

Career opportunities after Master in Space Sciences

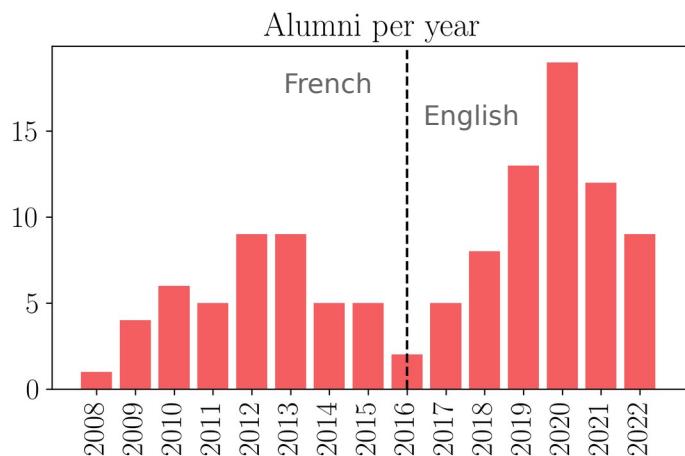
**The former students
tell their journey**

The intermediate step between education and employment



112

former students finished the master in Space Sciences



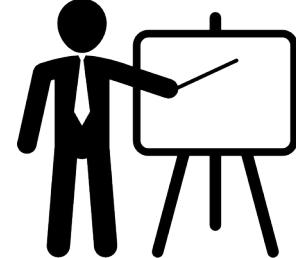
51

of them **answered** the survey about their **journey after the master in Space Sciences**

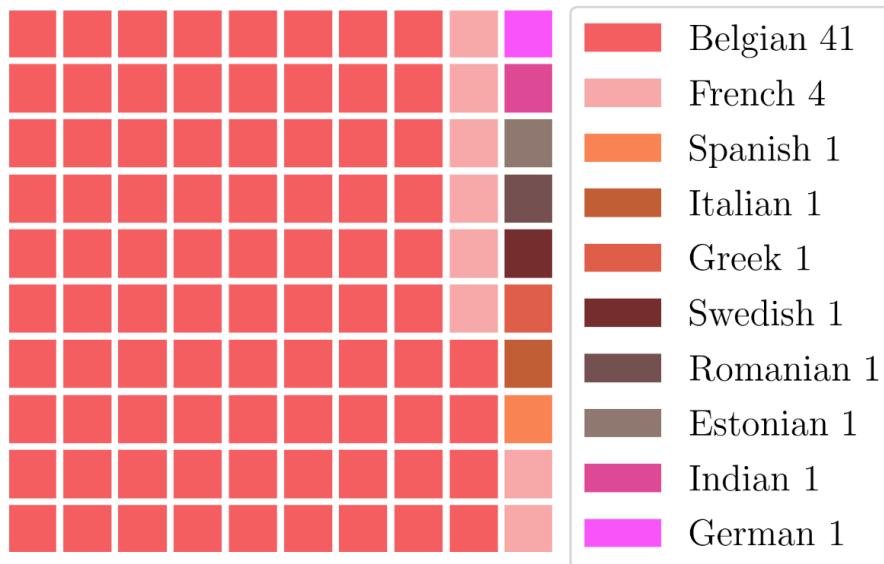
Statistics on what
they have
become



7 former students
present their own
journey

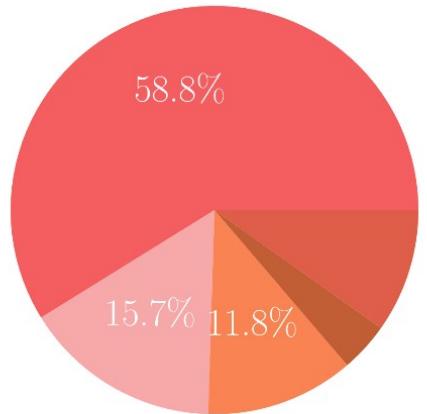


Where do people come from ?



