hot Mode Dark

## Awaiting implementation are...

- Memory Effect Correction
- Non-Linearity correction
- Orbital darks

## Currently under verification are...

- Spectral stray light