



Solidarity, adaptability, ambition, generosity and commitment marked the year 2023



A word from the president

Dear friends, partners and benefactors.,

Following my appointment in December 2023 as President of the ISAE-SUPAERO Foundation, today it is the work of my predecessors that I honor. On behalf of the ISAE-SUPAERO Foundation, I am proud to present our annual report for 2023. This year again, thanks to your support, we have been able to make significant progress, promoting the development and excellence of ISAE- SUPAERO as well as its students.

The year 2023 was marked by a continued dynamic of cooperation and innovation. We were able to distribute scholarships and support to more than 50 of our students, thus promoting their international mobility, their participation in club projects or cuttingedge research and their engagement in ambitious entrepreneurial initiatives contributing to the influence of the 'Institute.

Your generosity has also made it possible to strengthen our Student Social Openness programs, with notable progress in programs such as OSE L'ISAE-SUPAERO and OSE inGÉ. These programs since their creation have had a strong impact on more than 34,000 young people.

This year, we also welcomed new members to our Board of Directors. I would like to welcome their arrival and thank those who have been involved for years. I would particularly like to thank Philippe Forestier who through his vision marked his 6 years of presidency and leaves a lasting legacy of innovation and passion, as well as Jean-Louis Marcé who for 12 years worked as Secretary General close to the team to support its development on a daily basis. Under their leadership, the Foundation launched numerous initiatives.

As we look to the future in an increasingly complex environment, our mission remains unchanged and as urgent as ever: to support excellence and innovation within ISAE-SUPAERO, and to contribute to the development of technologies and decision-makers who will shape the future of the strategic Aerospace & Defense sector and other sectors. We are enthusiastic about the current projects and the new initiatives that we plan to launch alongside the Institute, always with the support of our community of patrons and donors.

I would like to thank you once again for your loyalty and generosity. Every contribution counts! Together, let us be committed and united for our youth and for a sovereign and sustainable future.

With all my gratitude and warmest regards,

Stéphane Albernhe S1991



They say thank you!

On behalf of the entire team at the 37th edition of Airexpo, I would like to extend my warmest thanks to the Fondation ISAE-SUPAERO for the help it has been able to provide. (...) The Foundation has been supporting Airexpo for several years now, and Airexpo is delighted to be working with the Foundation, It's a very rewarding event for ISAE-SUPAERO students, because it's very professional. What's more, it also allows us to shine a spotlight on our school on the day of the meeting.

Thank you for another year of support!

Thomas Bidault, vice-president of the AIREXPO 2023 meeting



4 000 secondary school students through the OSE equal opportunities opportunities programme at ISAE-SUPAERO



9 extracurricular student projects



11 mobility grants for students from the Institute and for hosting foreign students



9 support for the organisation of or participation in international conferences



10 grants for international research exchanges



1 entrepreneurship grants

4 Young Entrepreneurship



6 thesis prize

Soit 50 soutiens qui comprennent les bourses, prix de thèse et autres soutiens au titre des Actions Générales de la Fondation

