

Enigmass Plenary Meeting

General Introduction

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Remote meeting

December 10, 2020



Welcome

- ❑ Last Enigmass1 plenary meeting was in December 2018, and we were very much hoping to hold this first Enigmass2 meeting face-to-face
- ❑ We are nevertheless very happy that this meeting can take place remotely, thank you for joining!
- ❑ Special greetings and thanks to our:
 - Steering board members
 - ANR representatives
 - Claire Gosse, Arnaud Haudrechy, Alexis Valentin
 - International scientific council members

2019+: Transition Period

❑ Enigmass1 – 2012-2019

- 7 M€
- Application for extension in September 2018
- Extension announced in February 2019

❑ Enigmass2 – 2020-2024

- 2.8 M€
- Smooth transition in theory
 - Same project, extended
- Complex transition in practice
 - New formal agreements needed
 - First Enigmass2 funds installed on May 25, 2020

❑ 2019 to mid 2020

- Low regime operation: continuation of on-going/recurrent actions + could kick start only a few Enigmass2 projects

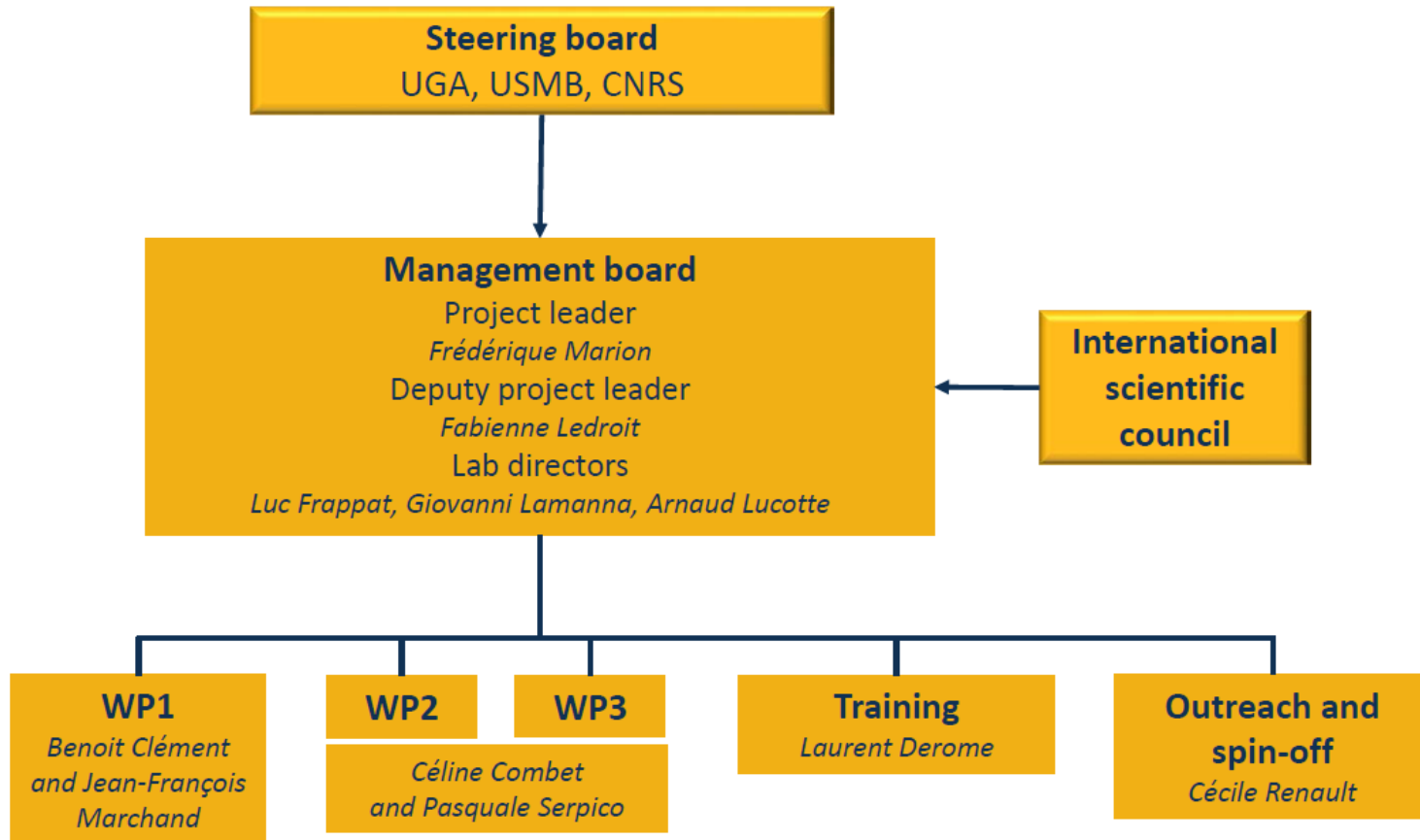
Labex Environment

- ❑ Recent evolutions reflected in steering board members
 - UGA : Hervé Courtois
 - USMB : Roman Kossakowski ➡ ?
 - Pôle PAGE : Jean-Charles Augereau
 - INP DAS : Philippe Lecheminant
 - IN2P3 DAS : Lydia Roos

International Scientific Council

- ❑ Enigmass2 ISC recently formed
- ❑ Members are top scientists with broad expertise covering most of the Labex activities
 - Wolfgang Adam
 - Senior research associate, Institute of High Energy Physics, Austrian Academy of Sciences
 - Nabila Aghanim
 - Directrice de recherche au CNRS, Institut d'Astrophysique Spatiale, Université Paris Saclay
 - Michael Krämer – chair
 - Professor, RWTH Aachen University
 - Martin Kunz
 - Associate Professor, Université de Genève
 - Teresa Montaruli
 - Professor, Université de Genève
 - Federica Petricca
 - Group Leader, Max-Planck-Institut für Physik
- ❑ Plan is to hold first meeting early 2021
- ❑ Many thanks to ISC members for agreeing to give us advice on how to make Enigmass a success!

