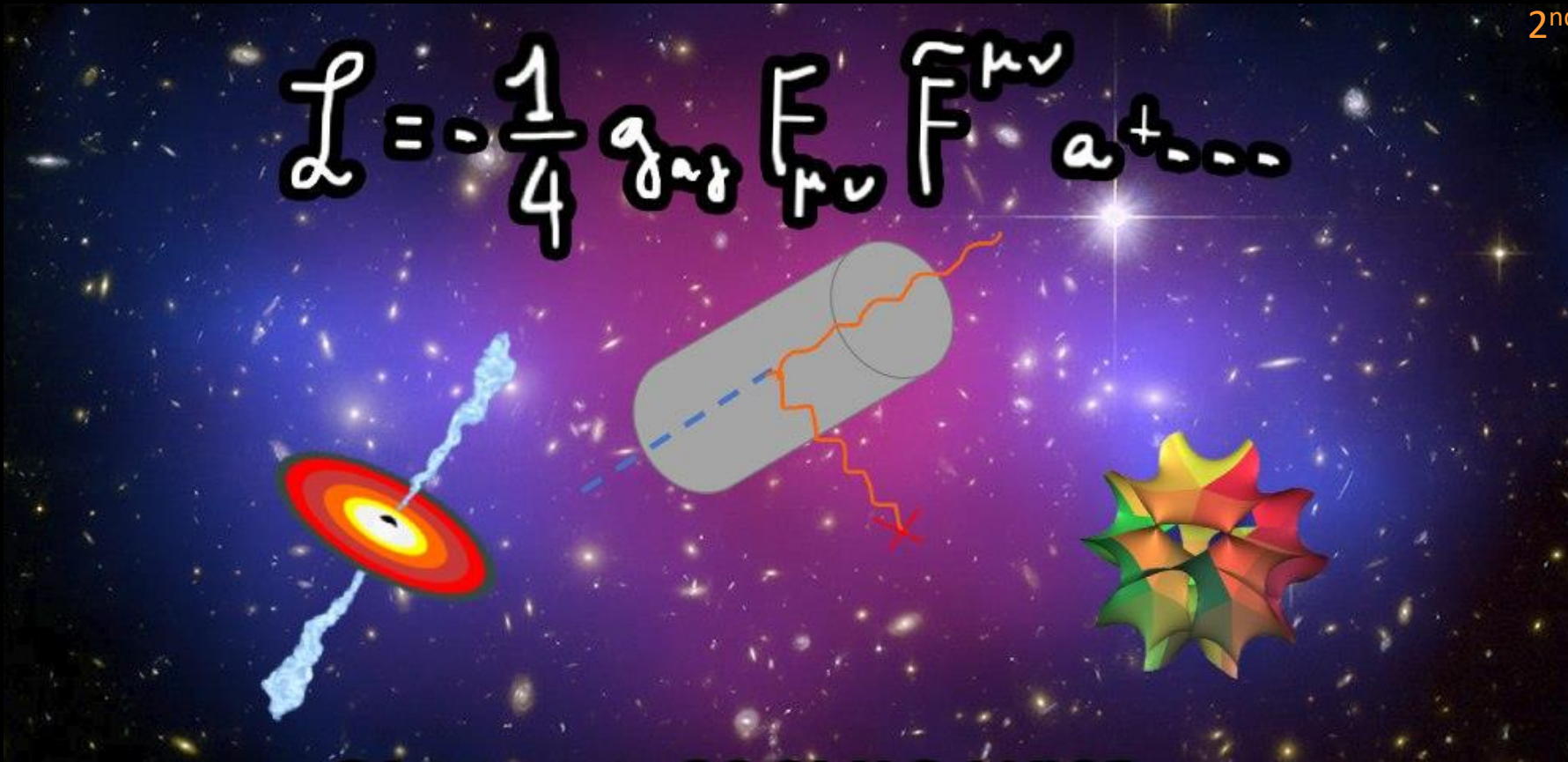
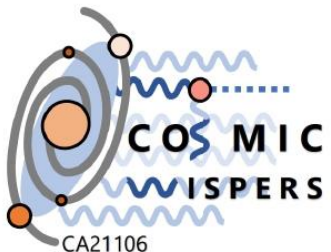


$$\mathcal{L} = -\frac{1}{4} g_{\mu\nu} F_{\mu\nu} F^{\mu\nu} a^{+-\dots}$$



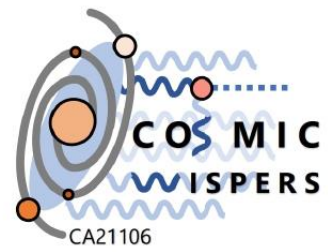
COST Action CA21106

WG 5: Communication and Dissemination



Loredana Gastaldo
Kirchhoff Institute for Physics
Heidelberg University

WG5: Dissemination and Outreach



Enhancing the dissemination and communication of the results and structuring outreach activities to attract public awareness to the challenges and achievements in astro-particle physics.

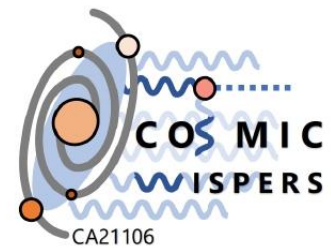
Leader: Olga Mena,
Valencia University, ES



