1. Parallax Offset (gravitational aberration, quality of focal plane calibration, bam variation)
2. Angular covariance (asteroseismology)
3. Synthetic photometry - standard photometry for bright sources
4. Gaia processing for a subset of stars (standard candles) 🡨 recommendation to DPAC
5. Refine theoretical models for distances in order to bridge them with definition in cosmology
6. Empirical estimations of parallax offset
7. Variable sources:

-Variation in the extinction law and effects on adopted PW relations

1. X-calibrating consistency between different distance indicators within the Local Group, using Gaia photometry
2. X-calibration Cepheids in LMC, SMC, M31, M33 using Gaia and HST data

**Recommendations for DPAC**

List of local hosts and see what is feasible/reached with Gaia

**Star Clusters (OCs, GCs)**  Cepheids, RRLs, TRGB (for some), EBs

**LMC and SMC** Cepheids, RRLs, TRGB, LPVs, J-AGB, EBs, …

dSphs (some)

M31(?)

**Roadmap to Ho**

1. Refine distances and RV measurements in the contest of general relativistic model of Gaia and quantify the possible uncertainty in terms of distance modulus

or effect on Ho

1. Extinction law, possible variation of the R\_lambda and impact on distances based on PWZ relations
2. Coefficient of the metallicity term of the PWZ relations in different bands
3. Type Ia SNe