

**WP2: DISCO - Dissemination and Communication (DISCO)**  
**Catalina Curceanu**  
**INFN, Italy**

*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824093*



# Plan of the presentation:

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- 1. Progress made during the year towards the objectives**
- 2. Deviations from planned objectives and tasks, and their impact on the progress of the Work Package**
- 3. Deliverables and milestones**
- 4. Other significant achievements**

○ **WP objectives:**

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To promote and realize efficient and targeted dissemination, exploitation of results and communication activities resulting from the dedicated research and transnational activities performed within the project, in order to raise the awareness about their importance, to promptly inform the various communities on the obtained results and to enhance the future financing opportunities targeting the self-sustainability of the involved community, with special care on sex and gender dimension. **DISCO is a transversal and integrated activity, which involves all the other WPs of the project.** The objective is to promote and realize dissemination and communication of the results coming from the project, with special focus on the involved research infrastructures, toward:

- The scientific community of specialists in hadron physics
- The wider scientific community
- The general public, industry representatives and policy makers

## Reminder: DB structure and meetings

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The DISCO Work Package is led by INFN (Catalina Curceanu), with the support of a Dissemination Board (DB)

**DB started its activity in October 2020 and up to now had 25 DB meetings – 14 in the last year since October 2020 (all but one online).**

**All meetings of DB have Minutes**

## WP2: DISCO

### BD Composition and infos

(WPs be careful for your representative!)

Chair: **Dr. Catalina Curceanu – LNF-INFN**

Experienced researcher and spokesperson for SIDDHARTA-2 and VIP-2 Collaborations (hadron physics).

Experienced in Dissemination activities: lead Dissemination within HadronPhysics-2 and 3 projects: organized tens of Workshops and International Conferences: writes articles for public in 3 countries: organized schools for students and teachers: seminars and conferences in schools, public places: participant in 4 TEDx events and Festivals



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## WP2: DISCO

### BD Composition and infos

(WPs be careful for your representative!)



**Prof. Achim Denig, PRISMA+ Cluster of Excellence and JGU Mainz, Germany  
representative of TNA–Transnational access, for which we have 7 Work  
packages**

Achim has been working at  $e^+e^-$  colliders in Frascati, Stanford, and Beijing, carrying out form factor measurements in hadron physics, which serve as input to precision tests of the Standard Model. These measurements also allow for investigations in the field of hadron spectroscopy, for which he is preparing detectors for PANDA/FAIR. Since 2008 he is professor at JGU Mainz and has served as the director of MAMI. He is one of the founding fathers of the MESA accelerator in Mainz, for which he and his group are currently preparing the experimental programme.

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## WP2: DISCO



### BD Composition and infos

(WPs be careful for your representative!)

**Dr. Herve' Moutarde, CEA, France,**

**representative of VA - virtual access, for which we have 2  
Work packages**

Hervé is an expert of hadron structure studies and responsible of the nucleon structure laboratory in IRFU. He created the PARTONS project and has been leading the international development team. He has a long experience in various aspects of scientific computing, including lattice QCD or radiative hydrodynamics simulations of electromagnetic plasmas. He is also quite involved in teaching and in student supervision.

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## WP2: DISCO

### BD Composition and infos

(WPs be careful for your representative!)

**Dr. Raphael Granier de Cassagnac, CNRS France, representative of Quark Gluon Plasma, for which we have 4 Work packages**

Raphael is a member of the CMS collaboration at CERN, one of the leaders of its heavy-ion programme, expert in heavy flavor and electroweak boson physics. In addition, he participates to several dissemination projects: participation to outreach conferences (the Utopiales at Nantes for instance), partnership with the Manzalab company to teach in virtual reality, conception of a video game on particle physics for a broad audience. In 2019, he was awarded a research and education chair on the "Science and Video game" theme



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## WP2: DISCO

### BD Composition and infos

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(WPs be careful for your representative!)