Deputy: Loredana Gastaldo,
Heidelberg University, DE



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Apply

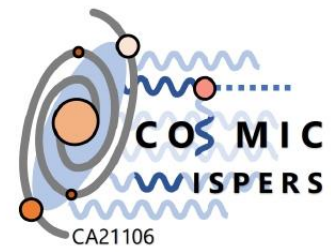
Membership

Name	Working Group	WG 5	Country
Dr Marco CHIANESE	WG 1, WG 3, WG 5		Italy
Dr Venelin KOZHUKAROV	WG 1, WG 4, WG 5		Bulgaria
Dr Yasar HICYILMAZ	WG 1, WG 4, WG 5		Türkiye
Prof Michele GALLINARO	WG 1, WG 4, WG 5		Portugal
Mr Clemente SMARRA	WG 1, WG 2, WG 5		Italy
Mr Alessandro SANTONI	WG 1, WG 5		Austria
Dr Marco SCALISI	WG 1, WG 2, WG 5		Germany
Dr Jacob LEEDOM	WG 1, WG 2, WG 5		Germany
Dr Michael STAELENS	WG 1, WG 4, WG 5		Spain
Dr Francesca CHADHA-DAY	WG 1, WG 3, WG 5		United Kingdom
Prof Alessandro MIRIZZI	WG 2, WG 3, WG 5		Italy
Dr Clare BURRAGE	WG 2, WG 5		United Kingdom
Dr David MARSH	WG 2, WG 4, WG 5		United Kingdom
Dr Edoardo VITAGLIANO	WG 2, WG 3, WG 5		Italy
Dr Elisa Maria TODARELLO	WG 2, WG 3, WG 5		Italy
Dr Javier REDONDO	WG 2, WG 4, WG 5		Spain
Dr Maria Paola LOMBARDO	WG 2, WG 5		Italy
Dr Olga MENA	WG 2, WG 5		Spain

...

About 80 members!!!

Science Communication Plan



Or why it is relevant to communicate about the Action

A few examples:

- Research has been **scattered** across Europe
- Urgent need for coordinated and joint effort to build a **collaborative platform** linking science, industry and management
- Raise **awareness**
- Bring added value of belonging to a **multidisciplinary network** involving **numerous countries**
- To spark **new collaborations**

Apply

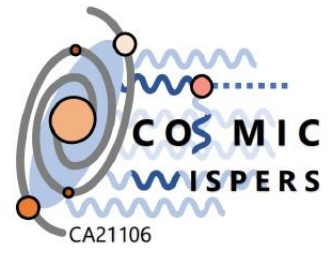
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Dr Jacob LEEDOM ▾	WG 1, WG 2, WG 5		Germany
Dr Michael STAELENS ▾	WG 1, WG 4, WG 5		Spain
Dr Francesca CHADHA-DAY ▾	WG 1, WG 3, WG 5		United Kingdom
Prof Alessandro MIRIZZI ▾	WG 2, WG 3, WG 5		Italy
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Dr David MARSH ▾	WG 2, WG 4, WG 5		United Kingdom
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Dr Olga MENA ▾	WG 2, WG 5		Spain

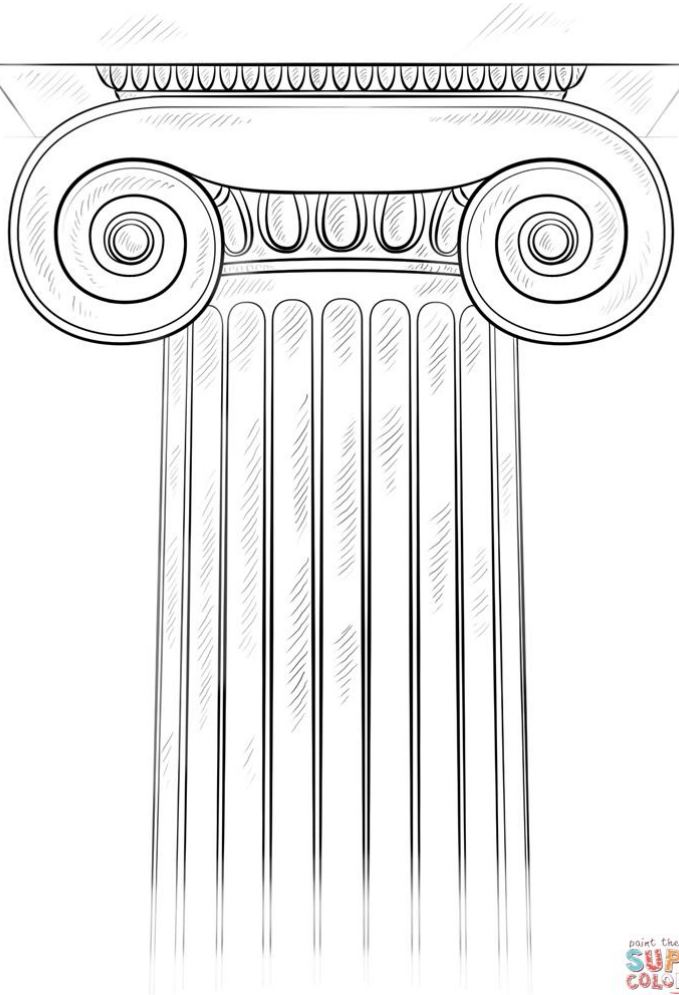
...

About 80 members!!!