funds raised



3,1 M € collected

91,3 % from **Companies**

2, 849 M €

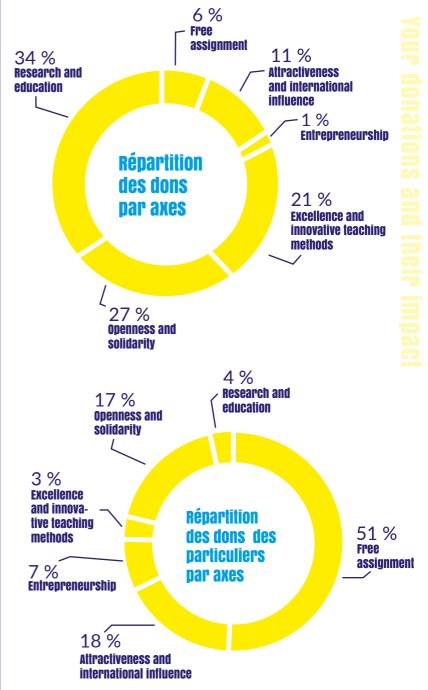
collected

14 patrons companies or institutions

of wich
8,7 %
from
individuals
i.e.
271 K €
collected

417 individual donors alumni, parents, enthusiasts and friends of ISAE-SUPAERO





research to respond to transitions



Research provides innovative, rapidly transferable solutions to the needs of the aeronautics and space industries, which are currently undergoing major transformations. It also enhances the excellence of our training programmes, keeping pace with global scientific and technological advances.

Thesis prizes

The 2023 prizes reward the best theses defended between 1 August 2022 and 31 July 2023 and are awarded on the basis of 2 criteria:

- the excellence of the research carried out
- the potential applications of each of them

Quentin Gibaru

Thesis subject: Low-energy electron transport model for dielectrics in space applications Doctoral school: GEETS

Thomas Jaroslawski

Thesis subject: Growth of disturbances in laminar separation bubbles

Doctoral school: MEGEP

Ervan Kassarian

Thesis subject: LFT modelling of flexible multi-body systems.

Application to mechanical co-design / line-of-sight control for stratospheric balloons

Doctoral school: EDSYS

Corentin Lubeigt

Thesis subject: Signal processing for GNSS remote sensing Doctoral school: Toulouse Mathematics, Computer Science and Telecommunications (EDMITT)

Valerian Palanque

Thesis subject: Design of low consumption resonant electromechanical de-icing system

Doctoral school: EDAA

Aeronautics-Astronautics

Ludovic Thomas

Thesis subject: Analysis of the consequences on latency limits of combinations of scheduling, redundancy and synchronisation mechanisms in real-time networks Doctoral school: Mathematics,

Computer Science, Telecommunications

Support for international research exchanges

Teacher mobility abroad

Leandro Lustosa

DCAS teacher-researcher, for a stay at the University of Michigan, Ann Arbor, USA

Research internships

Solène Gerier

Stage au Jet Propulsory Laboratory, Pasadena, USA

Bastien Schnitzler

Internship at MIT, Boston, USA

End-of-studies internships

Estelle Crouzet

Internship at the University of Colorado, Boulder, USA

Jules Gomel

Internship at Drexel University, Philadelphia, USA

Alvaro Martinez Sanchez

D. at MIT, Boston, USA

Charles Millancourt

Substitution at the University of Toronto, Canada

Julien Rondey

Stage au NASA Goddard Center, Greenbelt, USA

Miriam Scarano

Internship at Concordia University in Montreal, Canada



It turned out to be an unprecedented human experience, rich in scientific, technical and cultural terms. Having had the opportunity to travel to other countries for shorter periods (a month in Ireland and India, for example), I think that a minimum of two months is necessary to blend into a new culture and I'm still very grateful to have had the opportunity to have such an experience during my second year of my PhD.

I would like to warmly thank the ISAE-SUPAERO Foundation and the donors for their confidence in my project. It was an enriching and transformative experience that I will never forget. I think it's extraordinary that the Foundation and its donors are able to give so many projects the chance to have this kind of experience, and I hope that these initiatives will continue for a long time to come for future students.

Solène Gerier, S 2023

Entrepreneurship & Innovation



Every year, the ISAE-SUPAERO Foundation awards grants to encourage and support students wishing to innovate by embarking on an entrepreneurial adventure. This is a real boost for the young start-ups that are often created during their years of study at ISAE-SUPAERO.

Grants

Young Entrepreneurship grants

Financed by Jean L. Lamy (S 1971)

Alexandre Chabaille D'Auvigny (\$ 2023) *SOLTEO project*

SOLTEO's ambition is to simplify and accelerate the transition to solar energy by developing a modular solar project management platform that will save installers time throughout their entire project cycle: administrative assistant, sales assistant and all-in-one project management, a real solar installation simulator.



