

# **Update from the Core Program Committee**



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# Core Program & Committee in the Virgo Bylaws

## ➤ Nature of contributions to Virgo

- 3.2.1.1. Each Virgo group is expected to contribute significantly and in an identifiable way to scientific or technical activities essential for the success of Virgo, as defined in the **Virgo core program** [7] and associated documents, such as work breakdown structures and white papers.

## ➤ Sharing contributions

- 3.2.4.1. Each Virgo group has the responsibility and obligation to share openly with the Collaboration all their research efforts within the scope of the **Virgo core program**. This includes hardware, hardware designs, software, analysis results, relevant data, and information about any on-going work [12].

## ➤ Authorship rights

- 3.6.2. Virgo members who have made substantial contributions to the **Virgo core program** and whose time contribution is above a threshold of 0.4 SVAC (§3.2.2.3) earn the right to default authorship on all Collaboration publications. (see also 3.6.4 and 3.6.6)

## ➤ New member groups

- 3.7.2. Groups interested in joining the Collaboration contact the Virgo spokesperson. Using the **core program** as a starting point, they develop a plan together with the spokesperson, coordinators, and other Collaboration members fore how the group will contribute to Virgo.

## ➤ Advisory body to VSC

- 4.1.1.15. [VSC] approves MoUs with external collaborations or scientists, upon a recommendation of the **core program committee** (§5.0.3.1)
- 4.1.1.17. [VSC] defines and regularly updates the **core program** of Collaboration activities, upon a proposal of the **core program committee** (§5.0.3.1)
- 4.1.1.19. [VSC] approves the Collaboration publication plan, upon a proposal from the data analysis coordinator and a recommendation from the **core program committee** (§5.0.3.1)

## ➤ The **MoA review committee** includes a representative of the CPC (VIR-0454A-22)

# New Core Program Committee

- **Chris Van Den Broeck** (chair) and **Andrea Vicere** (deputy chair) elected by VSC on 17 January 2024
- Composition of new committee approved by VSC on 6 March 2024:  
Choice of members based on experience with the Core Program areas
  - Instrument
    - **Valerio Boschi, Nicolas Arnaud**
  - Data analysis & multi-messenger
    - **Chairs + E. Chassande-Mottin**
  - Outreach
    - **Isabel Cordero-Carrion**
  - Instrument R&D
    - **Viviana Fafone**
  - Collaboration operation
    - **All**

With a view on upcoming instrument-related developments + IGWN discussions: experienced individuals who know the history of LVK
- Kick-off meeting 29 March 2024
  - Since then: weekly meetings
- **Fafone, Van Den Broeck** also members of the **IGWN Design Committee**

# Existing Core Program document

- VIR-0734A-23, approved by VSC on 26 July 2023
- Divided into sections:
  - Instrument
  - Data analysis and multi-messenger
  - Instrument R&D
  - Outreach
  - Collaboration operation
- Definition of **service tasks**:
  - Service tasks refer to activities that go beyond the basic scientific contribution that should be expected from Collaboration members, either because of **time dedication (e.g., 24/7 on-call duty, off-hours work)**, because they involve **repetitive tasks with little scientific value in themselves**, or because they involve **devoting efforts toward activities external to those the individual is primarily involved in** (e.g., acting as a reviewer for another team, activity, or document submitted to the Virgo document review system).
  - Service tasks are **identified** in each area of the Collaboration activities, **by the relevant coordinators, under the coordination of the core program committee**.
  - Service tasks are **expected to be shared in a fair way** among Virgo groups [bylaws 3.2.1.2].

# New Core Program Committee: Activities

- Currently focusing on **detailed definition of service task**, with proposed number of SVAC (= Standard Virgo Annual Contribution), collecting input from:
  - Activities listed in the Virgo Members Database (e.g. items under Data Analysis recently were defined in a fine-grained fashion, with O4 in mind)
  - LVK White Papers (Operations, Observational Science, Climate Committee) and various Virgo-specific documents (instrument related, R&D, ...)
  - Coordinators and working group co-chairs

*Not only “chores”, but also activities (e.g. detector-related) that are fundamental*

- Hope to be able to show a mature draft proposal for service tasks to VSC in June
- Next, fine-grain all Virgo activities