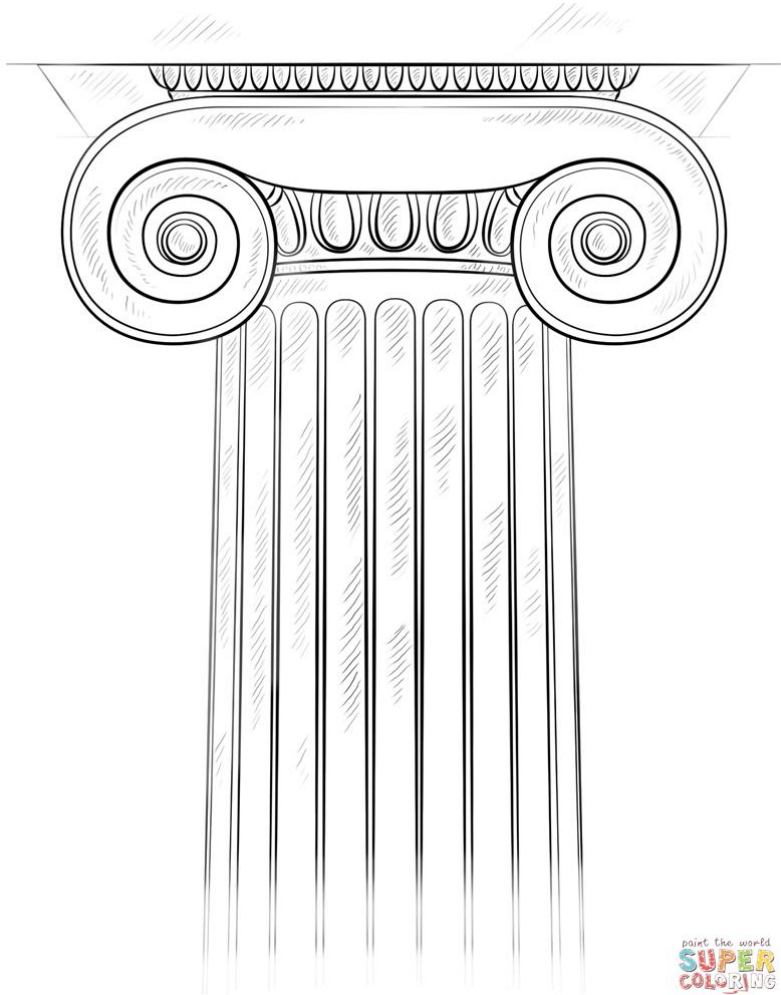
3 Pillars



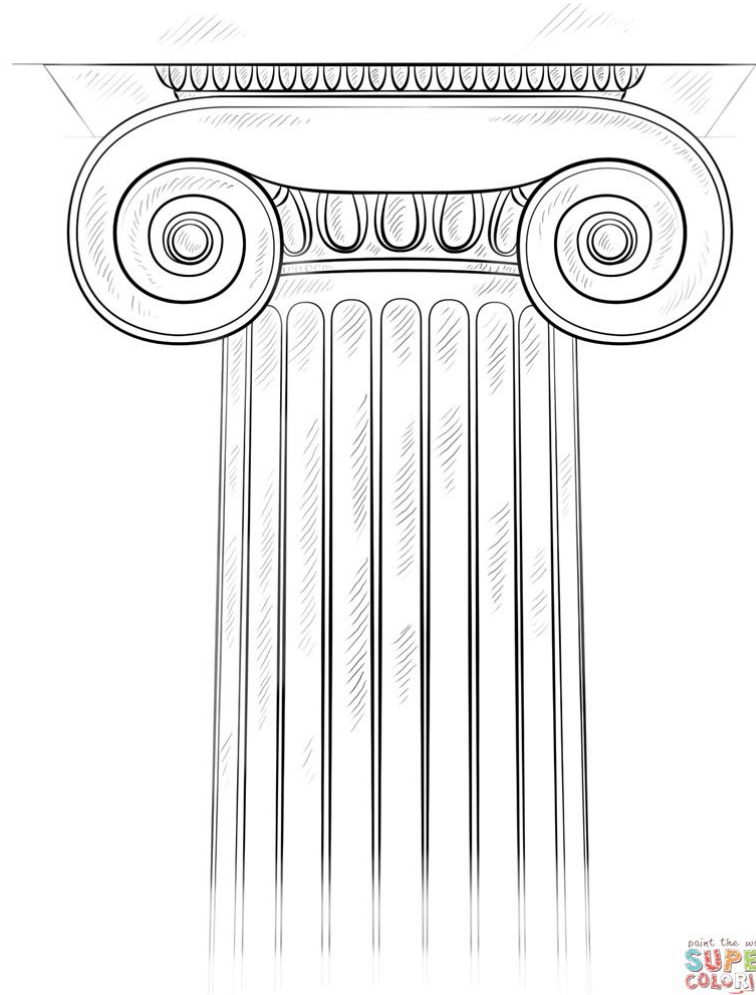
Communication



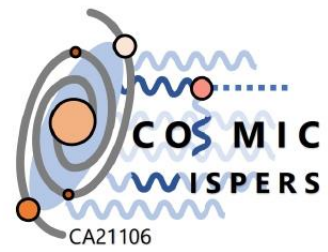
Dissemination



Valorization



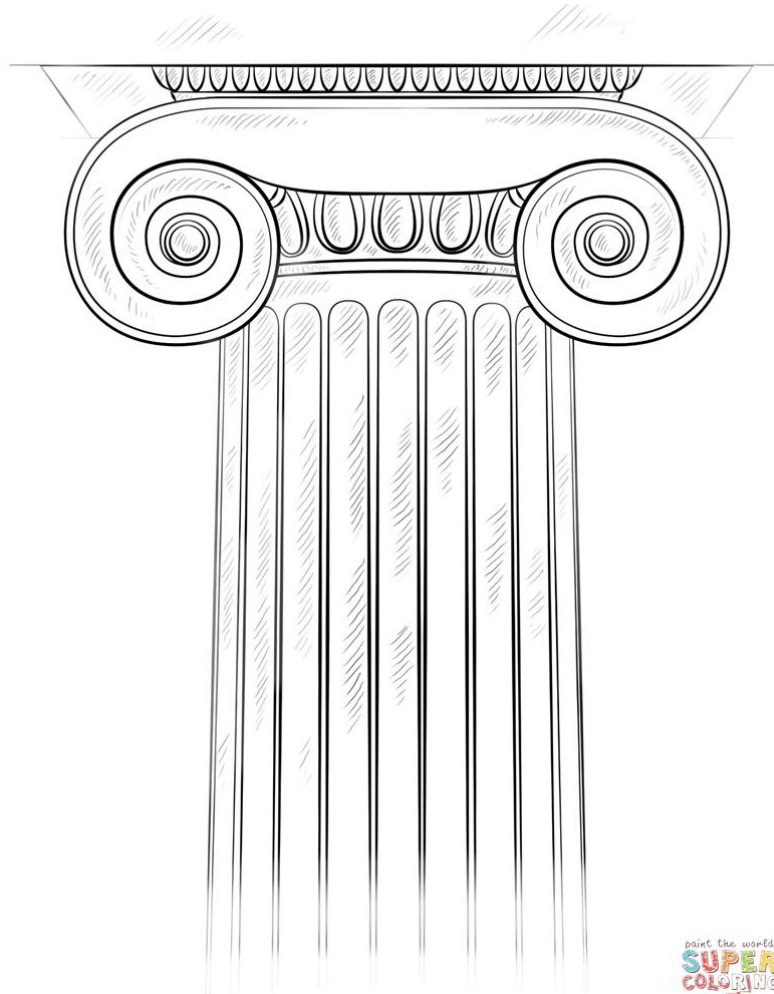
3 Pillars



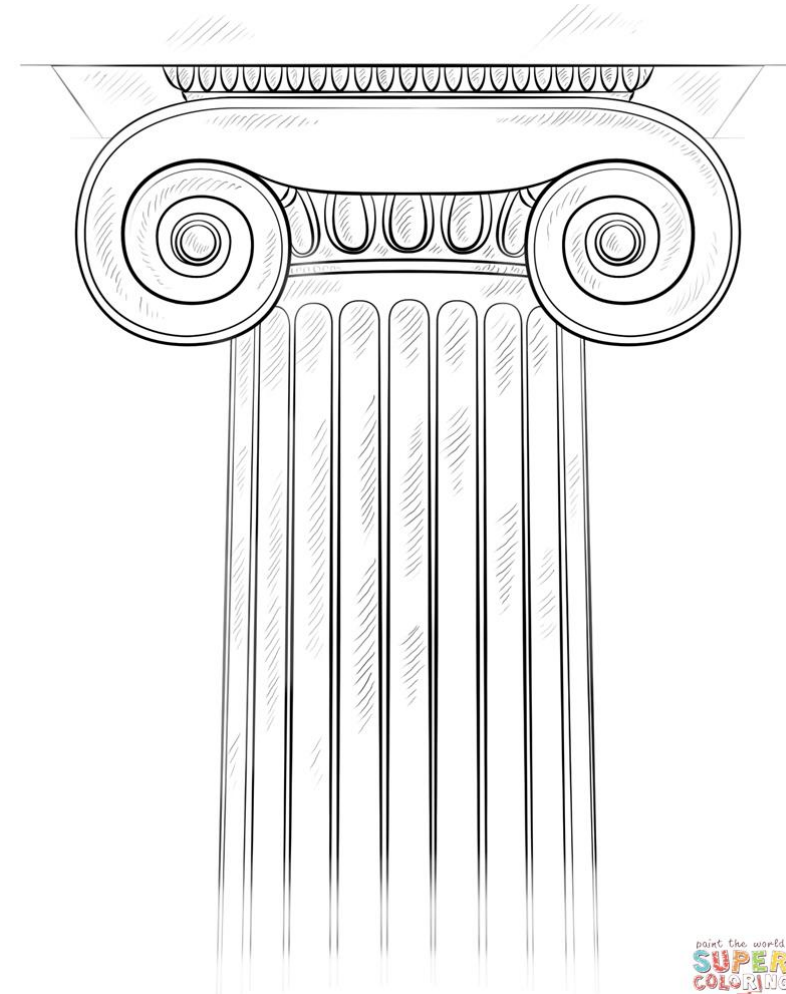
Communication

The communication goal of the Action is to share the motivations and