



MW-Gaia: Revealing the Milky Way with Gaia



WG5 Hybrid Workshop “Breaking Barriers:
Inspiring the Next Generation”, Santiago de
Compostela

Nicholas Walton
(MW-Gaia COST Action Chair)
(Institute of Astronomy, University of Cambridge)

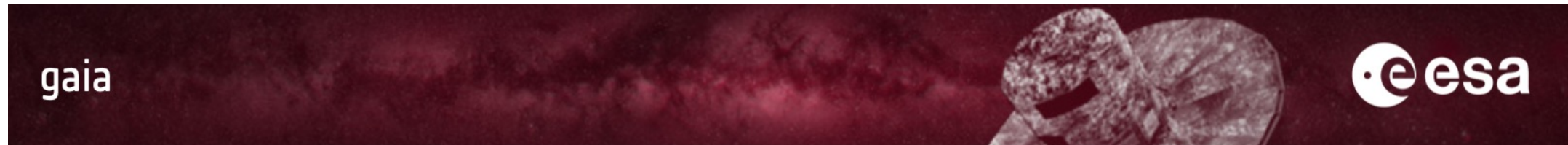


Nic Walton - BreakingBarriers - MW-Gaia @ Santiago de



Welcome to Breaking Barriers!

On the eve of the next step forward with Gaia



Gaia Data Release 3 will be published on 13 June 2022

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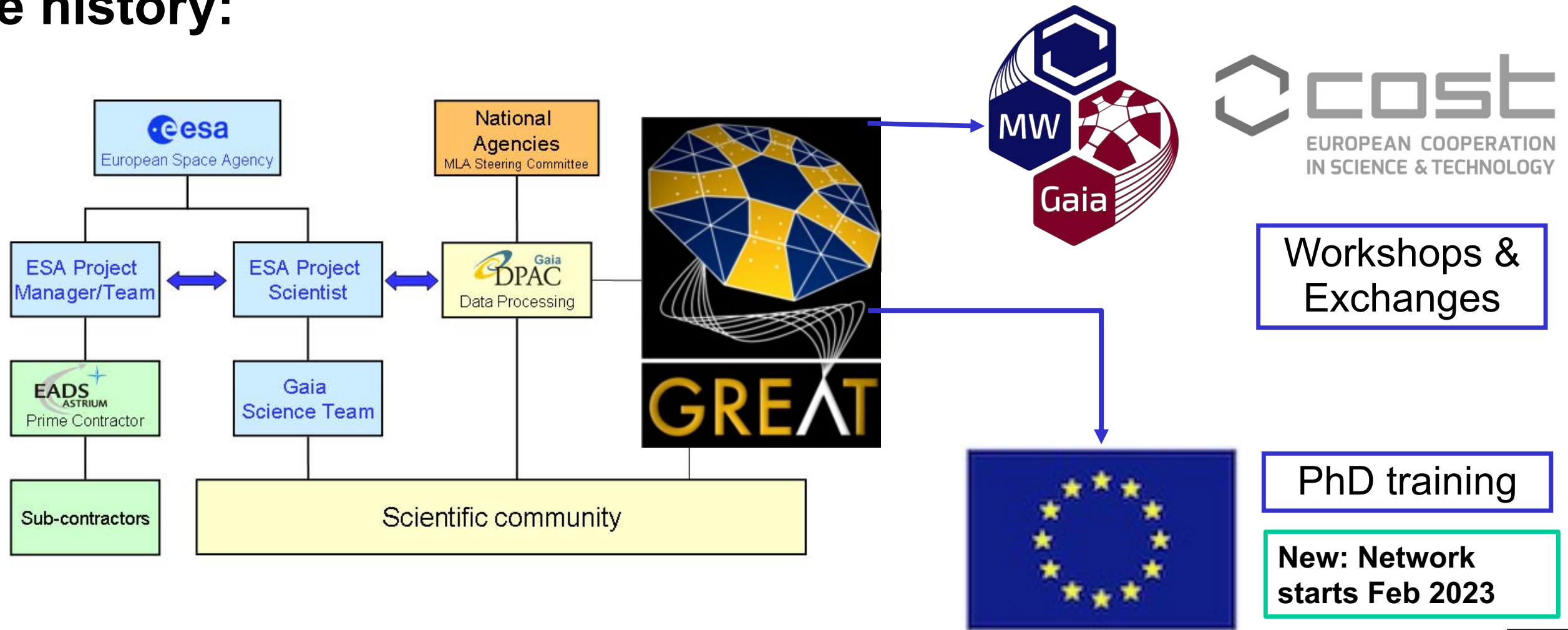
In addition to astrometry and broad-band photometry from Gaia EDR3 revealing spectra - classifications - non single stars - asteroids - galaxies - variability - astrophysical parameters - extinction - interstellar medium - radial velocities - lightcurves - more



