



## Modelling centre feedback

The Data Request Task Team and Thematic Author Groups welcome any feedback modelling centres can provide on the current Data Request content. If you are able to provide Opportunity and, if you have capacity, variable group feedback, this will be utilised to ensure the CMIP7 Data Request maximises user satisfaction.

Questions in this form are limited to your centre's production intent/internal prioritisation of the Opportunities and Variable Groups. If you would like to provide any more detailed feedback on any Opportunity or Variable Group (e.g. a comment on missing variables), please do so via the comment form: <https://bit.ly/CMIP-comment-opportunities>.

If you would like to provide any specific technical feedback on one or more variables, please do so via the variable comment form: <https://bit.ly/CMIP-variable-comment>.

If you would like to comment on the Data Request Software, please do so via GitHub: [https://github.com/CMIP-Data-Request/CMIP7\\_DReq\\_Software](https://github.com/CMIP-Data-Request/CMIP7_DReq_Software).

Please provide consolidated responses from your centre. This form will not save if you leave the webpage. Therefore, if you would like to complete it in sections (e.g. complete your responses for high priority Opportunities first) that is fine. If you have previously provided feedback and would like your answers to replace any previously provided answers, please indicate this by writing UPDATED after your modelling centre identifier in question two below.

### About your centre

#### Data sharing acknowledgment \*

I acknowledge I have read and agree to the [CMIP IPO Privacy Policy](#). I also understand that our answers will be shared with the Thematic Author Groups to aid harmonisation across the Data Request development process.

If you have any issues/questions, please contact the CMIP IPO at [cmip-ipo@esa.int](mailto:cmip-ipo@esa.int).

#### Modelling centre \*

Please write your modelling centre acronym/identifier below. If you are submitting this feedback for a specific model in your centre, please indicate this as well.

#### Email contact \*

The Task Team/Thematic Author Teams will use this email for any questions relating to your feedback below.

### Opportunity production intent

In the six questions below, please select all the Opportunities which match the production intent in the question. E.g. for the first question, select all the Opportunities which you will definitely aim to produce. We are aware that plans are still evolving in many centres and will evaluate your responses with this in mind.

If you are unsure about your intent for any Opportunity, please do not select it in any of the six questions below.

#### High priority Opportunities

We will definitely aim to produce data to support the following Opportunities.

+ Add record

#### Medium priority Opportunities

We would like to produce the following Opportunities, but this will depend on other factors.

+ Add record

#### Low priority Opportunities

We will only produce the following Opportunities if time/volume allows.

+ Add record

#### Will not produce these Opportunities

This is because they are not relevant for our model(s).

+ Add record

#### Will not produce Opportunity

This is because they are impossible with our workflow, e.g. annual means, climatologies.

+ Add record

#### Will not produce Opportunity

This is because the data request volume is too large.

+ Add record

## Variable group production intent (optional)

The following variable groups are requested from one or more of the Opportunities you have indicated high/medium/low production intent for in the previous section. The proposers of the variable groups have suggestion their own priority levels for different variable groups, but we would like to know your production intent. If you are able, please let us know per variable groups below.

To view the full list of variable groups, and the Opportunities they are requested for, [please see here](#).

Please note, all questions below are optional. The priority definitions are the same for all variable groups.

#### baseline\_monthly variable group production intent

- Yes, high priority (will aim to definitely produce)
- Yes, medium (would like to produce, will depend on other factors)
- Yes, low (will only produce if time/volume allows)
- No (not relevant for our model)
- No (Impossible with our workflow, e.g. annual means, climatologies etc)
- No (Data request volume too large)

#### baseline\_daily variable group production intent

- Yes, high priority (will aim to definitely produce)
- Yes, medium (would like to produce, will depend on other factors)
- Yes, low (will only produce if time/volume allows)
- No (not relevant for our model)
- No (Impossible with our workflow, e.g. annual means, climatologies etc)
- No (Data request volume too large)

#### baseline\_fixed variable group production intent

- Yes, high priority (will aim to definitely produce)
- Yes, medium (would like to produce, will depend on other factors)
- Yes, low (will only produce if time/volume allows)
- No (not relevant for our model)
- No (Impossible with our workflow, e.g. annual means, climatologies etc)
- No (Data request volume too large)