the achievements of WISPs related research with policy makers and the public at a level that can be understood by non-experts.

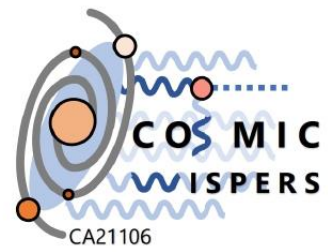
Dissemination



Valorization



3 Pillars



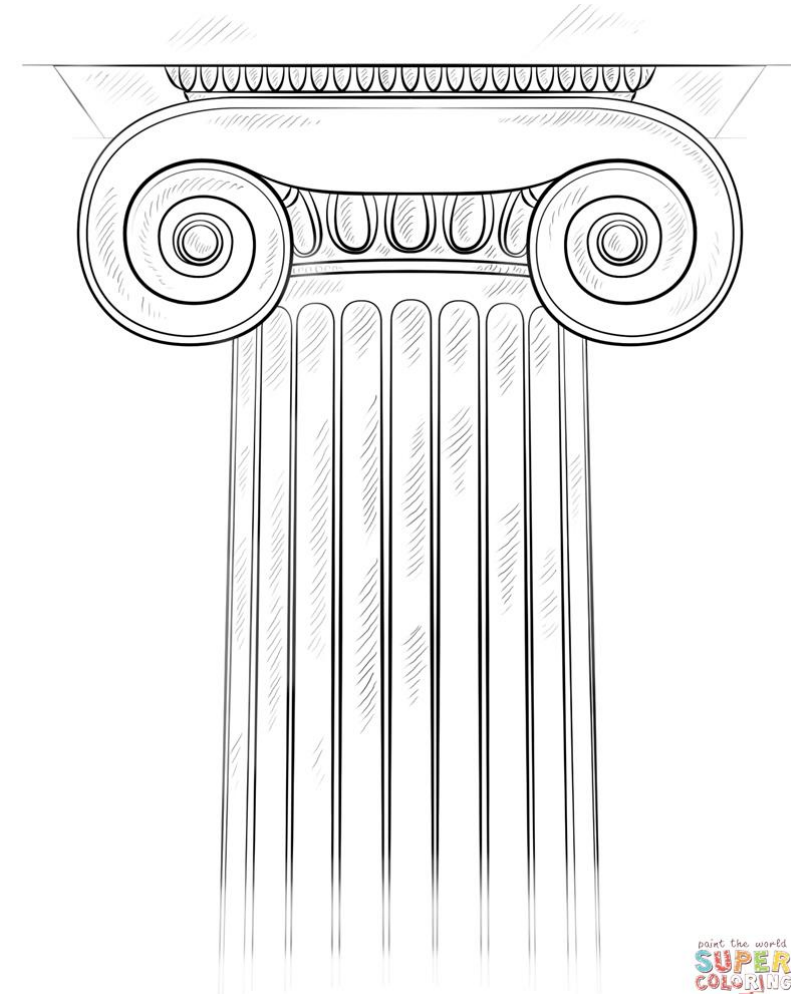
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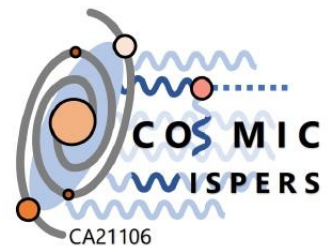
Dissemination