GREAT 2019-2027

See <http://www.mw-gaia.org> and <http://www.great-esf.eu>

Some history:



GREAT Plenaries

Next: <http://great.ast.cam.ac.uk/Greatwiki/GreatMeet-PM15>

- GREAT has held plenary meetings since 2009 (at EAS from 2012)

Next GREAT plenary will be held at the EAS Annual Meeting 2022

Programme:

Gaia DR3: Highlight Science including presentations from the Gaia DR3 performance verification paper teams

Gaia / GREAT/MW-Gaia / Gaia Unlimited Status

Gaia EDR3/DR3: Highlight Science (The Milky Way as a Galaxy)

Gaia EDR3/DR3: Highlight Science (The Birth, Life and Death of Stars)

Gaia EDR3/DR3: Highlight Science (from Solar system to reference frames)

Gaia networking and ground based synergies with Gaia

Lunch session with an update on the Gaia Archive, and update on the ESA Voyage 2050 L mission concept (GaiaNIR), and also an opportunity for poster presenters to deliver a 'lightening' talk of their (e-)poster.

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EAS 2022

Welcome & News

About

Organisers

FAQ

Travel & Covid

Venue

Registration

Abstract Submission

Programme

Plenary Talks

Social Events

Public lecture

Fee waivers and/or grants

Accommodation

Welcome to EAS 2022 !

European Astronomical Society Annual Meeting

27 June – 1 July 2022
Valencia Conference Centre
Valencia, Spain

Important dates:

Astro Run registration : 12 June 2022
Regular registration deadline : 26 June 2022

News

2022-May-19: Updated programme page, changing LS10 to SS40

Symposium (incl. Lunch) S12

Register by 26 June 2022 27-28 June 2022

Gaia: The (TWO) Billion Star Galaxy Census: The Dawn of Gaia DR3



23 May 2022

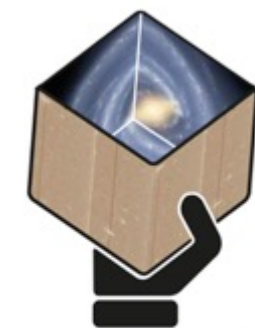
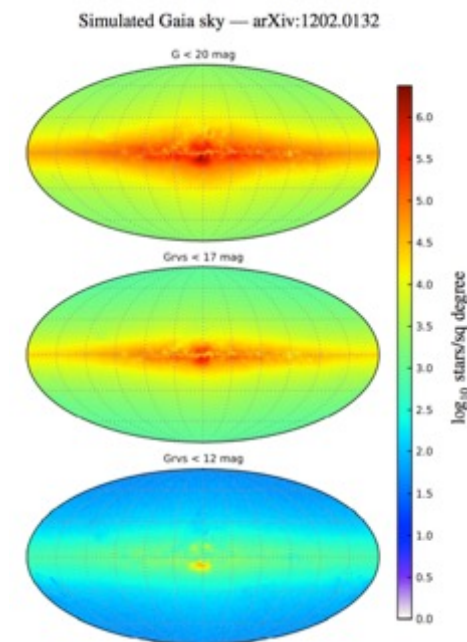
Nic Walton - B

https://eas.unige.ch/EAS_meeting/session.jsp?id=S12

GREAT Community Input:

