Partnership & Community Strategic Plans

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MSE Partnership Model

• Andrew Hopkins (MG Chair) outlined the current plans for the MSE partnership model
  • Work in progress: feedback/thoughts are welcome!
  • Particularly from potential future partners
  • We’ve heard some of those already

• Let us know when your institution is ready to join MSE!
• Science activities will proceed in step with project development
• Important to keep Science Team engaged throughout the process
• Will be seeking input/feedback/advice through the SWGs
• Pose more specific questions than what we have asked for in this meeting
  • H band, resolutions, etc.
Current idea is to lay out the observations that MSE will make in the first five years of operations

- Completing the science surveys detailed in the Detailed Science Case

- This will be the main activity of the Project Scientist (with lots of input from the Science Team!) for the next few months

- I hope to engage with many of you through the Science Working Groups throughout this process

- Initial discussions have happened at this meeting, and have been very useful!
Summary of actions from WG reports

• Some WGs working to answer specific questions
  • SWG2: high resolution mode simulations; need this in a few months
  • SWG7: wants many more fibers!
  • SWG4: Increase fiber packing, larger field of view
• Planned cosmology survey can have significant overlap with AGN/extragalactic surveys
• Important to consider phasing observations: stars/galaxies, bright/dark time
• Coordination of Astro2020 white papers
Other feedback

- Science platform: need a plan for development from the Project Office
  - Also software crowdsourcing/collaborations
- Planning for next generation instrument possibilities/upgrades
  - We already have an IFU mode upgrade path
  - Others have been discussed: different resolutions/wavelengths, additional fibers, Fabry-Perot, circular/octagonal fibers
- Careful consideration of the current instrument design
- Need to prioritize current instrument capabilities
International support for MSE

• Strategic planning exercises are underway for many MSE partner countries
  • French Prospective is well underway
  • Canadian Long Range Plan has begun
  • Australian Mid Term Review

• In the US:
  • Astro2020 Decadal Survey
  • Deadline March 11
  • Will submit MSE facility WP in May
Astro2020 coordination

• I will send an email later today with a link to a google doc for us to communicate plans

• NOAO has set up a hub: https://www.noao.edu/astro2020hub/

• More Astro2020 white paper coordination sites:
  • Please visit these sites and consider posting your topics there as well in order to reach a wider audience.
  
  • AstroSlack2020: Decadal Survey discussion, including all areas of research.
  • NRAO's Astro2020 Science White Paper coordination: Includes research topics in all areas, not limited to radio/millimeter astronomy.
  • NASA Exoplanet Exploration Program Analysis Group (ExoPAG) white paper coordination: Focus on extrasolar planets and star/planet formation.
  • White paper endorsements for Cosmology and Fundamental Physics
Join the Science Team!

- Send an email to mseinfo@mse.cfht.edu or marshall@mse.cfht.edu
Thanks for a great meeting!