

WS summary

I. Iwata (Subaru Telescope)

Instrument Development

- Already international
- Diversity in scale
- Planning facility instrument
 - Need to establish formal procedure
- Complementarity between PFS and MSE
 - High resolution (cf. prototype)
 - Calibration techniques
 - Coordinated instrument plan on Maunakea
- Modular, phased approach in instrument development
 - AO188 / existing instrument upgrade to ULTIMATE-Subaru
 - ExAO
- Annual instrument development budget

Subaru Operations in Future

- Balance between:
 - large surveys and smaller programs
 - science programs and technical challenges
- More flexibility:
 - Remote observation from partner institutes
 - Queue-mode (HSC, PFS, NsIR instruments)
 - Cadence support
- How to coordinate ToO observations?
- Coordinated multi-facility observations

Building Collaboration

- Science motivated
- Variety in size
- Many intriguing opportunities even outside of SSPs?
- Synergy with space missions
- Complimentary roles of 8m and 4m telescopes
- Collaborative programs yield higher scientific impact
- Need to reach broader communities

Communication

- slack
- build interest first, science driven meetings (w/ specific science topic)
- roadshows
- annual scientific meetings
- communication leaders

Steps Forward

- Discussion / negotiation will continue
 - community should be well informed / be able to input
- Science based mini-workshops?
- Visitor programs / student exchange?
- Funding:
 - JSPS/NAOJ/Subaru
 - Funding opportunities in partner candidate countries?