Make research performed within groups in CA21106 and results obtained by joint efforts to reach high impact in the scientific community and funding agencies

Valorization



3 Pillars



Communication

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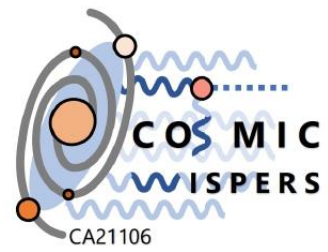
Dissemination

Make research performed within groups in CA21106 and results obtained by joint efforts to reach high impact in the scientific community and funding agencies

Valorization

Attract Small and Medium Size Enterprises (SMEs) as well as funding agencies to support technological developments for WISPs related experiments

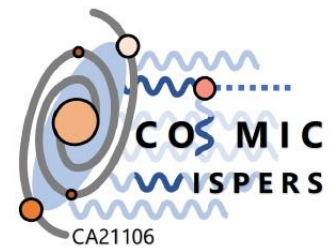
Who can contribute



Working group	Communication	Dissemination	Valorization
WG1 WISPs Model Building	✓	✓	
WG2 WISPs DM and Cosmology	✓	✓	
WG3 WISPs in Astrophysics	✓	✓	
WG4 Direct WISPs searches	✓	✓	✓
WG5 Dissemination and Outreach	✓	✓	

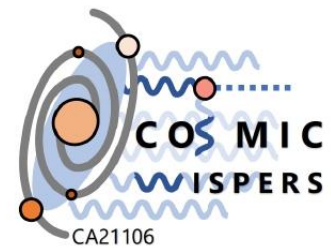
NOT ONLY WG5!

Communication strategy – implementation



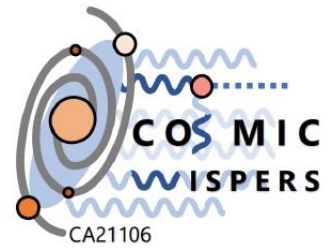
Deliverable	Title	Due date
	Setting on the webpage and a repository concerning the Action activities	6 + periodic updates
	Video to introduce to general public the topics of the Action translated in different languages	12 months + updates
	Twitter account to quickly communicate information related to the Action to general public	6 months + maintenance
	Poster and brochure translated in different languages	6 + periodic updates
	Outreach events at local level (Open Days, Science Weeks and the Night of Researchers)	minimum of twice per year
	Public talk in universities, research and cultural centres	each three months
	Games	twice per year
	Masterclasses for high school students	18 months + updates
	Didactic material translated in different languages addressed to school of different levels	12 months

Dissemination strategy - implementation



Deliverable Number	Deliverable title	Deliverable date (months)
D1	Setting on the webpage and a repository concerning the Action activities	6
D3-4-5-6	Draft reports on the activities of WG1-2-3-4	12
D12	Report on Technologies Forums	40
D17	Lecture notes of the Training School	12

Valorization strategy - implementation



Deliverable Number	Deliverable title	Deliverable date (months)
D3-4-5-6	Draft reports on the activities of WG1-2-3-4	12
D12	Report on Technologies Forums	40

Meetings 2024

- Working Group Meeting, 01-02 February DESY, Hamburg (Germany)
<https://indico.desy.de/event/42137/>



The banner features the COSMIC WISPERS logo (CA21106) on the left, which includes a stylized atom and the text 'COSMIC WISPERS CA21106'. Below it is the DESY logo. The central image shows a mathematical equation $\mathcal{L} = -\frac{1}{4} g_{\mu\nu} F^{\mu\nu} F^{\mu\nu} a^{\mu}$ over a background of galaxies and a satellite. The text 'CA21106 COSMIC WISPERS' is at the bottom of this image. On the right, there is a logo for 'EUROPEAN COOPERATION IN SCIENCE & TECHNOLOGY' with the text 'Funded by the European Union' and the European Union flag.

Working Group Meeting of COST Action COSMIC WISPERS (CA21106)

1.-2. Feb. 2024
DESY Hamburg
Europäisches Zentrum

Geben Sie Ihren Suchbegriff ein



Meetings 2024

- Working Group Meeting, 01-02 February DESY, Hamburg (Germany)
<https://indico.desy.de/event/42137/>
- 2nd Training School, 10-14 June Ljubljana (Slovenia)
<https://indico.ijs.si/event/1825/>



Working Group Meeting of COST Action COSMIC WISPerS (CA21106)

1.-2. Feb. 2024
DESY Hamburg
Europäerzeiten Zeitzone

Geben Sie Ihren Suchbegriff ein

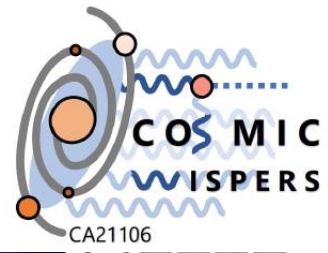
The banner features the COSMIC WISPerS logo (CA21106) on the left, the DESY logo below it, and a central image with the Lagrangian $\mathcal{L} = -\frac{1}{4} g_{\mu\nu} F^{\mu\nu} F^{\mu\nu} a^{\mu} \dots$ and illustrations of a galaxy, a satellite, and a colorful starburst. On the right, it includes the European Union logo and the text "Funded by the European Union".

