

Legacy Program

The current extension phase lasts until 09/22. An extension for 2 years is possible under the current MOU and has been suggested to the SC. In case such an extension is granted in mid - 2021, we may want to change the way in which our observing program is planned and set up.

We would have another 3 years, offering about 3000-3500h of observations.

We may want to plan using $\sim 2/3$ of this time for a consolidated 'legacy' program and keep $1/3$ for anything that comes up during these 3 years.

Purpose: Ensure that for all areas under study with HESS the most important empirical questions that are within reach of HESS have been addressed.

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Advantages: We could address programs exceeding the amount of time available within a single year, reduce the risk of leaving large programs 'unfinished' and manage exploratory programs.

Disadvantage: Reduced flexibility in scheduling individual projects (balanced by ToO projects (part of legacy) and 1/3rd of additional time).

2000h for ~6 WGs/topics (with very different needs and plans) allows for consolidated programs of order 150h – 600h over 3 years.

This is **not** a contingent, but meant as ballpark figure.

In some science programs there may be alternative (prioritized) sources.

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Practicalities: Priorities have already been defined by working groups:
Extension document, WG priorities (see <https://hess-confluence.desy.de/confluence/pages/viewpage.action?pageId=241303566>).

Some still need to be consolidated (sources, observing times).

Implementation based on WG-driven priorities, advice by (WG-independent) experts (OC++) and scheduling constraints.

Remaining time distributed upon recommendations by (modified) OC and DDT.