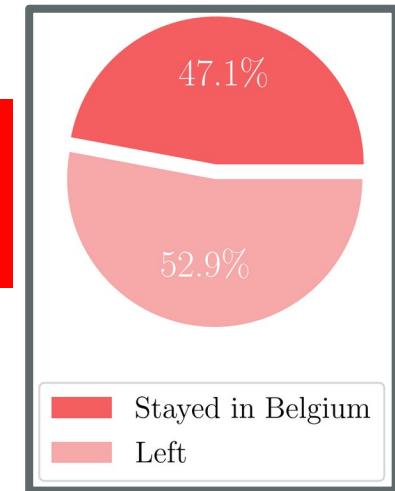
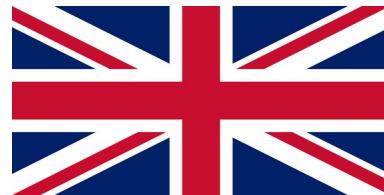
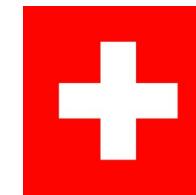
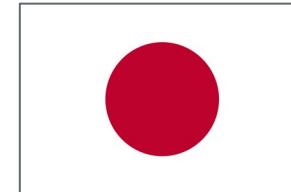
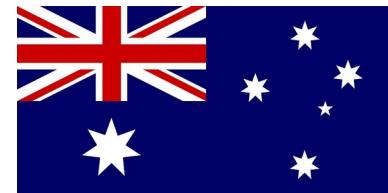
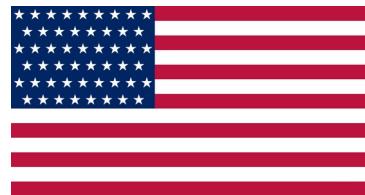
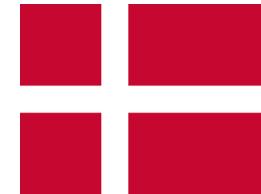
Finding jobs

~60% of former students found their first job before the end of their master



- I already found a position during the Master
- 3 months after graduation
- 6 months after graduation
- More than a year
- Other

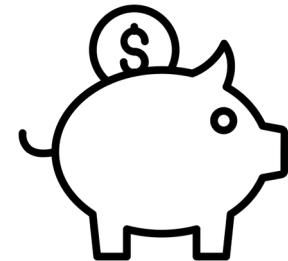
Where they went



Notable outcomes



Successful science
outreach



aerospacelab





Adrien Houge

Graduation year: 2020

PhD at the University of Exeter, UK (2020 - ...)
Visitor studentship at ESO (2022-2023)

- **Pros:** Discovery, Networking, Funding, Skills
- **Cons:** Language, Distance & friends, Culture

mismatch

- Already during your Master - Erasmus, ESO
- During your PhD too - ESO studentship

Leaving Belgium for
science

Thomas Michel

Graduation year: 2020

PhD student - Assistant in physics
department (Liège)