This grant enabled the team to register the brand, travel to sign their first contract, pay the salary of an intern for several months and enter an incubator.

Alexandre Girard (\$ 2023)ORUS ENERGY project

The challenge behind the ORUS ENERGY project is to consume electricity more efficiently. Thanks to thermal inertia, HVAC (heating, ventilation and air conditioning) electricity consumption in commercial buildings can be shifted by 1-2 hours without any impact on comfort, in order to relieve the electricity network. The ORUS ENERGY team is developing software to intelligently shift flexible electricity consumption away from carbon peaks to balance the electricity grid across thousands of buildings.

This grant enabled them to register the start-up's articles of association, develop the first version of the software and ensure commercial development by taking part in events and trade fairs...

« It was the grant that really got us started when we really had no other resources. I'd like to thank the Foundation and our donors for enabling us to embark on this adventure... »



Joseph Risson VIRAJ H2 project

Viraj H2 is an entrepreneurial project that aims to contribute to the decarbonisation of the aviation sector.

To do this, the team wants to explore a new, high-potential hydrogen propulsion architecture.

This grant has provided financial support for the project, enabling it to build demonstrators, trade with intellectual property firms and pay for licences for design tools that will provide an environment conducive to the start-up's development.

Future expenditure will focus mainly on intellectual property and

the creation of articles of association.

Joseph Risson won a €1 million prize awarded by the Lopez-Loreta Foundation in December 2023 for this project.



Entrepreneurship grants

Bastien Fabre (\$ 2023)

IRIS LAB (ex- Heliosphère)

A start-up project to develop and market a wireless power transmission solution for the continuous supply of autonomous systems. Iris Lab's ambition is to free future autonomous systems from cumbersome energy storage, enabling their operators to dedicate their system's full capacity to the mission.



Thanks to the Foundation's funding, we were able to set up an ambitious Entrepreneurship Innovation Project that mobilised a group of students for 6 months and enabled them to apply their technical skills. Without this support, which preceded all the others, development would have taken longer and we wouldn't have finished on time. This prototype and the brand image provided by the Foundation's support help us on a day-to-day basis and raise the profile of the Institute with our current partners.

Bastien Fabre, S 2023

Diversity and Sociale Openness



by private donations

The ISAE SUPAERO OSE equal opportunities programme is funded mainly by the public authorities and GIFAS. Awarded the Cordée de la Réussite label in 2009, the programme aims to promote and encourage access to higher education for all by encouraging success through hard work. This programme programme has been supported by the Foundation since 2015.

OSE L'ISAE-SUPAERO



Key figures

school year 2023-2024

36 partner institutions

35 scientific, technical, cultural and sporting projects

4 000 secondary school students raised awareness,

including 1075 secondary school students supported

30 visiting days at ISAE-SUPAERO

5 themed holidays

150 students

50 ISAE SUPAERO staff involved in the programme

50 alumni taking part in the programme on an ad hoc basis

5 campus events



OSE INGÉ



Since 2022, the Ouverture Sociale Étudiante programme has been joined by the OSE inGÉ scheme for students in preparatory classes for the grandes écoles (CPGE). This scheme provides personalised support for girls and scholarship-holders throughout their preparatory school career to help them build their future plans and develop their scientific ambitions.

Key figures

school year 2023-2024

79 CPGE students supported

6 partner schools

3 immersion stays

76 ISAE-SUPAERO and ENAC alumni mentors





Solidarity fund



The health crisis of 2020-2021 highlighted the situation of the most vulnerable students on campus. In 2022, the Student Solidarity Fund was made permanent to support students facing a change in circumstances or suddenly finding themselves in need.

In 2023, **food vouchers alone supported 20 students to the tune of €13k** throughout the year. The remainder of the support was in the form of housing assistance, measures to combat menstrual insecurity and payment of tuition fees.

