



Summary Panel D discussions
Grouping of CAL/VAL activities
according to scientific or technical
themes

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Summary Panel D (1/4)

Groupings: existing or forming

- Groupings are important and useful for:
 - Initializing/steering/coordinating certain themes, e.g. polar or tropical cal/val, assimilation in regional/global NWP, aerosols
 - Involving new partners, e.g. for geographic coverage:
 - Stella stressed good radar network in Australia.
 - Detlev: lidar groups in New Zealand.
 - Detlev: contacts to lidar and NWP groups in Korea.
 - Large observational network in Russia.
 - Finding/exchanging expert knowledge and complementary knowledge/instrumentation. Areas: aircraft, networks, ground-based/supersites, model
- If gap identified, groupings could be recommended by ESA or MAG. Continuation of groupings depends on its activities.

Summary Panel D (2/4)

Groupings: existing or forming

- Outreach needed to animate participation in groups.
- Existing groupings can be utilized, e.g. YOPP, EARLINET, ACTRIS, EUMETNET-SRNWP, HIRLAM
- How can new communities motivated to participate in cal/val? Win-win? E.g. by
 - condensed list of cal/val goals
 - stressing importance of ground stations for cal/val
 - Synergy of cal/val and science
- Important with linking to other mission, e.g. EARTHCARE, maybe CLOUDSAT,
 - Arnoud: Sentinel-5p/TROPOMI
- Creation of working groups (topical sessions on conferences). Reasonable level of ESA coordination suggested.
- Positive NWP impact will convince others.
- Use in reanalysis requires a longer planning horizon than NWP.



Summary Panel D (3/4)

Information and support

- Information should be presented centrally (ESA landing page)
 - Structured access to the different tools and products
 - Reduce threshold for newcomers in getting started with tools and data
 - Ensure that output of cal/val planning tools is consistent.
 - Instrument mode time line for planning. How can the information be made available to the campaign planning groups?
- How/Could groupings request modifications of the instrument mode time line?
- Common timeline for cal/val
- Although budget processes take long time, plan for possibilities.
- Besides ESA helpdesk need was emphasized for interface to wind product producer.
- Useful to clarify distribution of BUFR files by ECMWF
- Erland: ECMWF provides forecast data to any measurement campaign, needs special account.

Summary Panel D (4/4)

Communication channels

- Flexible communication is needed to update on progress and plans, e.g. campaign plans, common timeline for cal/val, funding decisions, possibilities for piggy-back, capacities of cal/val partners
 - Make a living table on data type: aircraft, networks, ground-based/supersites, model
 - add also capacity for adding collaboration, and planned activities
- Regular workshops for keeping contact
- A wiki would be appreciated where groupings can create their own pages allowing for self-organization
 - Possible areas: polar region, tropics, southern hemisphere, NWP, aerosol
 - Searchable keywords needed
 - Additional functions could be: forum, document repository, dashboard