



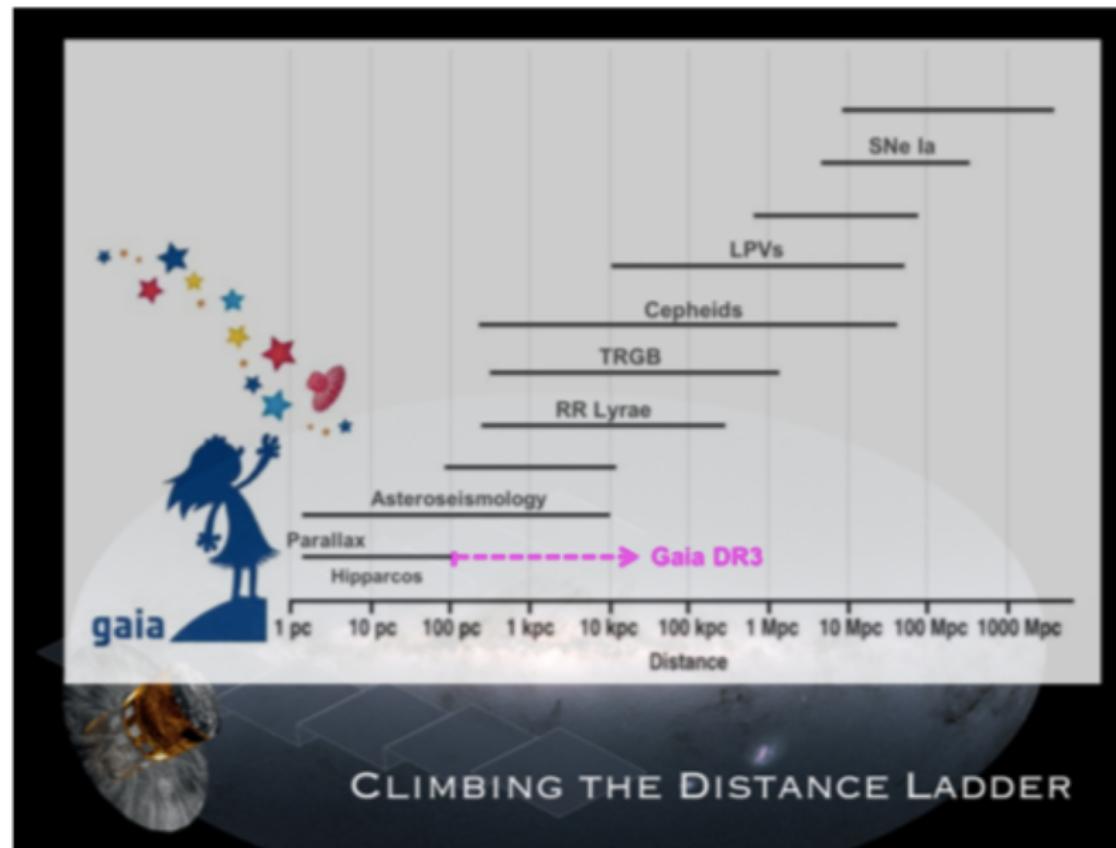
gaia



jwst

ISSI International Team in Space and Earth Sciences 2020

## SHoT: the Stellar path to the $H_0$ Tension in the Gaia, TESS, LSST and JWST era



Telecon – March 4, 2021 – G. Clementini

## **Agenda**

1. Welcome and introduction
2. News from ISSI
3. Short talks by G. De Somma, S. Khan, L. Breuval, M. Trabucchi
4. AOB:  
``team members' perspective on the parallax offset corrections described in Lindegren's arxiv 2012.01742''  
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## **Agenda**

### 1. Welcome and introduction

We should be 11 team members attending this telecon and we are pleased to host :

**Giulia Di Somma**, PhD, Univ. Federico II, Naples - M. Marconi supervisor

**Saniya Khan**, PhD, Birmingham Univ. - A. Miglio supervisor

**Louise Breuval**, PhD, LESIA, Observatoire de Paris - P. Kervella supervisor

**Michele Trabucchi**, Postdoc, Geneve Univ.

**Marco Bruni**, Professor, University of Portsmouth

## Team Members

1. **R. Anderson** (Cepheids, distance scale, radial velocities – LASTRO, EPFL, Lausanne, Switzerland)
2. **S. Casertano** (Distance scale, Cosmology, JWST – STSci, Baltimore, MD, US)
3. **G. Clementini (Team Leader)**, Pulsating variable stars, distance scale, Gaia, LSST/VRO – INAF – OASBO, Italy)
4. **M. Crosta** (Relativistic astrometry, Local Cosmology, Gaia – INAF- OATO, Italy)
5. **L. Girardi** (Stellar models, population models of variable stars, TRGB, LSST/VRO – INAF - OAPD, Italy)
6. **M. Groenewegen** (LPVs, Cepheids, TRGB – Koninklijke Sterrenwacht van België, Brussel, Belgium)
7. **L. Macri** (Cepheids, distance scale – Texas A&M University, College Station, TX, US)
8. **M. Marconi** (Pulsation models, distance scale, Gaia, LSST/VRO – INAF - OACN, Italy)
9. **A. Miglio** (Asteroseismology: modelling – School of Physics and Astronomy, University of Birmingham, UK)
10. **B. Mosser** (Asteroseismology: TESS / K2 data analysis – Observatoire de Paris, LESIA, Meudon, France)
11. **J. Mould** (TRGB, SNe Ia – Centre for Astrophysics & Supercomputing, Swinburne University, Hawthorn, Australia)
12. **A. Riess** (Distance scale, Cosmology, JWST – STSci, Baltimore, MD, US)

## **Agenda**

### 2. News from ISSI

ISSI decided to extend the team budgets by one year.

If we wish we can reschedule our May 3-7, 2021 team meeting in Bern.

## **Agenda**

3. Short talks by G. De Somma, S. Khan, L. Breuval & M. Trabucchi

**Giulia De Somma:** "Pulsation theory versus Gaia EDR3: preliminary results"

**Saniya Khan:** "Update on the comparison between asteroseismic and Gaia's parallaxes in the Kepler, K2, and TESS fields"

**Louise Breuval:** "Improving the calibration of the Leavitt law with Gaia"

**Michele Trabucchi:** "Theoretical PL relations for Mira variables"

## **Agenda**

### 4. AOB:

``team members' perspective on the Gaia parallax offset corrections described in Lindegren's arxiv 2012.01742''

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