2nd Training School COST Action COSMIC WISPerS (CA21106)

10.-14. Juni 2024
Faculty of Mathematics and Physics, Ljubljana (Slovenia)
Europa/Ljubljana Zeitzone

Geben Sie Ihren Suchbegriff ein

The banner features the COSMIC WISPerS logo (CA21106) on the left, the University of Ljubljana Faculty of Mathematics and Physics logo below it, and a central image with the Lagrangian $\mathcal{L} = -\frac{1}{4} g_{\mu\nu} F^{\mu\nu} F^{\mu\nu} a^{\mu} \dots$ and illustrations of a galaxy, a satellite, and a colorful starburst. On the right, it includes the COST logo, the European Union logo, and the Jozef Stefan Institute logo.



EUROPEAN COOPERATION
IN SCIENCE & TECHNOLOGY



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European Union

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EUROPEAN COOPERATION
IN SCIENCE & TECHNOLOGY



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European Union



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- 2nd Training School, 10-14 June Ljubljana (Slovenia)
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Public talk by Gabriela Zacharias about
“Evolving view on the Universe and discovery of
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Science Communication Lecture by Dunja Fabjan
“Communicating Science: Tips for scientists”

Working Group Meeting of COST Action COSMIC WISPERs (CA21106)

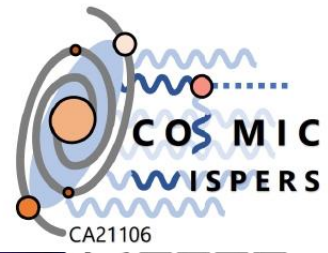
1.-2. Feb. 2024
DESY Hamburg
Europäischer Zeitzone

2nd Training School COST Action COSMIC WISPERs (CA21106)

10.-14. Juni 2024
Faculty of Mathematics and Physics, Ljubljana (Slovenia)
Europe/Ljubljana Zeitzone

Equation:
$$\mathcal{L} = -\frac{1}{4} g_{\mu\nu} F_{\rho\sigma} F^{\rho\sigma} a^{\mu} \dots$$

Logos: COSMIC WISPERs, CA21106, DESY, COST (EUROPEAN COOPERATION IN SCIENCE & TECHNOLOGY), European Union, Jozef Stefan Institute.



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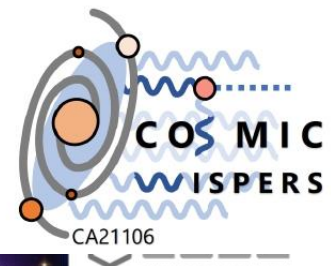
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Science Communication Lecture by Dunja Fabjan
“Communicating Science: Tips for scientists”

- 2nd General Meeting (+Management Committee Meeting)
Istanbul (Türkiye)
<https://agenda.infn.it/event/39939/>

Public talk by Serkant Cetin about
“Duyamadığımız Kozmik Fısıltılar: Evrenin
Karanlık Yüzü” (in Turkish)

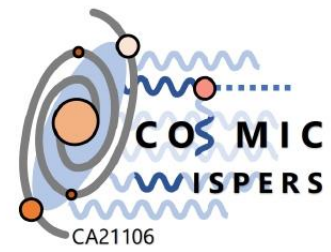


Working Group Meeting of COST Action COSMIC WISPERs (CA21106)

2nd Training School COST Action COSMIC WISPERs (CA21106)

2nd General Meeting of COST Action COSMIC WISPERs (CA21106)

On-line Events and Communication 2024



- Journal Club + presentation of ongoing projects

Maria Benito Castano (Tartu Obs., EE)
Michele Tamaro (Jozef Stefan Inst., SI)

June 2024

04 Jun [JC June - Margherita Putti](#)

May 2024

09 May [JC May - Jamie Mcdonald](#)

March 2024

05 Mar [JC March - Kristjan Mürsepp](#)

February 2024

08 Feb [JC February - Daniel Gavilan-Martin](#)

- Monthly Online Colloquium

Giuseppe Lucente (Bari Univ., IT and Heidelberg Univ., D)

June 2024

25 Jun [Axion searches with gamma-ray telescopes](#)

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30 May [Small Kinetic Mixing from String Theory](#)

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March 2024

27 Mar [Overdensities of Ultra-light Scalar Fields from Relaxation and Capture](#)

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22 Feb [Results for searches of exotic particles with NA62 in beam-dump mode](#)

- Newsletter with papers and events

Damiano Fiorillo (NBI, Copenhagen, DK)
Giovanni Grilli de Cortona (INFN, IT)
Alessandro Lella

June 2024

28 Jun [Newsletter June 2024](#)

May 2024

28 May [Newsletter May 2024](#)

March 2024

21 Mar [Newsletter March 2024](#)

February 2024

25 Feb [Newsletter February 2024](#)

January 2024

25 Jan [Newsletter January 2024](#)

- Social media (Twitter)

- WG meetings about every month

- Blogs

Blogs

Women in Science

Why Science is Fun?

María Benito, researcher @ Tartu Observatory, University of Tartu (Estonia)



Science is fun because it offers the challenge of solving puzzles and the opportunity to explore the unknown.

For example, in astrophysics, studying what dark matter is through Milky Way observations provides a fascinating window into understanding the fundamental nature of the universe.

TARTU ÜLIKOOL Tartu observatoorium

ACEE

COST

COSMIC WISPERS

Why doing PHYSICS IS FUN?

"It is so exciting developing an experiment: bringing all components together and after pressing START seeing the expected signal! PS even if not always :)"




Loredana Gastaldo, Scientist working at KIP Heidelberg University, Germany

COST

COSMIC WISPERS

Why doing PHYSICS IS FUN?

"Isn't it exciting how physics opens a window to the wonders of our universe? As a physicist, I often find myself akin to the protagonist in one of my own novels, fascinated at how nature had been kind to our planet, this little blue dot as observed from distant lands, where day and night, hot and cold, dark and light, winter and summer, water and drought, ice and steam, rock and mud, dusk, dawn, sand, leaves, sea, mountains, had given the diversity of life to its inhabitants."



