Questions, Comments and Answers following the presentation

The Paranal Instrumentation Program
Luca Pasquini

Roth: Comment: I support your statement on the growing importance of astrometry for adaptive optics. In particular from the point of view of resolved stellar population work, e.g. with MUSE.

Modigliani: Why SOXS? why do you need an X-shooter duplicate at La Silla?

The selection was based on the evaluation of the proposal received answering to a call for ideas for La Silla instruments. The strategic view is to devote the 3.6m mainly to planet search and characterization with NIRPS and HARPS, and the NTT to the study of transients / variable objects.

Osip:
(1) you stated that E-ELT will not have optical AO. Is this a fundamental restriction? is it technically precluded? or this is a decision?
(2) You began stating that to add an instrument you have to remove one. At Magellan, our community has struggled with this issue. How has your community overcome?

1) It is technically precluded at present: technology is not mature: The feasibility of reaching optical AO in a ELT is beyond the horizon of the first and second generation instruments.
2) Not really. We had already several examples (NACO, FLAMES, later VIMOS) and we always had strong reactions from the community. What we are trying to do, however, is to decommissioning instruments when (or close to) new instruments with similar (better) characteristics are installed. ERIS will be commissioned shortly after NACO is decommissioned, MOONS after VIMOS.

Szentgyorgyi: How far in the optical do you envision implementing AO?

The requirements are 'as blue as possible'; minimum we will aim at the V band

How do you plan to implement wavefront sensing for optical AO?

Not yet discussed from which band the photons will be taken; there will be a phase A in which a concept will be developed.