Looking ahead: Requirements for Gaia Data DR3+ Access

- Gaia Data Archive system has recently been upgraded to support Gaia EDR3
- GREAT provides a forum to gather science user input to the requirements for Gaia DR3+
- Requirements captured via the GREAT wiki
<http://great.ast.cam.ac.uk/Greatwiki/GaiaDataAccess>
 - Use cases collected for Gaia-DR1/2: Brown et al (see http://www.rssd.esa.int/doc_fetch.php?id=3125400)

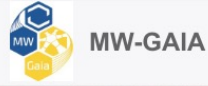


Delivering
the Promise
of Gaia

**Your chance to suggest additional functionality
for implementation with Gaia-DR3+**



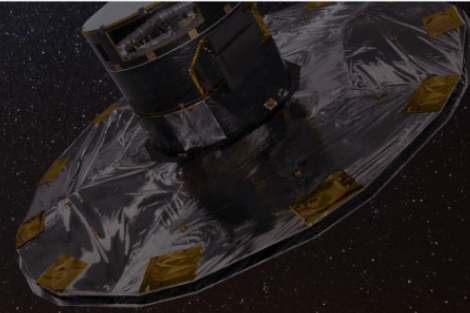
MW-Gaia: <http://www.mw-gaia.org>



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MW-Gaia

Revealing the Milky Way with Gaia



Welcome to MW-Gaia

MW-GAIA will provide European leadership in understanding the Galaxy, its stars and planets, enhance the potential of the community in its scientific exploitation of the observations of more than a billion stars with the European Space Agency's Gaia satellite, and enhance the development of the next steps in astrometry and space astrometry missions.

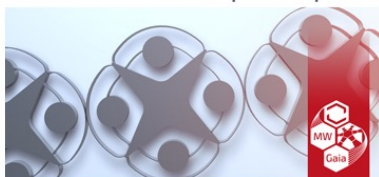
The Action brings together key stakeholders from across Europe, to leverage expertise, and develop new techniques to fully maximise the scientific returns from Gaia's rich and complex data.

Five key challenges are addressed: The Milky Way as a Galaxy, The Life and Death of Stars; Planetary Systems Near and Far; Gaia Fundamentals: Space and Time; and Astrometry Innovation Challenge – towards sub- μ as astrometry. COST enables the vital Action activities, supporting exchanges, training and meetings.

The Action will have a significant legacy, creating a dynamic and vibrant network of researchers with expertise in the study of the Milky Way, its constituents and the art of Astrometry. Participation is inclusive, with researchers accessing the Network from across Europe, irrespective of their gender or location.

This COST Action commenced 14 Mar 2019 and will complete 13 Mar 2023 (although with the possibility of an extension)

participate



WG3 School: Exoplanets and astrostatistical analysis techniques

05.05.2022 Filed in: [Participate](#)

The WG3 school will be in person, and will be held 12 - 16, September 2022

Deadline for pre-registration: 15 June 2022

[Read More ...](#)

Social Media



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- The MW-Gaia COST Action has participants from 29 COST countries and participation from groups in Armenia, Canada, China, Lebanon, South Africa, Ukraine, USA
- Scientists in these COST countries can be supported to attend MW-Gaia events
- Check the website for details

ngvBarriers - MW-Gaia @ Santiago de Compostela

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MW:Gaia: Working Groups

MW-Gaia is organised into five working groups (WG):

- [WG1: The Milky Way as a Galaxy:](#)
- [WG2: The Life and Death of Stars:](#)
- [WG3: Planetary Systems Near and Far:](#)
- [WG4: Gaia Fundamentals: Space and Time:](#)
- [WG5: Impact, Inclusiveness and Outreach:](#)

Each WG has an organizer, with participants able to signup to the WG mailing list

Each WG is responsible for organizing workshops and training events in its topic area → **get involved, sign up to the mailing lists**



