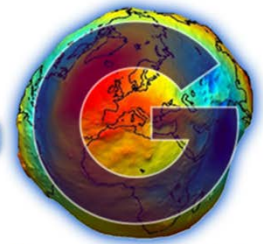


COST-G



Combination Service for Time-variable Gravity Models

COST-G: how to become a partner Analysis Center

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COST-G: Membership

- **COST-G Analysis Center (AC):**
member of the **Directing Board (DB)**
with voting rights

- **Partner Analysis Center (PC):**
 - contribute to combinations
 - get feedback on validation (best effort)
 - participate in COST-G meetings
(only one vote for all PCs)

COST-G PC

- In case of GRACE:
 - provide time-series (min. 2003-2016) of monthly gravity fields: max. degree ≥ 90 , gfc-format
 - provide information on the time-series (background force model, processing approach); could be reference to a paper (if available)
 - for inclusion in a future COST-G RL02 combination:
 - Provide monthly means of background models
 - Provide NEQs in SINEX format (example available)

COST-G PC

- In case of GRACE-FO (operational combination):
 - provide monthly gravity fields (max. degree ≥ 90 , gfc-format) with ≤ 3 months latency
 - provide monthly mean of AOD dealiasing product:
 - AOD05/AOD06: GAC
 - Other dealiasing model: monthly mean in gfc- or GAC-format
 - optional: provide monthly NEQ in SINEX-format

COST-G AC

- Agree to follow COST-G Standards Document:
 - full signal (monthly gravity field + monthly means of background models)
 - free solution (no regularization)
- Pass benchmark test: compare to dataset of forces along given orbit
- Provide processing details to be collected in the release notes of COST-G combinations
- Be approved by the Governing Board
- Optional: provide NEQs in SINEX-format

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