Welcome to the

Gemini Science Meeting 2012

Markus Kissler-Patig
Thank you for making Gemini a world-class facility:

Doug Simons
Fred Chaffee
Nancy Levenson
The challenge for 2012-2015:

Transit to a sustainable operation model, given the reduced budget after the UK leaves the partnership

The challenge for 2016+:

Keep Gemini at the forefront of 8m-class telescopes
Offer the optimal observatory to its users
The Decade ahead


After about a decade of discoveries, we are slowly entering decade of synergies
How to remain competitive?

No monopoly, so be nimble and swifter than the competition

- Cover a broad parameter space with facility instruments
- Be flexible in the operations
- Allow for ambitious long/large programs
Instrumentation
Future instrumentation:

**Tactical vs Strategic** approach

**Tactical**: react to a science case; short schedule

⇒ *visitor instruments*

**Strategic**: build a *complement of facility class* instruments to cover parameter space
We encourage you to think about deploying “tactical” visitor instruments
The observatory can operate 4+1 instruments per telescope

and provide 1 new instrument/AO system every ~2 yrs; (replace all every 20 years) with an average procurement duration of ~6 yrs
North: Altair
   GMOS-N
   GNIRS
   NIFS
   NIRI

2019+ Upgrade

South: Canopus
   GMOS-S
   GSAOI
   GPI
   Flamingos-2

2017+ GHOS

2019+ GIROS
Sessions with the recently formed Gemini STAC

Wednesday 16:45 - long-range planning

Thursday 10:20 - next instrument GIROS

Thursday 11:00 - AO for Gemini-N
Operations
Flexibility

- Long/Large programs
- Peer vs TAC review - floating scheduling
- Base facility operations - remote operations
- Visitors (Classical and Queue)
Data reduction: sharing expertise

Director discretionary time
User’s Meeting

Wednesday 13:45
Looking forward to an exciting meeting!