**Dr. Marco Battaglieri, INFN Genova, Italy,**

**representative of QCD, SM, for which we have 3 WPs**

Senior staff scientist at INFN, studied for more than 20 years the internal structure of the nucleon and the hadrons spectra. Member of international collaborations (GRAAL, CLAS, HPS, BDX), used middle energy electromagnetic probes (1-10 GeV electron and gamma beams) to study the hadron properties. He is co-PI of JR7 'Light and heavy quark hadron spectroscopy' working package in STRONG-2020. He is an active collaborator of outreach programs such as EEE - Extreme Energy Events, OCRA - Outreach Cosmic Ray Activity, aiming to spread the scientific culture in the society. He is currently leading one of the experimental Halls at Jefferson Lab (US).



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## WP2: DISCO

### BD Composition and infos

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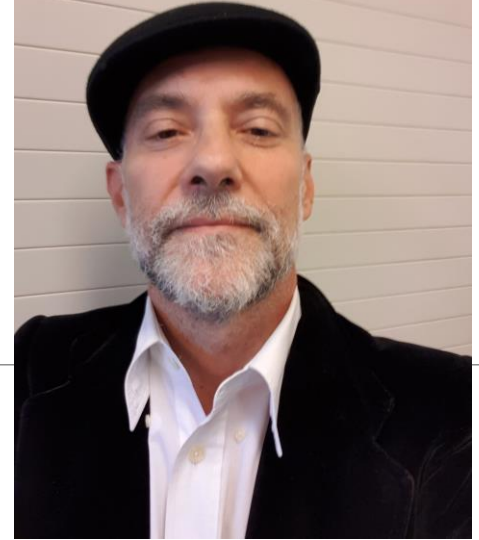
(WPs be careful for your representative!)

**Dr. Fulvio Tessarotto**, INFN Trieste, Italy,

**representative of Detectors, for which we have 3 WP**

Senior Researcher of INFN Trieste, is one of the world leading experts in large size single photon detectors.

He is co-spokesperson of the COMPASS Collaboration at CERN and coordinator of the Italian participation in the RD51 Collaboration. He has a long experience in measuring spin effects in hadronic physics, developing gaseous detectors and managing occupational safety and health problems.



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## WP2: DISCO

BD Composition and infos

(WPs be careful for your representative!)

**Dr. Maria Paola Lombardo, Firenze, Italy,  
representative of Lattice QCD for which we have 1 WP**



I am representing the network NT6 lattice Hadrons.

My previous outreach experiences include the role of Science Communication Officer for the European COST

Action THOR - Theory of ultrarelativistic heavy ion collisions, and the organization of the few events for Eureka! 2018 and 2019, the science festival of the city of Rome.

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## WP2: DISCO

BD Composition and infos

(WPs be careful for your representative!)

**Piet Mulders** VU University in Amsterdam,  
**representative of Nucleon Structure and Strangeness, where  
are 6WPs**



Research areas:

(1) Hadron structure in QCD, in particular spin and transverse momentum structure of partons (quarks and gluons).

(2) The symmetry structure and fundamentals of the standard model of particle physics.

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## WP2: DISCO

BD Composition and infos

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(WPs be careful for your representative!)

**Maurizio Boscardin, FBK – Italy – withdrew Feb. 2021**

**Representative of industries**

We are identifying a new representative – to join DB soon

(Chiara La Tessa)



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## WP2: DISCO

### BD Composition and infos -NEW

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Dr. Andrea Pesce, IKP - Forschungszentrum Jülich, **representative of Development/Optimization of new polarised and unpolarised targets**, for which we have 4 WPs

Member of the JEDI and PAX collaboration, he is an accelerator physicist who works in spin Physics and polarised targets experiments. He is one of the responsible of the Target system for the spin filtering tests at the COSY facility.

He was a co-organiser of the exhibition "Physics and Metaphysics" held in Ferrara in 2015-2016, whose principal aim was to bring students (but not only), from primary school to high school, closer to science; responsible for the "Orientation website" of the physics department of Ferrara university.

Since 2014, he's been participating in the orientation days, both in Ferrara university and in Juelich, to present the scientific activities of the university and the lab to undergraduate students.

2014-2018 Co-organiser of "Modern Physics laboratories" at University of Ferrara, a cycle of experiments performed by 5th grade high school students supervised by researchers.



