Switzerland

Representing institution:

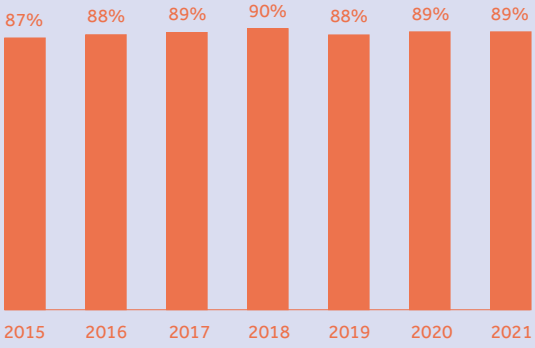
Swiss National Science Foundation (SNSF)

RUNNING ACTIONS LED BY SWITZERLAND

Examples of Chaired and Vice Chaired Actions

- European Platform for Outcomes Research into Perioperative Interventions during Surgery for Cancer
- Identifying causes and solutions of keel bone damage in laying hens
- Wearable Robots for Augmentation, Assistance or Substitution of Human Motor Functions
- European Network of Vaccine Adjuvants
- Building on scientific literacy in evolution towards scientifically responsible Europeans
- Constitution-making and deliberative democracy
- Reliable roadmap for certification of bonded primary structures
- Fintech and Artificial Intelligence in Finance - Towards a transparent financial industry

COUNTRY REPRESENTATION IN COST ACTIONS



LEADERSHIP POSITIONS IN COST ACTIONS

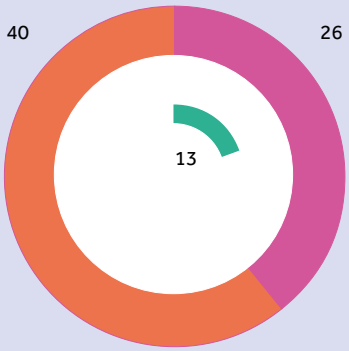
cost
EUROPEAN COOPERATION IN SCIENCE & TECHNOLOGY

Funded by the European Union

Statistical data refers to 2021

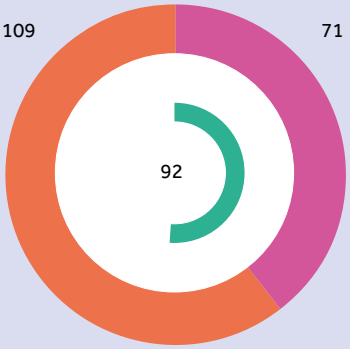
A CLOSE LOOK AT LEADERSHIP POSITIONS

Women Men Young researchers



INDIVIDUAL PARTICIPATION IN ALL ACTION ACTIVITIES

Women Men Young researchers



PARTICIPATION IN NETWORKING ACTIVITIES

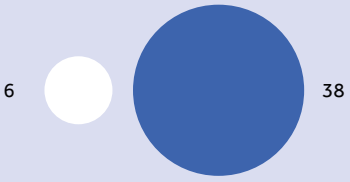
10
Short-term scientific missions

38
Trainees

16
Trainers

NETWORKING ACTIVITIES IN SWITZERLAND

Training schools
Short-term scientific missions



BUDGET RECEIVED

€ 199,759.75

MAKING THE HEADLINES

SCIENZA, INNOVAZIONE, SALUTE

Martina Hirayama alla Conferenza dei ministri per il 50° anniversario della COST

Pubblicato di lecobaci il 6 Maggio 2021

LEGGI IL SUCCESSIVO →

INNOVAZIONE
Canale Fede e Ragione: NASA, Artemis I e i prossimi esperimenti sulla Luna