In June 2023, a meeting was organised for donors to the Student Solidarity Fund. Jeanne Jault, Head of the ISAE-SUPAERO Student Office's Solidarity Department, shared her experience and the words of students who have received support:

A beneficiary explains: « This support has instilled in me a sense of resilience, determination and gratitude. It's thanks to the generosity of donors like you that students like me can overcome adversity and succeed academically. »

Jeanne Jault also adds that « occasional financial worries can arise suddenly, and the aid provided by donations to the Foundation can quickly relieve the situation, allowing them to concentrate more calmly on their studies without having to carry an extra burden. »

International openness



With 116 partner universities in 35 countries, ISAE-SUPAERO's students and teacher-researchers contribute to the Institute's international reputation and attractiveness. In 2023, 20 students received a grant from the Foundation for an international mobility project.

Hosting foreign students

Engineering curriculum

Daniel Zayat

of Lebanese nationality 2nd year of the double degree engineering course

Master's programme

Katherine Mulry

of american nationality 1st year of Specialised Masters

Excellence scholarships for degree courses abroad

The Project Selection Committee, in association with Jean L. Lamy, Honorary Donor Member of the Cercle Jules Verne, which funds scholarships for excellence in training leading to a degree in North America, have selected the following 9 students.

Lin Al Atik

stay at Georgia Tech (USA)

Jean Barreto

stay at Polytechnique Montréal (Canada)

Nicolas Bonnefoy

stay at KTH (Sweden)

Amine Bouzerzour

stay at TU Munich (Germany)

Loïc Jannin

stay at UC Berkeley (USA)

Quentin Largeron

stay at KTH (Sweden)

Clément Lopez

stay at Imperial College (England)

Hugo Mouton

stay at Polytechnique Montréal (Canada)

Adrien Tison

stay at Polytechnique Montréal (Canada)

International conferences

Participation in the PEGASUS student conference

from 14 to 15 April 2023, in Rome

Robert Di Giuseppe

ISAE-SUPAERO 2022

Catarina Lobo

Master Aerospace Engineering 2022

Enrico Tormena

Master Aerospace Engineering 2022

Participation in the 33rd AAS/AIAA Space Flight Mechanics Meeting in Austin

from 14 to 19 January 2023

Sara Galzignato

Master Aerospace Engineering 2023

Organisation of the Resonance Conference at ISAE-SUPAERO

from 10 to 13 July 2023

Guilhem Michon

Director of research in structural dynamics at ISAE-SUPAERO

Participation in the IAC conference

from 2 to 6 October 2023, in Baku

Damien Baclet

ISAE-SUPAERO 2024

Giovanni Lodia

ISAE-SUPAERO 2024

Pier-Lorenzo Murra

ISAE-SUPAERO 2024

Giuseppe Oliva

ISAF-SUPAFRO 2024





The support of the Fondation ISAE-SUPAERO has enabled me to realise my dream of taking part in an international academic conference, which will certainly have a significant impact on my life and career. Without their help, this opportunity would have been very difficult to realise. I am grateful for the help of the donors and hope that their generosity will continue to support the Institute and its students in the future. Thank you for your support.

Sara Galzignato, S 2023



Extra-curricular projects



Every year, the ISAE-SUPAERO Foundation awards grants for extracurricular projects to encourage and support students wishing to learn and experiment through extracurricular projects and/or projects carried out in ISAE-SUPAERO student clubs.



The PHOENIX team representing ISAE-SUPAERO took part in the Dassault UAV Challenge organised by the Dassault Aviation Group. The team of 6 students selected for the final, held on 29 and 30 April 2023, presented their project for the delivery of medical equipment by drone and won first prize in the challenge.

Basc project

A team of 7 students has launched a project to help reduce the environmental footprint, particularly the carbon footprint, of student activities. They are developing a web interface to share their carbon footprint calculator with other grandes écoles.



