Welcome!

Suzanne Ramsay (ESO)

ELT Instrumentation Project Manager

Planets & Stars

- How do planetary systems form?
- How common are systems like ours?
- What atmospheres do planets have?
- Are there other Earths?
- Can we detect signs of life?

Stars & Galaxies

- How do galaxies assemble and evolve across time?
- When did the first galaxies form?
- Did they re-ionise the Universe? If so, when?

Galaxies & Cosmology

- What is the expansion history of the Universe from the Big Bang until the present day?
- What is the nature of dark matter and dark energy?
Adaptive optics+RTC: the key to delivering ELT science
The European Extremely Large Telescope
ELT Construction instruments
MICADO, MORFEO, HARMONI, METIS
in final design and manufacture

Armazones Prog.
instruments
MOSAIC, ANDES
in conceptual design
Thank you!

SOC:
Roberto Biasi, Italo Foppiani, Damien Gratadour, Bogdan Jeram, Martin Kulas, Tim J. Morris, Arnaud Sevin, Malcolm Smith, Marcos Suárez Valles

LOC:
Bogdan Jeram (chair), Marcos Suárez Valles, Miska Le Louarn, Martine Peltzer