#### baseline\_subdaily variable group production intent

- Yes, high priority (will aim to definitely produce)
- Yes, medium (would like to produce, will depend on other factors)
- Yes, low (will only produce if time/volume allows)
- No (not relevant for our model)
- No (Impossible with our workflow, e.g. annual means, climatologies etc)
- No (Data request volume too large)

aerchemmip\_2d\_daily variable group production intent

aerchemmip\_2d\_monthly variable group production intent

aerchemmip\_2d\_subdaily variable group production intent

aerchemmip\_2dZ\_monthly variable group production intent

aerchemmip\_3d\_daily variable group production intent

aerchemmip\_3d\_monthly variable group production intent

aerchemmip\_CFsites variable group production intent

aerchemmip\_fixed variable group production intent

aerchemmip\_ocean\_salt\_and\_heath\_transport\_variables\_monthly variable group production intent

AgAirPollution variable group production intent

AgCarbon variable group production intent

AgImpactsMisc variable group production intent

AgLandUse variable group production intent

AgModelCoreDaily variable group production intent

AgModelExpandedDaily variable group production intent

AgModelHourly variable group production intent

AgWaterCore variable group production intent

AgWaterExt variable group production intent

atmosphere\_carbon\_cycle\_tier1 variable group production intent

aviation\_impacts\_additional variable group production intent

aviation\_impacts\_essential variable group production intent

biodiv\_freshwater\_daily variable group production intent

biodiv\_land\_daily variable group production intent

biodiv\_land\_daily\_advanced variable group production intent

biodiv\_land\_monthly variable group production intent

biodiv\_marine\_daily variable group production intent

biodiv\_microclim\_hourly variable group production intent

carbon\_isotopic\_variables variable group production intent

CFMIP-aero variable group production intent

CFMIP-aux variable group production intent

CFMIP\_cfSites variable group production intent

CFMIP\_cosp\_extra variable group production intent

CFMIP\_daily\_3D variable group production intent

cfmip\_monthly variable group production intent

CFMIP\_monthly\_diurnal variable group production intent

CFMIP-convective variable group production intent

CFMIP-daily variable group production intent

CFMIP-monthly variable group production intent

CHELSA\_land\_daily variable group production intent

clouds\_basic\_average variable group production intent

clouds\_basic\_instantaneous variable group production intent

cosp\_output variable group production intent

cowclip\_wind\_wave\_variables variable group production intent

DAMIP\_daily variable group production intent

DAMIP\_monthly variable group production intent

DCPP\_Essential variable group production intent

DCPP\_Wider variable group production intent

dynamical\_downscaling\_core variable group production intent

dynamical\_downscaling\_ocean\_core variable group production intent

dynvar\_advanced variable group production intent

dynvar\_basic variable group production intent

FireMIP\_daily variable group production intent

FireMIP\_monthly variable group production intent

HealthFloodingDaily variable group production intent

HealthHeatCoreDaily variable group production intent

HealthPollutionDaily variable group production intent

HeatHealthExpandedDaily variable group production intent

hydro\_modelling\_daily variable group production intent

hydro\_modelling\_subdaily variable group production intent

hydrology variable group production intent

impact\_energy\_building\_demand variable group production intent

impact\_energy\_damaging\_other variable group production intent

impact\_energy\_hydropower variable group production intent

Impact\_energy\_river\_temperature variable group production intent

impact\_offshore\_wind\_installation variable group production intent

impacts\_climserv\_hourly\_core variable group production intent

impacts\_climserv\_hourly\_expanded variable group production intent

impacts\_energy\_damaging\_wind variable group production intent

ISIMIP\_deposition\_variables variable group production intent

ISIMIP\_oceanforcing\_3hr variable group production intent

ISIMIP3hourlyAtmos variable group production intent

ISIMIPMinimalAtmos variable group production intent

land\_benchmarking\_and\_landcover\_variables\_tier1 variable group production intent

land\_benchmarking\_and\_landcover\_variables\_tier2 variable group production intent

land\_carbon\_cycle\_tier1 variable group production intent

land\_carbon\_cycle\_tier2 variable group production intent

land\_ch4\_fluxes variable group production intent

land\_nitrogen\_cycle\_tier1 variable group production intent

land\_nitrogen\_cycle\_tier2 variable group production intent

landatm\_coupling\_3hA variable group production intent

landatm\_coupling\_3hr\_medium variable group production intent

landice\_antarctica\_allfreq variable group production intent

landice\_glaciers\_allfreq variable group production intent

landice\_global\_allfreq variable group production intent

landice\_greenland\_allfreq variable group production intent

landuse variable group production intent

marine\_bgc\_baseline variable group production intent

marine\_bgc\_carbon\_sink variable group production intent

marine\_bgc\_fisheries variable group production intent

marine\_bgc\_fishmip variable group production intent

marine\_bgc\_pp\_uncertainty variable group production intent

marine\_bgc\_seaice variable group production intent

marine\_bgc\_sediments variable group production intent

Ocean\_acidification\_oxygen\_extremes variable group production intent

ocean\_carbon\_cycle\_tier1 variable group production intent

ocean\_carbon\_cycle\_tier2 variable group production intent

ocean\_grid variable group production intent

Ocean\_KE\_vorticity\_extremes variable group production intent

ocean\_meridional\_overturning\_streamfunctions\_yearly variable group production intent

