
# IWW10 Plenary Discussion

## Collaborative projects

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# Collaborative Projects

**Discussion items**

1. Developing a portable AMV processing software
2. Further inter-comparison studies
3. Simulated imagery studies
4. More coordinated efforts to evaluate AMV quality and to develop error estimates
5. Share results of AMV adjoint studies and data denial trials

# Collaborative Projects

## Inter-comparison studies

- Should we run routinely? Every 2 yr to coincide with IWWs?
- Options for next phase
  - Choice of period
  - Set-up
  - Study foci
  - Which centres involved
  - Who to carry out analysis

# Collaborative Projects

## Simulated imagery studies

- Constrained by realism and resolution of simulated imagery – need high resolution model (e.g. WRF SEVIRI full-disc, other options?)
- Should we pursue?
- Focus of initial phase (possibly 8-9 man months)? Options:
  - Association of errors with cloud type and evolution, including passive tracer assumption
  - Test treatment of layer winds
  - Improve characterisation of spatial and temporal error correlations
- Should we use more often to test AMV derivation development? (as done for GOES-R project)

# Collaborative Projects

## AMV quality and error estimates

- NWP SAF analysis reports provide good starting point for further studies
  - Are centres willing to collaborate to address specific features?
- Error estimates
  - These would be very useful for NWP
  - Which producers are working on this issue?
  - How best to share plans and results?
  - Ideas for developing:
    - Height error estimates
    - u/v error estimates

# Collaborative Projects

## Priorities

- Any thoughts on relative priorities of our proposed projects...

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