MDRS 275

A crew of 7 students set off on a similar Mars mission in the Utah desert. The objectives are to understand the challenges and constraints of manned spaceflight and to advance research on our own scale by carrying out various experiments in conjunction with the ISAE-SUPAERO OSE programme. This year's mission lasted 4 weeks, a first for missions taking place at this base.

SUPAERO DRONE SECTION

The Design, Built, Fly competition was held in Tucson, USA, from 13 to 16 April 2023 on the theme of «Electronic Warfare». This competition consists of the design, manufacture and flight testing of an aircraft subjected to several missions around the announced theme. The SUPAERO DRONE SECTION club presented its RadiOwl project at the competition, for the first time in 4 years.



1200 étudiants qui s'affrontent dans un esprit de cohésion, d'équipe et de respect. En 2023 Toulouse accueillait l'événement créant une association commune entre l'ISAE-SUPAERO, l'ENAC et le CREPS.

Proiet solidaire

Un équipage de 8 étudiants en formation d'ingénieur en apprentissage (FISA) ont souhaité prendre part à la réalisation d'une mission de solidarité internationale. Ils ont créé l'association ASSFA (Association Solidaire Supaero FISAltruiste) afin de pouvoir rejoindre un projet solidaire qui se déroulera en Afrique en partenariat avec une ONG française afin de résoudre des problèmes d'accès à l'eau.

AIREXPO

Une équipe composée d'une guarantaine d'étudiants de l'ISAE-SUPAERO et de l'ENAC sont chargés de l'organisation de la 37^e édition du meeting aérien annuel sur l'aérodrome Muret-Lherm le 13 mai 2023.

Our highlights



Women's Campus days with OSE ISAE-SUPAERO

ISAE-SUPAERO welcomed 150 middle school girls and 80 high school girls to two events co-organised by the Cordée OSE l'ISAE-SUPAERO and the Association ISAElles. Coming from partner schools in the ISAE-SUPAERO OSE programme, the girls were able to discover the engineering profession through the testimonies of women with inspiring careers, and to take part in workshops on deconstructing gender-related prejudices in scientific studies with the Association Femmes et Sciences.



12th Excellence Talks at ISAE-SUPAERO

Organised by the Student Social Opening team on the ISAE-SUPAERO campus, these information and career guidance meetings gave more than 900 secondary school students the opportunity to talk to female professionals with inspiring career paths, and to find out more about different sectors and professions.



4th annual annual awards ceremony

25 scholarship holders were honoured for the year 2023 during this evening in the presence of Abdoulaye Samba (S 1977), Grand Témoin of the evening and Julie Devaux (S 2020), godmother of the ceremony. Many thanks to them for attending.



OSE L'ISAE-SUPAERO Day with Sophie Adenot and Arnaud Prost

As part of the ISAE-SUPAERO Cordée de la réussite OSE Space Course, students slipped into the shoes of budding astronauts to carry out various missions throughout the day.



OSE L'ISAE-SUPAERO projects feedback dav

The Cordée de la réussite OSE L'ISAE-SUPAERO feedback day took place on the Paul Sabatier University campus. Like every year, this is a day eagerly awaited by all the students in the Cordée, and marks the end of the tutoring year. For a year, the classes have been working on different projects, and this is an opportunity for them to present them.



webinar with members of the Student Solidarity Fund.

This event with the actors of the Student Solidarity Fund created by the Foundation encouraged exchanges between the actors of solidarity and the donors of the Foundation, on the context, the actions and the perspectives of the axes supported through their donations.

21-23 JUN

Le Bourget air show

The entire team of the ISAE-SUPAERO team was present at the Paris Air Show for several noteworthy events:

- A OSE L'ISAE-SUPAERO delegation, made up of high school girls, CPGE students, teachers, student volunteers, young alumni and mentors, were welcomed by the Dassault Systèmes Foundation at the 3DS Paris Campus (Vélizy-Villacoublay).
- A round-table discussion on «Women in aeronautics training and careers» (with the ENAC Foundation).
- An «OSE» conference: «Dare to act for more women in aerospace».