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## WP2: DISCO

**DISCO Contract (post doc since Nov. 2020)**

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**Luca De Paolis (INFN-LNF)**



Ph D in Hadron Physics

Experience in nuclear and hadron physics but also in informatics  
(such as web page, editing)

Experience in Dissemination

Prepare: Newsletters; STRONG-2020 web-page....

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*Activity:  
web-page update and implementation:*





*Activity:*  
*Newsletters: under News and documents*

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Newsletter n2 November 2020

Newsletter n3 March 2021

Newsletter n3 November 2021 – latest one!

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# Newsletter n4

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This project has received funding from the European Union's H



# Public Lectures (see Newsletter 4); > **1000 views/lecture!**

[https://www.youtube.com/playlist?list=PLRuUrPCVPFQjT\\_o4A7iPEPj26N\\_OOA6s](https://www.youtube.com/playlist?list=PLRuUrPCVPFQjT_o4A7iPEPj26N_OOA6s)

and on the STRONG-2020 dedicated web page:

<http://www.strong-2020.eu/events/live-events.html>

STRONG-2020 Public Lectures



18th December 2020



20th January 2021



11th March 2021



1st October 2021

 **INFN** Istituto Nazionale di Fisica Nucleare  
LABORATORI NAZIONALI DI FRASCATI

# Educa tional

LABORATORI NAZIONALI DI FRASCATI

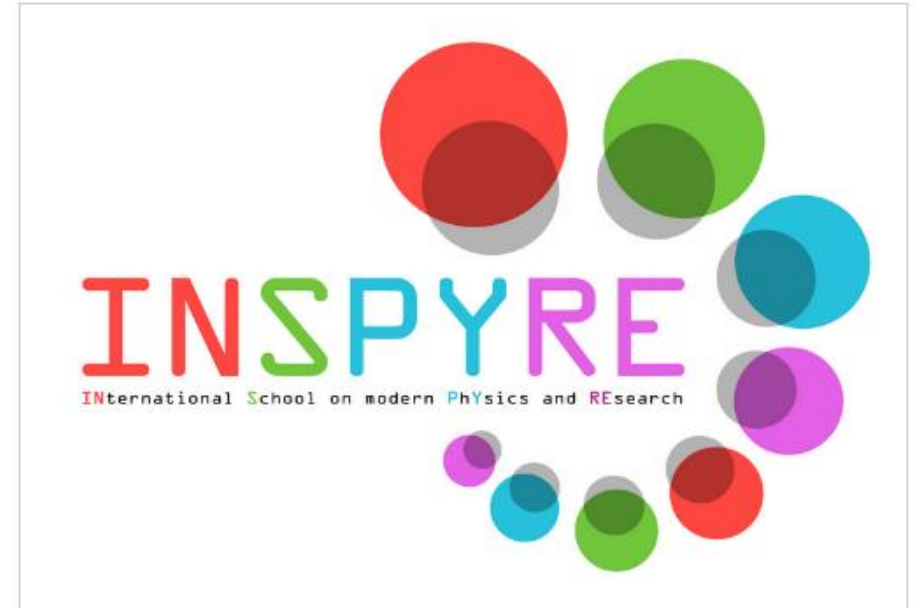
[CHI SIAMO](#) [STUDENTI](#) [DOCENTI](#) [VASTO PUBBLICO](#) [VISITE](#) [RISORSE](#) [NEWS](#) [E-LEARNING](#)

## INSPYRE 2021

Frascati, April 12<sup>th</sup> – 16<sup>th</sup>, 2021

## INSPYRE 2021

Frascati, April 12<sup>th</sup> – 16<sup>th</sup>, 2021



### The magic realm of Particle Accelerators

### ONLINE EDITION

This year the Scholl will be organized online, on a virtual platform, from the 12<sup>th</sup> to the 16<sup>th</sup> of April and will contain a series of lectures. The lectures are scheduled in the afternoons from 3:00 pm to 6:00 pm (Rome CET). Presently we are finalizing our program which you will find in this page.

INSPYRE 2021 is organized with the participation and support of:



TeQuantum



Foundational Questions



STRONG 2020

More than 5000 views!

