

# Collaboration

More than **90 research institutions** from **16 countries** have signed the agreement for the international R&D collaboration for a future wide field-of-view gamma-ray observatory in the southern hemisphere. The collaboration aims to develop, over the next three years, a detailed proposal for the implementation of such an observatory, including site selection and technology choices. The partner countries of the Southern Wide field-of-view Gamma-ray Observatory (SWGGO) are Argentina, Brazil, Chile, China, Croatia, Czech Republic, France, Germany, Italy, Mexico, Netherlands, Peru, Portugal, South Korea, United Kingdom, United States, creating a worldwide community around the project. In addition, there are supporting scientists from 10 additional countries.



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## Spokespersons

Spokesperson: [Jim Hinton](#)

Vice-spokespersons: [Petra Huentemeyer](#), [Ulisses Barres](#)

## Working Group Coordinators

The current coordinators are:

- **Science:** Gwenael Giacinti [email](#) , Francesco Longo [email](#) & Ke Fang [email](#)
- **Detector:** Fausto Guarino [email](#), Wayne Springer [email](#) & Richard White [email](#)
- **Analysis & Simulations:** Ruben Conceição [email](#), Jonas Glombitza [email](#) & Andrew Smith [email](#)
- **Outreach & Communications:** Ana Pichel [email](#), Osvaldo Aquines [email](#) & Arshia Ruina [email](#)

- **Site:** Dusan Mandat [email](#) & Marcos Santander [email](#)

## Steering Committee

Countries in which institutes have signed the “Statement of Interest” in SWGO are asked to appoint a national representative to sit on the SWGO Steering Committee. The current membership of the steering committee is:

- Adrian Rovero (Argentina)
- Elisabete de Gouveia Dal Pino (Brazil)
- Claudio Dib (Chile)
- Hao Zhou (China)
- Marina Manganaro (Croatia)
- Jakub Vicha (Czech Republic)
- Marianne Lemoine-Goumard (France)
- Christopher Van Eldik (Germany)
- Andrea Chiavassa (Italy)
- Ibrahim Torres Aguilar (Mexico)
- Harm Schoorlemmer (Netherlands)
- Luis Otiniano (Peru)
- Mário Pimenta (Portugal)
- Chang Dong Rho (South Korea)
- Jon Lapington (UK)
- J. Patrick Harding (USA)

The Spokesperson and Vice-spokespersons are ex-officio members of the steering committee.

## Institutes Per Country

### Argentina

- [División Partículas y Campos \(CAB-CNEA\)](#)
- [Facultad de Ciencias Exactas - Universidad Nacional de Salta](#)
- [Facultad de Ingeniería, Universidad Nacional de Salta](#)
- [Instituto Argentino de Radioastronomía \(IAR\)](#)
- [Instituto de Astronomía y Física del Espacio \(IAFE, CONICET-UBA\)](#)
- [Instituto de Física la Plata - CONICET/UNLP](#)
- [Instituto de Tecnologías en Detección y Astropartículas \(ITEDA\)](#)

### Brazil

- [Centro Brasileiro de Pesquisas Físicas, Rio de Janeiro \(CBPF\)](#)
- [Instituto de Astronomia, Geofísica e Ciências Atmosféricas, Universidade de São Paulo \(IAG-USP\)](#)
- [Instituto de Física de São Carlos, Universidade de São Paulo \(IFSC-USP\)](#)
- [Instituto Federal Fluminense, Rio de Janeiro \(IFF\)](#)
- [Universidade Federal do Espírito Santo \(UFES\)](#)

## Chile

- [Centro de Astronomía \(CITEVA\), Universidad de Antofagasta](#)
- [Centro de Ciencias Exactas, Universidad del Bío-Bío](#)
- [Universidad Adolfo Ibañez](#)
- [Universidad Andrés Bello \(UNAB\)](#)
- [Universidad de Chile](#)
- [Universidad de La Serena](#)
- [Universidad Metropolitana de Ciencias de la Educación \(UMCE\)](#)
- [Univ. Tecnica Federico Santa Maria](#)
- [Universidad Católica del Norte \(UCN\)](#)
- [Pontificia Universidad Católica de Chile \(PUC\)](#)
- [https://finis.cl/ Universidad Finis Terrae \(UFT\)](https://finis.cl/)