MW:Gaia: Working Group Leads

Action Chair: Nicholas Walton (Cambridge: UK)

Action vice-Chair: Carme Jordi (Barcelona: ES)

WG1 Lead: Despina Hatzidimitriou (Athens: GR)

WG2 Lead: Gisella Clementini (Bologna: IT)

WG3 Lead: Joris De Ridder (Leuven: BE)

WG4 Lead: Sonia Anton (Aveiro: PT)

WG5 Lead: Šarūnas Mikolaitis (Vilnius: LT)

Exchange Visit (STSM) Coordinator: Karri Muinonen (Helsinki: FI)

Country Inclusion Coordinator (TA): Ivanka Stateva (Sofia: BG)

Science Communications (SCM): Anthony Brown (Leiden: NL)

Inclusion and Training (ITM): Corinne Charbonnel (Geneva: CH)



MW-Gaia: WG5

Public Engagement

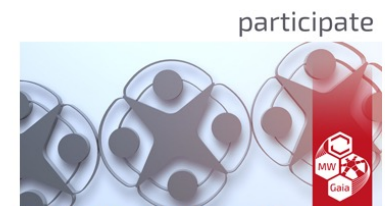
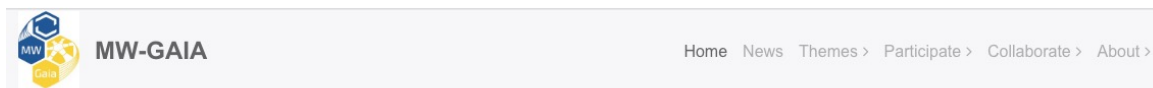
Objective: Develop and implement the Action Research Coordination Framework plans, Training Plan, Impact and Inclusion Plan, Outreach and Dissemination Plan. Organise interaction with industry, with schools. Deliver the final Action deliverables and closing conference.

Tasks: **WGT5a:** Deliver Action Impact, primarily through the generation of a science roadmap/case for sub- μ s astrometry in delivering the next advances in our understanding of the Milky Way. This key Action task is directly under the leadership of the Action Core Group. **WGT5b:** Ensure the effective implementation of inclusiveness policies (e.g. location, gender, age) and the Action Inclusion and Impact plan. **WG5Tc:** Coordination of the Action outreach and dissemination activities. This will include developing and implementing the Dissemination plan. **WGT5d:** Training for the next generation of astrometry experts, with a priority focus on including ECIs from ITCs in training activities.





MW-Gaia: <http://www.mw-gaia.org>



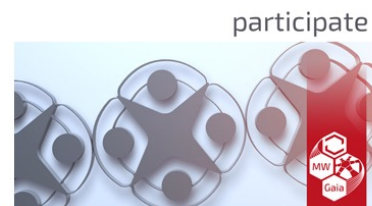
WG5 Workshop: Breaking Barriers: Inspiring the Next Generation

04.03.2022 Filed in: [Participate](#)
The WG5 workshop will be hybrid, and will be held May 23 - 25, 2022

Deadline for abstracts: 25 March 2022

Deadline for on-site participation registration: 31 March 2022

[Read More ...](#)



WG3 Workshop: Fundamental stellar parameters from asteroseismology in the era of Gaia

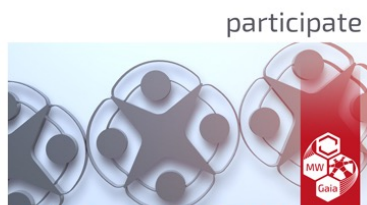
01.02.2022 Filed in: [Participate](#)
The WG3 workshop will take place in-person: 13-15 June 2022.