Mimoza Hafizi, Professor at University of Tirana, Albania

COST

COSMIC WISPERS

WHY DOING PHYSICS IS FUN?

"AS A RESEARCHER, I THINK IT'S GREAT TO HAVE THE PRIVILEGE OF BEING ABLE TO STUDY FUNDAMENTAL AND FASCINATING QUESTIONS ABOUT NATURE AS YOUR JOB."



BABETTE DÖRBEICH, MPP, GERMANY

COST

COSMIC WISPERS

Why doing PHYSICS IS FUN?

"Research in physics is fun because it's like a movie with a lot of plot twists. Every new step towards understanding something generates new questions, and finding the answers is a path full of exciting surprises and unexpected outcomes. It's an adventure that we can shape with original ideas and brave experiments!"



Federica Mantegazzini, Scientist working at Fondazione Bruno Kessler in Trento, Italy

COST

COSMIC WISPERS

Why doing PHYSICS IS FUN?

"Physics is fun because being the same everywhere, on Earth and in the Universe, we share our ideas, experiments, data and advances globally ... Together we try to unveil the secrets of the Universe ! We meet people from all over the world, travel a lot and make friends for ever while visiting exciting places !"



Inma Dominguez, Professor working at the University of Granada, in Spain

COST

COSMIC WISPERS

(Forever) Young WISPers



Ali Ovgun

[READ MORE >](#)

11/07/2024



Giuseppe Lucente

[READ MORE >](#)

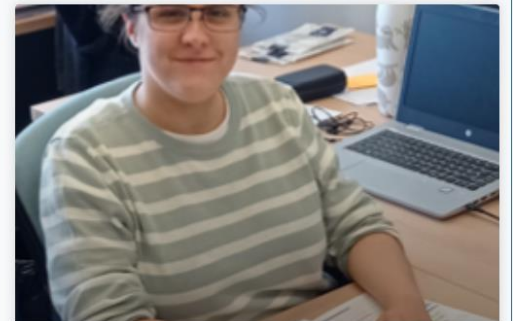
03/07/2024



Alessandro Lella

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02/07/2024

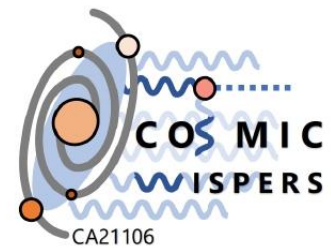


Patricia Diego Palazuelos

[READ MORE >](#)

02/07/2024

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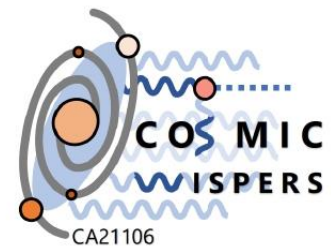
- Social media (Twitter)

- WG meetings about every month

- Blogs

- Presenting CA21106 and science at conferences

Presenting CA21106 and science at conferences



19th Patras Workshop on Axions WIMPs and WISPs
16 – 20 September, Patras (GR)

Kaan Özbozduman (Bogaziçi University, Istanbul, Türkiye)
“A Machine Learning Approach for Dark Matter Search Analysis:
From Savitzky-Golay to Autoencoder”

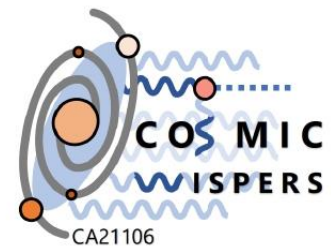
DISSEMINATION GRANT

RICAP-24 Roma International Conference on
AstroParticle Physics,
23-24 September, Rome (IT)

Momchil Naydenov (Sofia University, Bulgaria)
Poster "Dark boson search on accelerators and
in astrophysics"



