List of actions and conclusion

Science sessions

- Main science case:
  - Transformational science: nearest Solar system analogs with habitable planets
  - Other terrestrial mass planets will be discovered and characterized but around other type of stars, at different orbits, or far away
  - Emphasize that orbit ephemeris and mass are valuable for subsequent spectroscopy detection.
  - Complete Radial Velocity parameter space toward longer period
- Planet formation:
  - define observables that will be able to decide between models but statistics & large uncertainty on theory?
  - importance of solar system analogs and telluric planets
  - use of stability studies to sharpen the search area
  - importance of multi-planets system, no coplanar orbits, correlations
  - Kepler findings valid in the solar neighborhood ?
- Need for simulation of signal from multiple planets, data reduction

Other science cases

- Diversity of exoplanets
  - many cases that cannot be investigated by RV,transit and/or imaging: A stars, evolved stars, young stars, debris disks
  - It will bring new information for the exoplanet community
- Other science cases:
  - high energy astrophysics: compact binaries, test of GR
  - solar system objects maybe interesting?
  - young stellar cluster: what is new compared to GAIA?

Instrument

- Lots of discussion: scaling, FF vs deployable mast, detectors
- ....but not really on the overall concept

- LAB DEMO is necessary
- set up a definition team at least for the payload
- phase 0 study (support from CNES?)
- to prepare for a proposal...

Other topics

- Double blind test study:
  - useful to convince people
  - how detailed should be the simulation?

- Precursors, prototypes?

- core team, science team, definition team,..