## China

- [Aerospace Information Research Institute, Chinese Academy of Science](#)
- [China University of Geosciences](#)
- [Hebei Normal University](#)
- [Institute of High Energy Physics, Chinese Academy of Science \(IHEP, CAS\)](#)
- [Ludong University](#)
- [Nanjing University](#)
- [Shandong University](#)
- [Sun Yat-Sen University](#)
- [Tsung-Dao Lee Institute, Shanghai Jiao Tong University](#) \*  
[[<https://www.tsinghua.edu.cn/en/>|Tsinghua University
- [University of Science and Technology Beijing](#)
- [University of Science and Technology of China](#)

## Croatia

- [University of Rijeka](#)

## Czech Republic

- [Institute of Physics of the Czech Academy of Sciences \(FZU\)](#)
- [Palacky University Olomouc \(UPOL\)](#)

## France

- [APC Paris Cité University](#)
- [LP2i University of Bordeaux](#)

## Germany

- [Erlangen Centre for Astroparticle Physics - Universität Erlangen-Nürnberg](#)

- [Max Planck Institute for Nuclear Physics](#)
- [RWTH Aachen University](#)
- [TU Dortmund University, Department of Physics](#)

## Italy

- [Department of Physics, University of Trieste](#)
- [Dipartimento di Fisica e Astronomia "E. Majorana", University Catania](#)
- [Dipartimento di Fisica, Università degli studi di Torino](#)
- [Dipartimento Interateneo di Fisica dell'Università e del Politecnico di Bari](#)
- [Istituto Nazionale di Astrofisica \(INAF\)](#)
- [Politecnico di Milano](#)
- [Univeristà degli Studi di Napoli "Federico II" - Dipartimento di Fisica](#)
- [Università degli Studi di Roma "Tor Vergata" - Dipartimento di Fisica](#)
- [Università IUAV di Venezia](#)
- [University of Padova, Department of Physics and Astronomy & INFN Padova](#)
- [University Perugia](#)
- [University Siena](#)
- [University Udine](#)

## Mexico

- [Benemérita Universidad Autónoma de Puebla](#)
- [Centro de Investigación en Computación. Instituto Politécnico Nacional](#)
- [Facultad de Ciencias en Física y Matemáticas UNACH](#)
- [Instituto de Astronomía \(IA-UNAM\)](#)
- [Instituto de Ciencias Nucleares \(ICN-UNAM\)](#)
- [Instituto de Física, UNAM \(IF-UNAM\)](#)
- [Instituto de Geofísica UNAM](#)
- [Instituto Nacional de Astrofísica, Óptica y Electrónica \(INAOE\)](#)
- [Tecnologico de Monterrey](#)
- [Universidad Autónoma del Estado de Hidalgo \(UAEH\)](#)
- [Universidad de Guadalajara](#)
- [Universidad de Monterrey \(UDEM\)](#)
- [Universidad Michoacana de San Nicolas de Hidalgo](#)
- [Universidad Politécnica de Pachuca \(UPP\)](#)

## Netherlands

- [Institute for Mathematics, Astrophysics and Particle Physics \(IMAPP\), Radboud University Nijmegen](#)

## Peru

- [Comisión Nacional de Investigación y Desarrollo Aeroespacial del Perú \(CONIDA\)](#)
- [National University of Engineering](#)
- [Pontificia Universidad Católica del Perú](#)

- [Universidad Nacional de Moquegua](#)
- [Universidad Nacional de San Agustín de Arequipa](#)
- [Universidad Nacional de San Antonio Abad del Cusco](#)
- [Universidad Nacional Mayor de San Marcos](#)

## Portugal

- [Laboratório de Instrumentação e Física Experimental de Partículas \(LIP\)](#)

## South Korea

- [Department of Physics, University of Seoul](#)
- [Department of Physics, Sunkyunkwan University](#)

## United Kingdom

- [Durham University](#)
- [University of Leicester](#)
- [University of Liverpool](#)
- [University of Oxford](#)

## United States of America

- [Los Alamos National Lab](#)
- [Michigan State University](#)
- [Michigan Technological University](#)
- [Pennsylvania State University](#)
- [University of Alabama](#)
- [University of Maryland](#)
- [University of Wisconsin-Madison](#)
- [University of Utah](#)
- [Washington University in St Louis](#)
- [Stanford University](#)
- [University of Rochester](#)
- [Temple University](#)

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