Communication Material

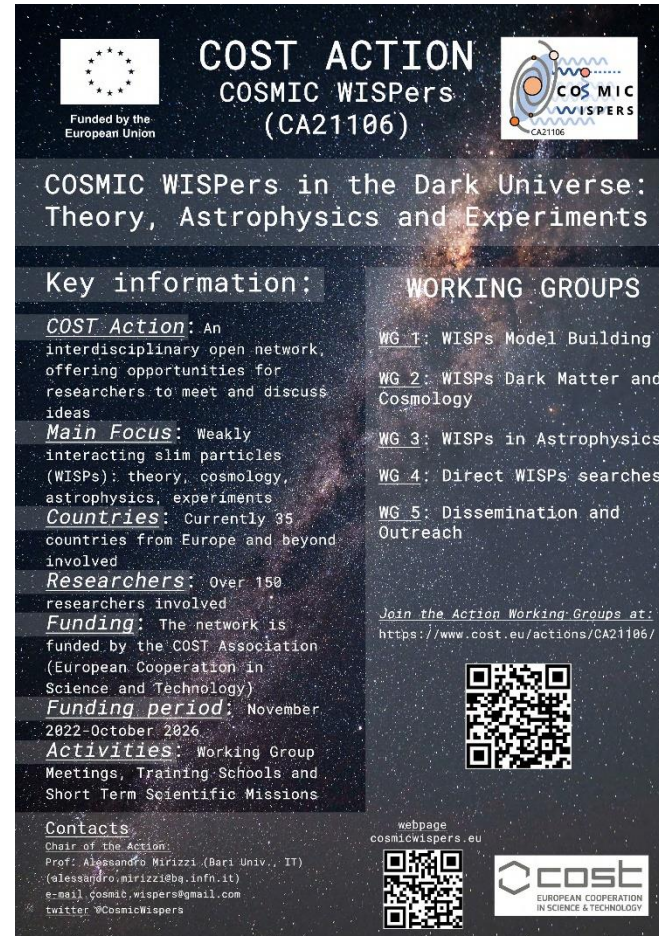


Webpage

<https://cosmicwispers.eu/>



Poster & Brochure



YouTube Channel

☰ YouTube ^{DE}

- Startseite
- Shorts
- Abos

Mein YouTube >

- Verlauf
- Playlists
- Später ansehen
- Videos, die ich mag

Entdecken

- Trends
- Musik
- Filme & TV
- Live
- Gaming
- Nachrichten
- Sport
- Wissen

Suchen









Cosmic Wispers

von INFN LNF - Laboratori Nazionali di Frascati

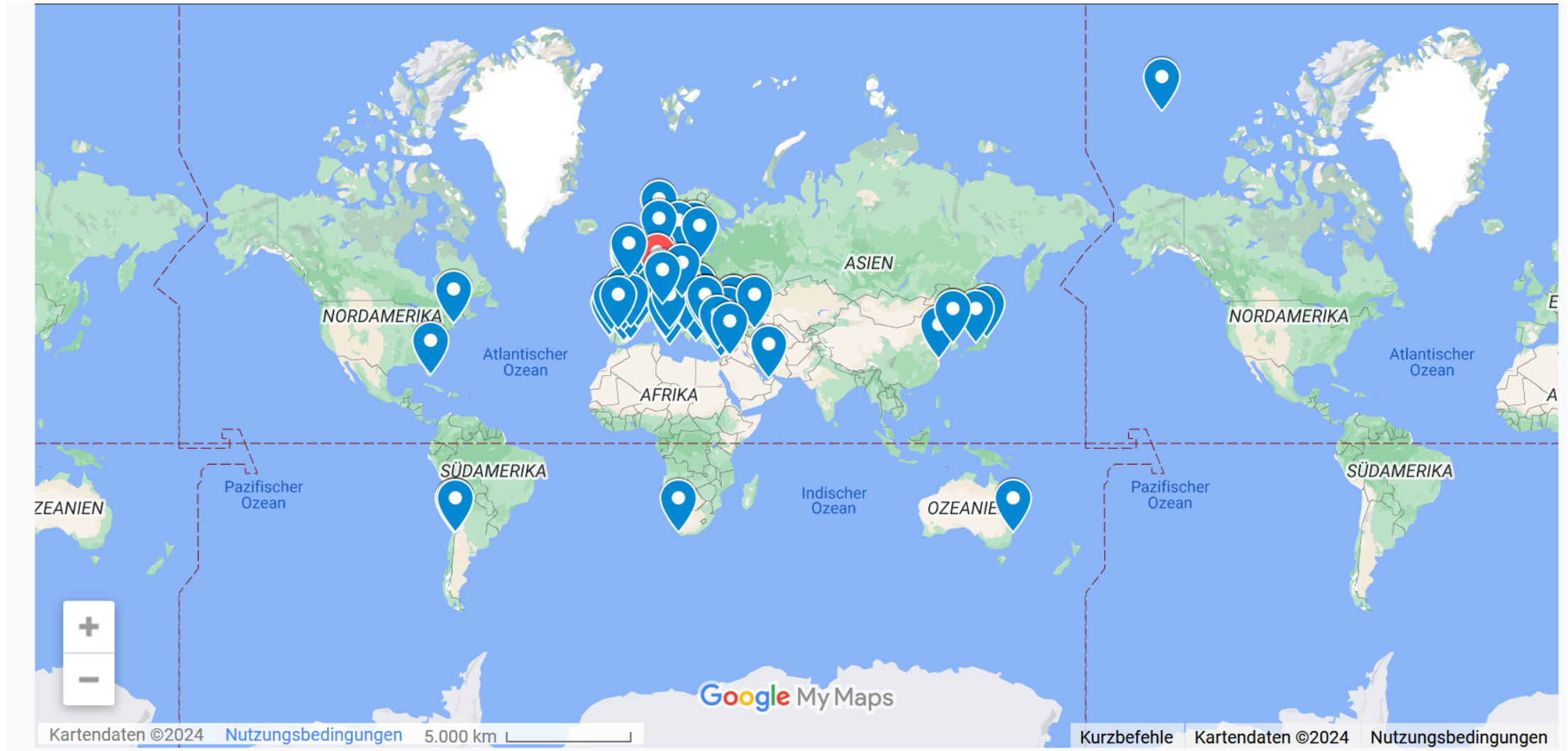
Playlist · 14 Videos · 671 Aufrufe

▶ Alle abspielen

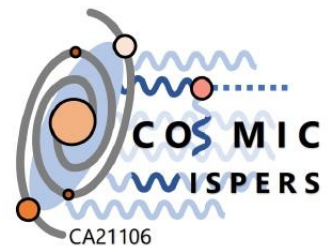
-  **Cosmic Wispers people: interview to Julia Vogel**
INFN LNF - Laboratori Nazionali di Frascati · 340 Aufrufe · vor 8 Monaten
-  **Cosmic Wispers people: interview to Javier Redondo**
INFN LNF - Laboratori Nazionali di Frascati · 289 Aufrufe · vor 8 Monaten
-  **Cosmic Wispers people: interview to Ilaria Brivio**
INFN LNF - Laboratori Nazionali di Frascati · 319 Aufrufe · vor 8 Monaten
-  **Cosmic Wispers people: interview to Maria Benito Castaño**
INFN LNF - Laboratori Nazionali di Frascati · 82 Aufrufe · vor 8 Monaten
-  **Cosmic Wispers people: interview to Andrea Ringwald**
INFN LNF - Laboratori Nazionali di Frascati · 125 Aufrufe · vor 8 Monaten
-  **Cosmic Wispers people: interview to Miguel Escudero Abenza**
INFN LNF - Laboratori Nazionali di Frascati · 143 Aufrufe · vor 8 Monaten

<https://www.youtube.com/playlist?list=PLRuUrPCVPFIqCs0Iizy6d3m4DLK5WymRD>

Interactive map of the Institutions that joined the CA21106 Cosmic WISPer



Outlook



- We have a Science Communication Plan
- Many Communication and Dissemination items have been covered over the last two years
- New ideas for outreach have been presented
- We welcome more ideas

Don't lose any occasion to acknowledge CA21106