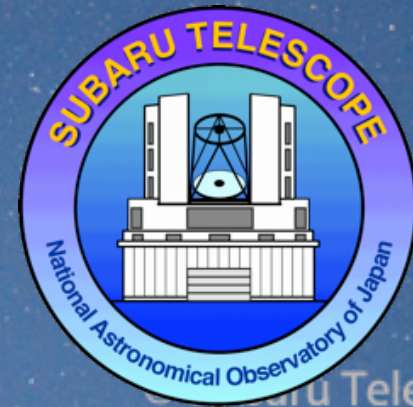


Questions to speakers

ULTIMATE-Subaru Working Group



Questions to speakers

All speakers: please include your answer to Q1-Q4 in your talk.

Q1: What do you think is the “KEY” science/observations for ULTIMATE in your research field? We hope to establish the very best science cases which are unique enough even in mid-late 2020s (i.e. post-JWST or WFIRST era!).

Q2: Which instrument (WFC/MOS/IFU) do you think is 1st priority for ULTIMATE? We currently consider the wide-field imager (WFC) is 1st priority, but we want to have your opinion.

Q3: Our current plan is to (1) build GLAO first, and then to (2) build new NIR instrument(s). This means that we will start our ULTIMATE science with GLAO + MOIRCS at the first stage. Do you have good science cases to be done with GLAO+MOIRCS during the period of ~2020-2023?

Q4: Which survey design sounds best for you (see [survey_design.pdf](#))? Your comments/suggestions on the ULTIMATE survey design are very welcome.

Additional discussion items

Q5-Q8 are optional, but your suggestions on these items are very welcome.

Q5: For those who are interested in wide-field imager (WFC): Are there any special requirements for the instrument specification (FoV, pixel scale, N. of NB filters)? Please note that FoV and pixel scale are trade-off (i.e. pix scale gets larger if we choose wider FoV).

Q6: Also, are you interested in tunable filter on WFC if technically feasible? With tunable filter we can flexibly change central wavelength of the filter, but the tunable filter is expected to be ~25% less sensitive than NBs.

Q7: For those who are interested in spectrographs (IFUs or MOS): are you happy with our current specifications? We hope to have your comments.

Q8: Are you interested in using adaptive secondary mirror (ASM) with non-GLAO mode? We stress that the performance of existing Subaru instruments (e.g. IRCS, HDS, SCExAO) will be significantly improved once we install ASM.