Teaching at the same time as
doing a PhD

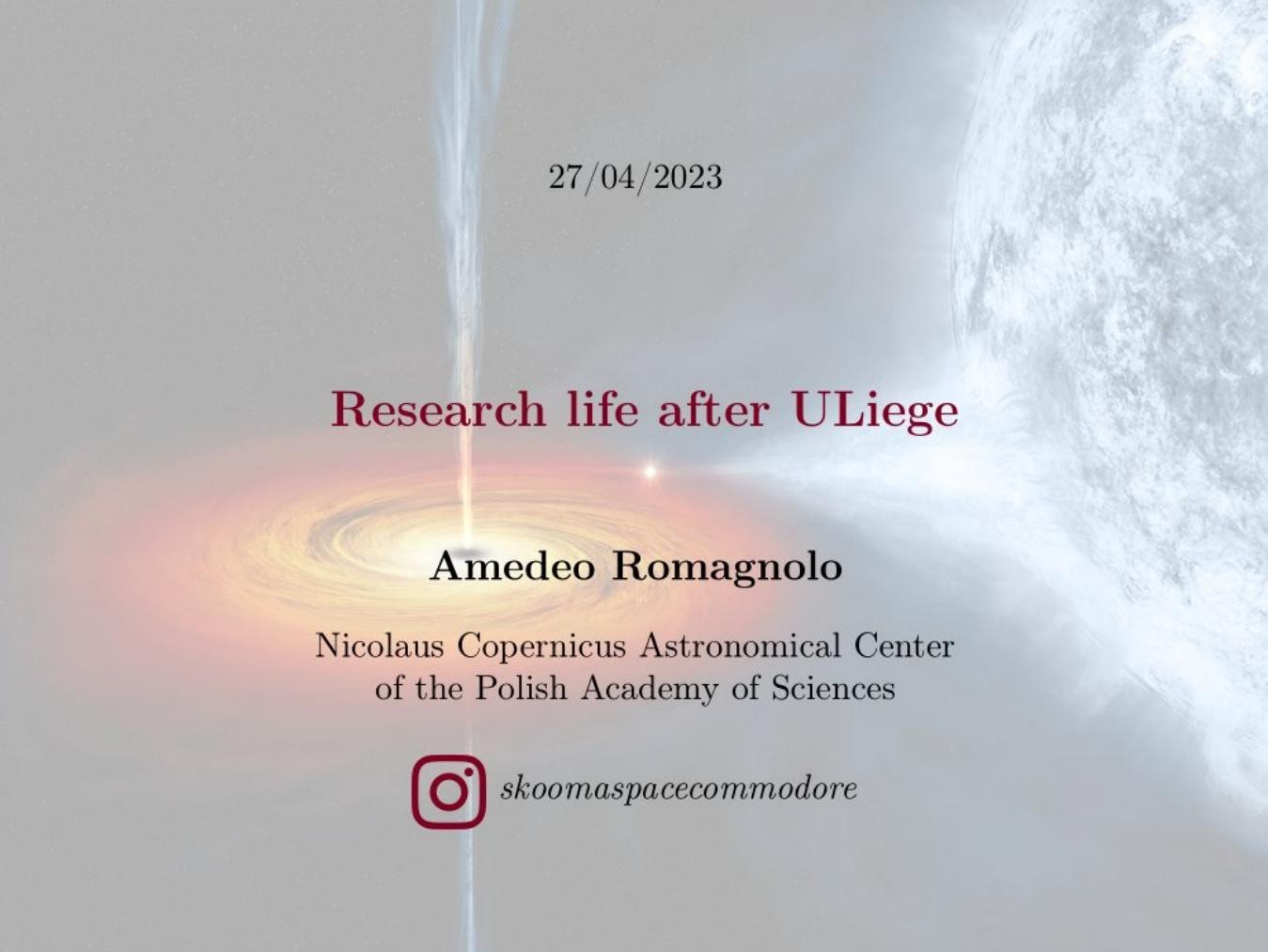


Amedeo Romagnolo

Graduation year: 2019

PhD in Poland

PhD when your
supervisor is
problematic



27/04/2023

Research life after ULiege

Amedeo Romagnolo

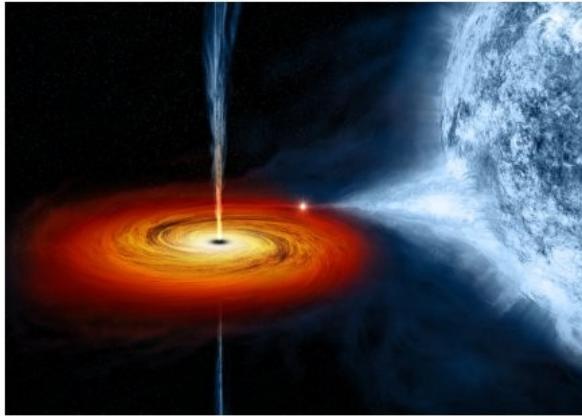
Nicolaus Copernicus Astronomical Center
of the Polish Academy of Sciences



skoomaspacecommodore

My Research

You can diversify!!