ocean\_mesoscale variable group production intent

Ocean\_Temperatures\_Extremes variable group production intent

omip\_boundary\_fluxes\_medium\_priority variable group production intent

omip\_budgets variable group production intent

omip\_geometry\_high\_priority variable group production intent

omip\_geometry\_low\_priority variable group production intent

omip\_geometry\_physics variable group production intent

omip\_momentum\_fluxes\_high\_priority variable group production intent

omip\_parameterizations variable group production intent

omip\_scalar\_fields variable group production intent

omip\_scalars\_high\_priority variable group production intent

omip\_scalars\_low\_priority variable group production intent

omip\_surface\_fluxes\_high\_priority variable group production intent

omip\_surface\_fluxes\_medium\_priority variable group production intent

omip\_transports\_high\_priority variable group production intent

omip\_transports\_low\_priority variable group production intent

omip\_transports\_medium\_priority variable group production intent

omip\_vectors\_high\_priority variable group production intent

paleo\_atmosphere variable group production intent

paleo\_cryosphere\_high\_priority variable group production intent

paleo\_cryosphere\_medium\_priority variable group production intent

paleo\_cryosphere\_low\_priority variable group production intent

paleo\_fx variable group production intent

paleo\_land\_atmosphere\_surface variable group production intent

paleo\_ocean variable group production intent

paleo\_ocean\_3D variable group production intent

paleo\_ocean\_transports variable group production intent



paleo\_permafrost variable group production intent

paleo\_radiation\_fluxes variable group production intent

paleo\_stable\_isotopes variable group production intent

paleodata\_assimilation variable group production intent

plant\_phenology\_high variable group production intent

plant\_phenology\_medium variable group production intent

radiativeforcing\_monthly variable group production intent

ref\_atmosphere variable group production intent

ref\_earth\_system variable group production intent

ref\_impacts\_and\_adaptation variable group production intent

ref\_land\_and\_landice variable group production intent

ref\_ocean\_and\_seaice variable group production intent

Sea\_level\_extremes variable group production intent

seaice\_budget\_area\_monthly variable group production intent

seaice\_budget\_energy\_daily variable group production intent

seaice\_budget\_energy\_monthly variable group production intent

seaice\_budget\_freshwater\_monthly variable group production intent

seaice\_budget\_mass\_monthly variable group production intent

seaice\_dynamics\_advanced variable group production intent

seaice\_dynamics\_basic variable group production intent

seaice\_gcos\_ecv variable group production intent

seaice\_global\_daily\_basic variable group production intent

seaice\_global\_monthly\_advanced variable group production intent

seaice\_global\_monthly\_basic variable group production intent

seaice\_state\_daily\_advanced variable group production intent

seaice\_state\_daily\_basic variable group production intent

seaice\_state\_monthly\_advanced variable group production intent

seaice\_state\_monthly\_basic variable group production intent

snow\_allfreq variable group production intent

SO\_BGC-cloud\_atmos\_composition\_monthly variable group production intent

SO\_BGC-cloud\_BGC\_monthly variable group production intent

SO\_BGC-cloud\_cloudvars\_monthly variable group production intent

SO\_BGC-cloud\_met\_monthly variable group production intent

SO\_BGC-cloud\_ocean\_monthly variable group production intent

statistical\_downscaling\_core\_6hourly variable group production intent

statistical\_downscaling\_core\_daily variable group production intent

statistical\_downscaling\_extended variable group production intent

surgemip\_variables variable group production intent

synoptic\_systems\_high\_priority variable group production intent

synoptic\_systems\_low\_priority variable group production intent

temperature\_variability\_daily\_highpriority variable group production intent

temperature\_variability\_daily\_lowpriority variable group production intent

tipmip\_baseline variable group production intent

tipmip\_extended variable group production intent

transport\_impacts\_essential variable group production intent

urban\_impacts\_additional variable group production intent

urban\_impacts\_essential variable group production intent

WaterResources\_daily variable group production intent

WaterResources\_monthly variable group production intent

WaterResources\_subdaily variable group production intent

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