More than 10 lectures for public and schools online (C. Curceanu)



## INSPIRE 2021

10 video • 2.151 visualizzazioni • Ultimo aggiornamento in data 26 apr 2021



INFN LNF -  
Laboratori  
Nazionali di  
Frascati

ISCRITTO



From cathode ray tubes to LHC - S. Bertolucci

INFN LNF - Laboratori Nazionali di Frascati



Introduction to particle accelerators - D. Alesini

INFN LNF - Laboratori Nazionali di Frascati



Physics and Cultural Heritage - M. Romani, L. Pronti

INFN LNF - Laboratori Nazionali di Frascati



The case of the missing antimatter - M. Doser

INFN LNF - Laboratori Nazionali di Frascati



INSPIRE - DAFNE Virtual Tour - C. Curceanu

INFN LNF - Laboratori Nazionali di Frascati



INSPIRE - B. Touschek Visitor Centre Virtual Tour - D. Domenici

INFN LNF - Laboratori Nazionali di Frascati



The Quantum Universe: from science to technology and back - C. Curceanu, Hendrik Ulbricht

INFN LNF - Laboratori Nazionali di Frascati



Space accelerators! - M Casolino

INFN LNF - Laboratori Nazionali di Frascati



ALICE: a journey of discovery into the core of matter - D. Hatzifotiadou

INFN LNF - Laboratori Nazionali di Frascati



Accelerating the future - M. Ferrario

INFN LNF - Laboratori Nazionali di Frascati

We have no Deliverables during the mentioned period

One Milestone - MS9 Preparation of the Workshop “Present and future perspectives in Hadron Physics in the 21st Century” – Month: 29 Invitation Sent

Due to COVID we need to postpone Workshop and all related activities by 6 months





## What do we expect

- Contribution from STRONG-2020 Community for videos for youtube channel and Newsletter

- Strong actions towards realization of our Tasks (next slides)

D2.4- Proceedings of the Workshop m.42-shift

D2.5-Article in Nuclear Physics News International (NUPECC) and in CERN Courier m.46 - shift

MS9 - Preparation of the Workshop “Present and future perspectives in Hadron Physics in the 21st Century – m. 29 - shift

Mail April 2021: Dear STRONG-2020 WP leaders,

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I am writing this mail to you in order to propose actions for optimizing our procedure to collect the information regarding the many outputs and activities relevant for Dissemination being done within our STRONG-2020 community. I remind you that the information from all our WPs regarding Dissemination & Communication Activities, to be uploaded also inside the Participant Portal, is MANDATORY, and very important for reporting to EU.

.....For the future I ask your collaboration, in particular I ask you to provide us promptly the information on the various items listed in the Annex to this document (page 2) as soon as they are organized/happening, which will make all the process of gathering info and reporting much easier for all of us.

So, please as soon you have organized/held any article/event/activity... to report it by sending an email with the relevant information (see Annex) ASAP to myself and to Luca De Paolis (in cc); in this way we'll have all information ready anytime we need it. By doing this, we will also be able to optimize our dissemination strategy and activities within the DISCO WP.

thank you very much for your collaboration

Catalina Curceanu

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**ANNEX – info to be provided**

- 1) Published articles/proceedings which have STRONG-2020 in Acknowledgement**
- 2) Specify the total funding amount used for Dissemination and Communication activities linked to the project**

Total Funding Amount:

- 3) Specify the number of Dissemination and Communication activities linked to the project for each of the following categories:**

- Organisation of a Conference
- Organisation of a Workshop
- Press release
- Non-scientific and non-peer-reviewed publication (popularised publication)
- Exhibition
- Flyer
- Training
- Social Media
- Website
- Communication Campaign (e.g. Radio, TV)
- Participation to a Conference
- Participation to a Workshop
- Participation to an Event other than a Conference or a Workshop
- Video/Film
- Brokerage Event
- Pitch Event
- Trade Fair
- Participation in activities organised jointly with other EU project(s)
- Other

- 4) Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:**

- Scientific Community (Higher Education, Research)
- Industry
- Civil Society
- General Public
- Policy Makers
- Media
- Investors
- Customers
- Other



Thank you very much!