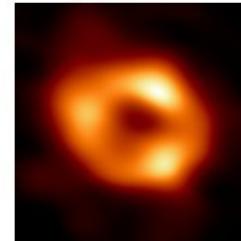


Before my PhD

Part 1 – Unrelated research experience for CV, fun and glory



Max Planck Institute for Extraterrestrial Physics



Before my PhD

Part 2 – COVID time – Working from home



A&A 651, A45 (2021)
<https://doi.org/10.1051/0004-6361/202140561>
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**Astronomy
&
Astrophysics**

A near-infrared interferometric survey of debris-disk stars

VII. The hot-to-warm dust connection*

O. Absil^{1,2,3,4,5,6,7,8,9,10,11}, L. Marion¹, S. Ertei^{2,3}, D. Defrère⁴, G. M. Kennedy⁵, A. Romagnolo⁶, J.-B. Le Bouquin⁷, V. Christiaens⁸, J. Milli⁷, A. Bonsor⁹, J. Olofsson^{10,11}, K. Y. L. Su³, and J.-C. Augereau⁷

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² Large Binocular Telescope Observatory, 933 North Cherry Avenue, Tucson, AZ 85721, USA

³ Steward Observatory, Department of Astronomy, University of Arizona, 993 N. Cherry Ave, Tucson, AZ, 85721, USA

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⁵ Department of Physics, University of Warwick, Gibbet Hill Road, Coventry, CV4 7AL, UK

⁶ Nicolaus Copernicus Astronomical Center, Polish Academy of Sciences, Bartycka 18, 00-716, Warsaw, Poland

⁷ Univ. Grenoble Alpes, CNRS, IPAG, 38000 Grenoble, France

⁸ School of Physics and Astronomy, Monash University, Clayton, Vic 3800, Australia

⁹ Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge CB3 0HA, UK

¹⁰ Instituto de Física y Astronomía, Facultad de Ciencias, Universidad de Valparaíso, Av. Gran Bretaña 1111, Playa Ancha, Valparaíso, Chile

¹¹ Núcleo Milenio Formación Planetaria - NPF, Universidad de Valparaíso, Av. Gran Bretaña 1111, Valparaíso, Chile

Received 15 February 2021 / Accepted 21 April 2021

Opportunities

I hope you can find something interesting here



- ▶ **Erasmus Traineeship** (institutes love when they don't have to pay you)
- ▶ ESA traineeship
- ▶ Royal Observatory of Belgium (I went there!)
- ▶ AAS careers: repository of astro job opportunities for every level

Summer Student Program in Warsaw

- ▶ For EU students
- ▶ From 1/07 to 30/09
- ▶ Plenty of internship opportunities, from theory to instrumentation
- ▶ Free-of-charge accommodation at a student house

UNSW Canberra, Australia

- ▶ Paid internship with flexible dates and possibility of remote working
- ▶ Projects on supernovae, gravitational waves, stellar/binary physics etc.

Just be prepared to what you are looking for

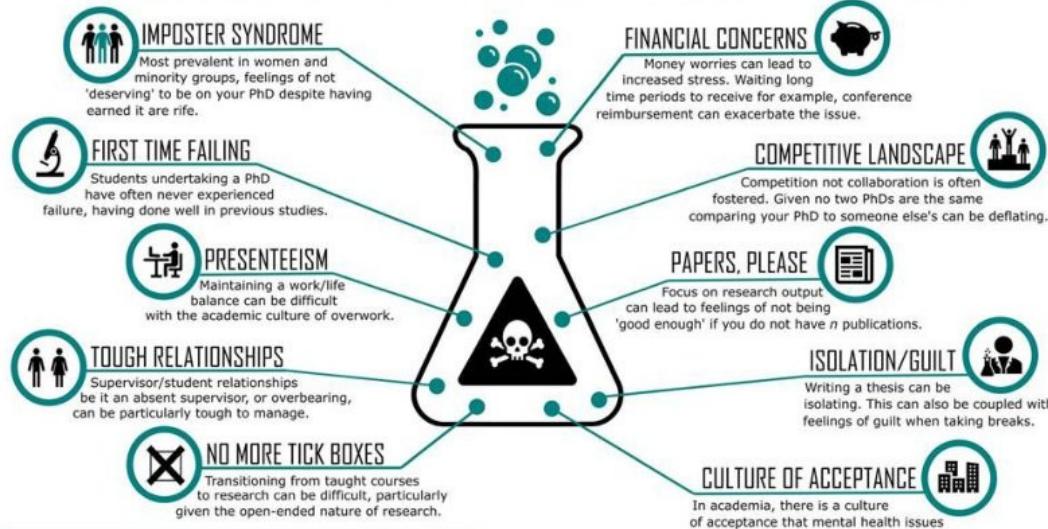
It happens to many



MENTAL HEALTH DURING YOUR PhD THE TOXIC MIX

A study by the University of California, Berkeley, found nearly half of postgraduate students met criteria to classify them as depressed.¹

This poster explores the common stressors that PhD students may be exposed to during their PhD.