Enigmass2 Organization



- ❑ Thanks to new coordinators for stepping in!
- ❑ WP1: Origin of mass and search for new physics
- ❑ WP2: Gravitational waves and multi-messenger science
- ❑ WP3: Dark matter and dark energy in the Universe or the standard model of cosmology

Formal and Financial Matters

- ❑ Budget path: ANR ➡ UGA (Idex) ➡ CNRS
 - Enigmass2: $5 \times 558.416 = 2.792.080 \text{ €}$
- ❑ 2020 budget allocation required amending the formal agreement between UGA and CNRS
- ❑ 2020 funding instalment delayed till May
 - $558.416 \text{ €} - 232.672 \text{ €} = 325.744 \text{ €}$
 - Subtracted final payment to be recovered at the end of Enigmass2
- ❑ 2021-2024 budget allocation requires new amendment to UGA-CNRS agreement
 - Pre-requisite: Idex confirmation, delayed by pandemic ✓
 - DR11 is confident that agreement can be signed before the end of 2020, which will trigger instalment of remaining budget
- ❑ Labex currently scheduled to end on 31/12/2024
 - Unclear whether budget can be spent beyond that date
 - Major impact on spending profile

Main Calls for Projects (I)

- ❑ PhD and postdoc fellowships
 - Target: 14 2-year junior postdocs + 4 PhDs to support physics projects within WPs
 - Spending (unknown) deadline constrains number of calls!
 - Timeline for 2021 call: launch 29/09/20, deadline 26/10/20, selection 25/11/20
 - Timed to occur before pôle PAGE call (IRGA)
 - Projects assessed by external experts, selection done by management board
 - Scientific quality, strategic position, impact, feasibility & timing
 - 2020: 5 postdocs + 1 PhD
 - 2021: 4 postdocs + 1 PhD
 - DUNE (LAPP), LHCb (LAPP), ATLAS (LPSC), theory (LPSC), ALICE (LPSC)

Main Calls for Projects (II)

- ❑ R&D for future detectors
 - 300 k€
 - Two main priorities identified in Enigmass2 project
 - GW and CMB
 - Tentative plan
 - Launch call mid-2021
 - Target main R&D priorities
 - May allow for a few additional, smaller projects

Enigmass Fellows

- ❑ The last Enigmass1 postdoc, Mauro Chiesa (theory, LAPTh), left last month to take on a tenure track position at Univ. Pavia 🙌
- ❑ The first Enigmass2 fellows started a few months ago
 - PhD: Zoé Torrès (Auger, LPSC)
 - Postdocs: Emmanuel Artis (NIKA2, LPSC), ~~Feraol Fana Dirirsa (HESS, LAPP)~~, Aniket Joglekar (theory, LAPTh), Calum Murray (LSST, LPSC), Eleonora Rossi (ATLAS, LAPP)
 - Welcome!

Schools – Internships – Visits

❑ Schools

- ESIPAP 2020 held as planned, 2021 remote
- GRASPA 2020 cancelled, 2021 ?

❑ Master internships

- 2020 budget came too late to support any
- 2021-2024: will fund 12 4-month internships/year

❑ Visiting scientists

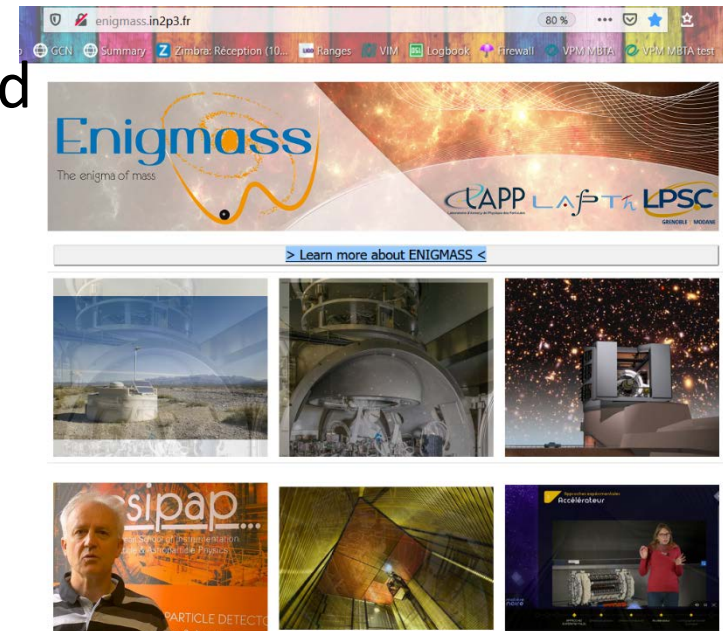
- None in 2020, due to late budget & pandemic
- Funding available for 2021-2024 (~10 k€ /year), hoping the health situation will allow visits to happen again soon

➡ More in Laurent Derome's talk

Outreach

❑ Enigmass has a new web site!

- Old website was outdated and could not be maintained anymore
 - Obsolete framework, hosted (at LAPP) on machines due to be permanently shutdown
- New website designed and hosted at LPSC
 - Based on wiki framework, easier to maintain and keep up-to-date



❑ Starting and calling for new outreach projects

➡ More in Cécile Renault's talk

Enjoy the meeting!