Deadline for registration: 13 March 2022

[Read More ...](#)

Month Posted

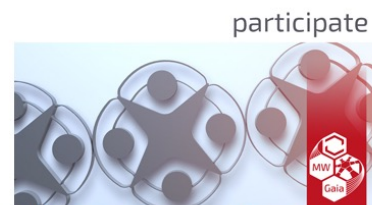
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MW-Gaia / GREAT / Gaia Symposium (S12) at EAS 2022

25.02.2021 Filed in: [Participate](#)
REGISTER NOW

Gaia: The (TWO) Billion Star Galaxy Census:
The Dawn of Gaia DR3 will take place in Valencia, ES, hosted at the EAS 2022 meeting 2022, 27-28 Jun 2021



MW-Gaia Grant Period 3 Open

02.01.2022 Filed in: [Participate](#)
The third grant period list of activities for MW-Gaia has now been published. These cover activities until 31 Oct 2022. There are a range of workshops and a school planned - hopefully these will be face to face meetings - although all will have the opportunity to participate remotely as well. In addition the exchange visit programme call is now open (see the [STOM page](#)) together with the opportunity for these

- The MW-Gaia COST Action continues to March 2023
 - Extension through to Sep 2023
 - Possible additional year to Sep 24
- Check the website for details of network activities
- Workshops at <https://www.mw-gaia.org/participate/workshops/>
- UK participation now assured as UK is now a full COST member



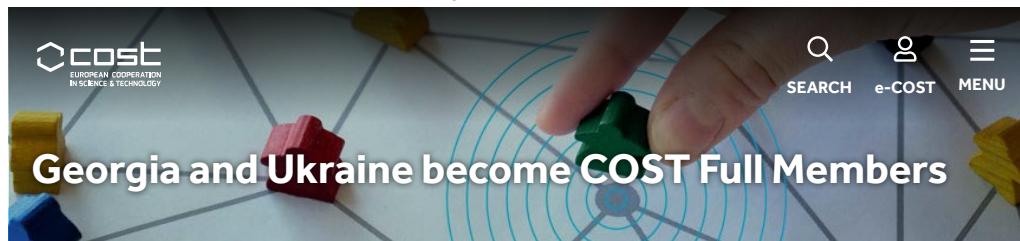


MW-Gaia: Exchange Visits

Short Term Science Missions (STSM) in “COST speak”

- STSMs provide funding for (primarily) early career investigators to visit another institution to carry out collaborative research
- Details of the procedure available at: <https://www.mw-gaia.org/participate/stsm-visits/>
 - All exchange visits for MW-Gaia Year 3 to complete by 30 Sep 2022
 - Applications now accepted at any time and reviewed at end of each month:
- Exchange visit idea originating at MW-Gaia workshops (such as this one!) will be viewed positively at the application evaluation stage.

ITC Conference grants provide support to those from ITC countries to attend conferences – see <https://www.mw-gaia.org/participate/itc-grants/> for details



[Home](#) > [News](#) > Georgia and Ukraine become COST Full Members

31/03/2022

The Committee of Senior Officials (CSO), the General Assembly of the COST Association, has accepted Georgia and Ukraine as its latest members.



On 30-31 March 2022, representatives of the COST Members met under the auspices of the French Presidency of the Council of the EU in Paris. Following a unanimous decision, both Georgia and Ukraine join the COST family which now has [40 Full Members](#).

"The admission of Georgia and Ukraine as COST Full Members underpins the key role of COST in facilitating integration to the European research and innovation landscape. COST aims to foster open and inclusive networks of excellence in all scientific fields, and through their membership Georgian and Ukrainian researchers will be able to take a proactive role in proposals for future COST Actions"

MW-Gaia and Ukraine

- COST has now admitted Ukraine as a COST Full Member
- Researchers based in Ukraine are fully eligible for support via COST
- Within MW-Gaia we welcome participation from our colleagues in Ukraine
- Specifically, I'd like to welcome our colleagues attending this meeting from Kyiv

GREAT/MW-Gaia Plenary 15 @ EAS 2022:
=> register for Gaia Symposium S12 at
https://eas.unige.ch/EAS_meeting/registration.jsp

MW-Gaia: <http://www.mw-gaia.org>

Credit: ESA/Gaia/DPAC