SELF-HARMING?
SUICIDAL THOUGHTS?

CALL SAMARITANS NOW ON 116-123

Reference: 1. Graduate Student Happiness & Well-Being Report, 2014, University of California, Berkeley.

Part of the #mentalhealth series by Dr Zoe Ayres (@zjayres). Free to distribute.



In the end, never forget what truly matters



Mari-Liis Aru

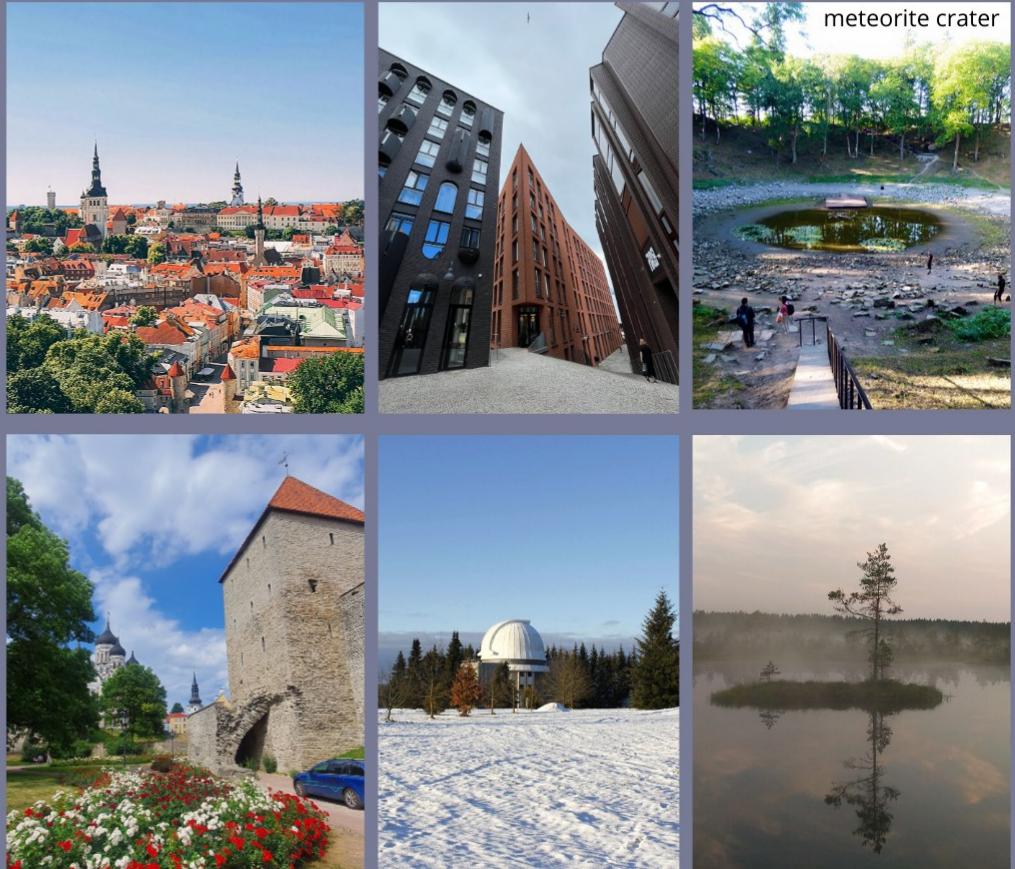
Graduation year: 2019

ESA Young Graduate Trainee -
PhD at ESO (Garching, Germany)

What is the ESA Young
Graduate Trainee
program?



Tere!