12 OCT

7th patron-scholar meeting

On 12 October 2023, for the 7th consecutive year, the ISAE-SUPAERO Foundation organised a meeting between representatives of sponsoring companies and scholarship holders on the ISAE-SUPAERO campus. Around twenty international students, beneficiaries of excellence grants awarded as part of a chair or a specific programme financed by a company or by the Foundation, were present at this meeting.

21-23 OCT

Launch of the 2nd edition of the OSE ingé programme

On 21, 22 and 23 October, the first immersion course of the year was held for the mentees of the OSE inGÉ programme. This year, 74 CPGE students were welcomed to ISAE-SUPAERO, CREPS and ENAC. They included the class of 2022-2024, currently in their 2nd year, and the new class of 2023-2025, fresh from their preparatory classes.



On 9 November, the new season of the Cordée de la réussite OSE L'ISAE-SUPAERO was launched: 46 Year 10 students spent the day on the Campus. The event marked the start of tutoring for the class of 2023-2026, who will be followed until they obtain their baccalauréat.



Presentation of the Thesis Prizes and the Jean Pierson 2023 Prize

On 8 December 2023, the Foundation awarded 6 Thesis Prizes and the Jean Pierson Prize to Elena López-Contreras Gonzalez at the ISAE-SUPAERO Awards Evening.

The evening also saw the presentation of the Lopez-Loreta Prize by the Jean-Jacques and Felicia Lopez-Loreta Foundation to Joseph Risson for his Viraj H2 project (2023 Young Entrepreneurship grants).





corporate sponsors

The Foundation supports the Institute in the creation of research and/or teaching chairs. In 2023, 26 corporate sponsors supported 4 chairs, 2 programmes and other projects.

Chairs

Chair in Human Factors and Neuro-ergonomics for Aviation Safety

> Supported by the AXA Research Fund

Advancing research into human factors and, more specifically, human-machine interfaces, with the aim of improving air safety.





The AXA Chair in action this year is:

- 1 Neuroergonomics and cognitive engineering» conference track at the AHFE2023 conference
- 3 publications in journals
- 1 publication at conferences

Advanced Space concepts Chair (SacLab)

> Supported by Airbus Defence & Space, ArianeGroup

Develop the study of future space concepts from a systems and architecture perspective through research and teaching projects. These projects draw on a wide range of areas of expertise: systems engineering and architecture, mission analysis and optimisation, human factors and robotics.





Chair for Eco-Design of Aircraft (CEDAR)

> Supported by Airbus

Contribute to the sustainable development of air transport by working on the definition and evaluation of innovative transport aircraft concepts, including the introduction of innovative technologies into aircraft design.

AIRBUS

The CEDAR Chair in action this year is:

- 3 major programmes
 - → Environmental Engineering Certificate Programme (CIE)
 - → International Excellence Scholarships programme with 6 new winners (4 students for the Master International in Aerospace Engineering MAE and 2 students for the ISAE-SUPAERO engineering course)
 - → Research programme aimed at proposing technological developments that will contribute to the implementation of air transport solutions that will reduce its ecological footprint. 6 theses are currently being prepared.

In 2023, the Chair also made it possible to host **3 internships to support research topics**

The Saclab Chair in action this year is :

- 12 publications in A-ranked journals
- 17 additional papers from conferences without proceedings
- 3 thesis
- 1 18-month post-doctorate on interplanetary trajectory optimisation and development of the Simpy tool

chair in Cognitive Air Systems Design and Architecture (CASAC)

> Supported by Dassault Aviation

To promote high-level academic and professional teaching and research at ISAE-SUPAERO in the field of highly autonomous decision-making systems with humans in the loop.