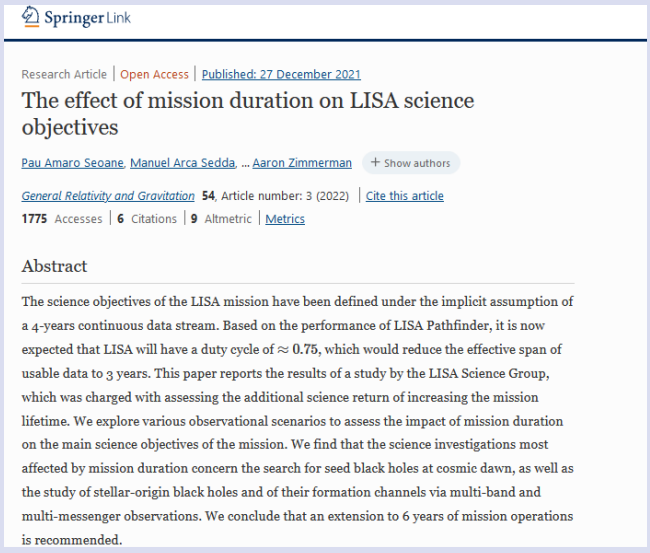
INNOVAZIONE
Canale Fede e Ragione: Visitare in modo virtuale l'Osservatorio ESO del Paranal

Martina Hirayama alla Conferenza dei ministri per il 50° anniversario della COST.

Berna, 05.05.2021 – Il 4 maggio 2021 la Segretaria di Stato ha partecipato alla Conferenza dei ministri della COST (European Cooperation in Science and Technology), tenutasi online. Tra i principali temi trattati rientrano il ruolo della COST all'interno dello Spazio europeo della ricerca (SER) e l'adozione di una dichiarazione ministeriale a questo proposito. Con la sua partecipazione, la Svizzera ha sottolineato di essere membro attivo e parte integrante della COST e del SER.

La videoconferenza tenutasi il 4 maggio 2021 ha visto la partecipazione dei ministri responsabili della ricerca e dell'innovazione, tra cui la Segretaria di Stato Martina Hirayama, e dei rappresentanti dei Paesi membri della COST. La Conferenza viene organizzata a cadenza quinquennale; ogni edizione è accompagnata da una dichiarazione ministeriale. In occasione del 50º anniversario la dichiarazione rimanda alle azioni della COST e ai suoi successi e fissa inoltre gli obiettivi per gli anni a venire.

50 Years of COST Martina Hirayama alla Conferenza dei ministri per il 50° anniversario della COST
View the full story here: https://bit.ly/3R6WdyT



Springer Link

Research Article | Open Access | Published: 27 December 2021

The effect of mission duration on LISA science objectives

Pau Amaro Seoane, Manuel Arca Sedda, ... Aaron Zimmerman + Show authors

General Relativity and Gravitation **54**, Article number: 3 (2022) | Cite this article

1775 Accesses | **6** Citations | **9** Altmetric | Metrics

Abstract

The science objectives of the LISA mission have been defined under the implicit assumption of a 4-years continuous data stream. Based on the performance of LISA Pathfinder, it is now expected that LISA will have a duty cycle of ≈ 0.75, which would reduce the effective span of usable data to 3 years. This paper reports the results of a study by the LISA Science Group, which was charged with assessing the additional science return of increasing the mission lifetime. We explore various observational scenarios to assess the impact of mission duration on the main science objectives of the mission. We find that the science investigations most affected by mission duration concern the search for seed black holes at cosmic dawn, as well as the study of stellar-origin black holes and of their formation channels via multi-band and multi-messenger observations. We conclude that an extension to 6 years of mission operations is recommended.

CA16104 - The effect of mission duration on LISA science objectives - General Relativity and Gravitation
View the full story here: https://bit.ly/3KnuMPm

> This unique combination allowed setting up interdisciplinary international collaborative projects, and the problem was discussed at a European scale. Ragweed is an issue in so many European countries, there were lots of people doing research about it, but it was not coordinated at all.
>
> Prof. Heinz Müller-Schärer, Professor in Biology, University of Fribourg