My path



Master in Space Sciences,
University of Liège, Belgium



Research job, ESA

YGT programme, 2 years



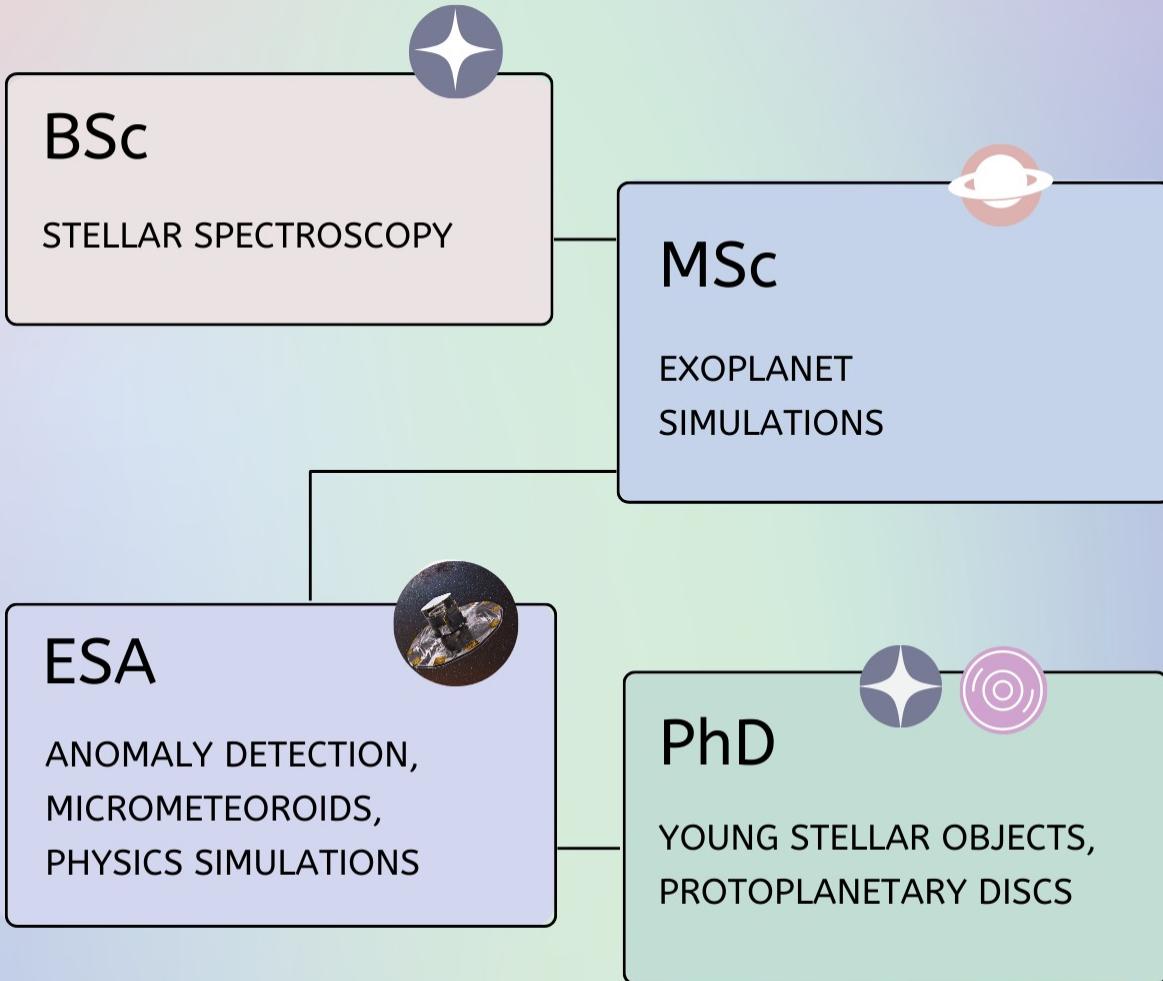
Gap year: time for outreach, hobbies



PhD, ESO

Start: Sept. 2022

My path: domains





Employed full-time
by ESA



Work as an independent researcher but cooperate in a team



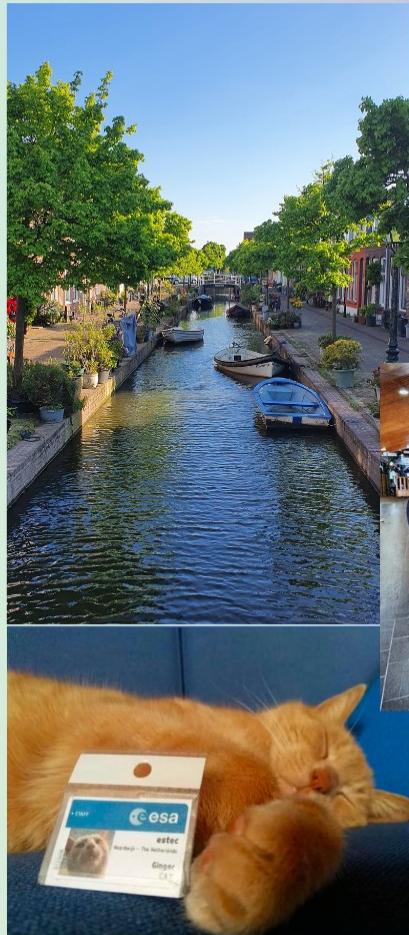
1-2 years



Professional experience



Gaia and Micrometeoroids





European Research Council
Established by the European Commission

Funded by the European Union (ERC, WANDA, 101030452). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Research Council Executive Agency. Neither the European Union nor the granting authority can be held responsible for them.

PhD: WANDA team, PI: Carlo Manara

Winds AND Disk structures near and Afar

ORIGIN OF DISK STRUCTURES

ACCRETION AS A SIGNATURE

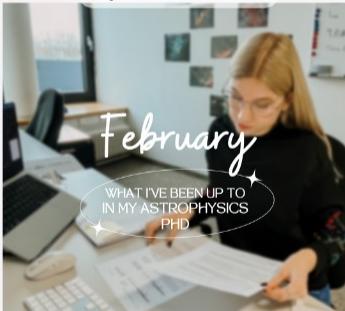
EFFECT OF THE ENVIRONMENT

EXPLORING FAR AWAY REGIONS

Credit: ESO/Kirwan et al.

Externally Photoevaporated Discs
in the Orion Nebula Cluster

Instagram: PhD journey,
space news



TV



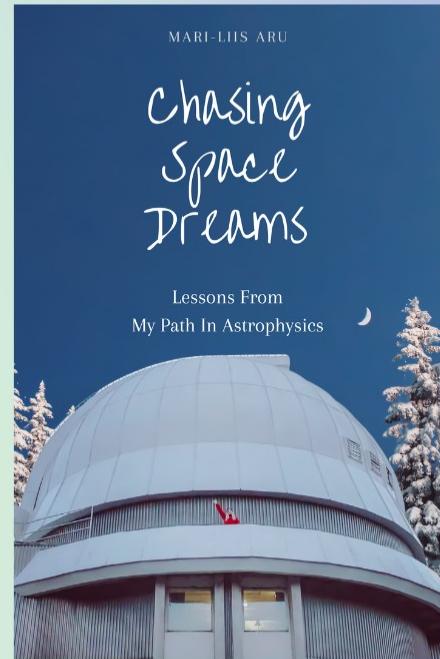
outreach

[MLA_astro](#)

[Newsletter:](#)

KOSMOEST.substack.com
(or see MLARU.com)

ebook about my path
and the lessons learned



Speaker: online seminars



Martin Farnir

Graduation year: 2017

PhD in Liège -
Post-Doc in Coventry (England) -
Post-Doc in Liège

The academic path



Judith Biernaux

Graduation year: 2014

PhD in Liège -
Consulting in Leuven (Belgium) -
Project Manager at AMOS (Liège) -
Research administrative staff (Liège)

What you can become
on the long term



Arnaud Stiepen

Graduation year: 2010

PhD in Liège -
Post-docs (US, Belgium) -
Science and math teacher -
And many other things such as
writer, TV presenter, outreach speaker and youtuber

What you can become
on the long term

You have questions ?

Go ask the former students around &