The CASAC chair in action this year is:

- 6 publications in journals
- 5 papers presented at international conferences in 2022-2023
- 1 thesis supported by ANITI (2020-2023), defended on 12 June 2023
- 2 projects launched:
 - → MINERVA Mixed-Initiative Interraction: profile-based adaptative decision-making) which aims to study metrics to characterise the efficiency and fluidity of online collaboration between operator and machine.
 - → HAICO Human-Artificial Intelligence COllaboration) which aims to study the role of human behaviour in reinforcement learning during a collaborative human-artificial intelligence task..
- 1 impact on training:
 - → The air systems architect course, launched in 2018 and still offered to engineering students
 - → The Neuroergonomics and Artificial Intelligence (Neuro&IA) application area has been offered to engineering students since 2020 and trains around 30 students a year.
 - → The human-computer interaction data acquisition platform is now being used as a case study for engineering students in the Neuro&IA application area.

Chair in Design and Certification of Innovative Architectures for CS-23 Aircraft (ISAAR)

> Supported by par Daher

Contribute to building a low-carbon aeronautics industry by strengthening high-level research into the design and certification of CS-23 category aircraft.

DAHER

The ISAAR Chair in action this year is:

- 2 thesis
- 1 recruitment of research engineer & doctoral student as «Electric aircraft» lecturer-researcher
- 3 publications in journals
- 3 student internships to improve the FAST-OAD-GA tool

The FAST-OAD-GA platform (Future Aircraft Sizing Tool – Overall Aircraft Design – General Aviation) Multidisciplinary Design, Analysis and Optimisation (MDAO) dedicated to CS-23 aircraft, developed within the framework of the Chair, has been extended to the design of electric and hybrid-electric aircraft in 2022. Its level of maturity then enabled it to be extended to students, who launched projects with links to industry.:

- → in MS TAS AERO with Daher on the Kodiak 100/900 aircraft
- → in PIE 3A with ELIXIR AIRCRAFT on the Elixir aircraft

A simplified user interface for use in teaching aircraft design has also been developed.

Programmes

ISAE Group programme

- > Supported by GIFAS
- > Partners: ISAE Group schools



To promote high-level academic and professional education in Europe in the field of aerospace systems. This support makes it possible to finance projects run by the ISAE Group in three main areas: training, promotion of professions among young schoolchildren and students, and social assistance for students. This programme also contributes to the ISAE-SUPAERO OSE programme.

The ISAE Group programme in action this year is :

 Digital Learning: a thematic committee has been set up to structure the Group's Digital Learning activity to support the digitisation of teaching and the development of innovative teaching methods.

A Digital Learning seminar was held on 11 October 2023 at ISAE-SUPAERO

- Development and influence of the ISAE Group by setting up various initiatives to facilitate links between the Group's schools (aviation mobility and energy transition week, Espace seminar, inter-school debating), the ISAE Group's forward-looking seminar and the ISAE Group's participation in the 2023 Paris Air Show.
- Roll-out of a new apprenticeship-based engineering course
- Social assistance for students
- «Student Social Opening» programme





Programme of Excellence for India and Indonesia at ISAE-SUPAERO

> Supported by MBDA



Contribute to the international attractiveness of ISAE-SUPAERO and strengthen the skills of young students and professionals for the benefit of the Indian and Indonesian aerospace industries.

The MBDA programme in action this year is:

 1 excellence scholarship, the last in the current agreement, awarded to an Indian student on the MAE (Master in Aerospace Engineering) programme



but also



In support of the **Défi Mermoz project**



In support of 2 priorities:

- the **ALL XR Droject** for « Aerospace Learning Lab with Cross Reality »
- Student Social Opening programmes, in particular Campus au féminin (OSE l'ISAE-SUPAERO) and OSE ingé.

Parrot





LP PRO

VERDIÉ AUTOCARS

SOTEL

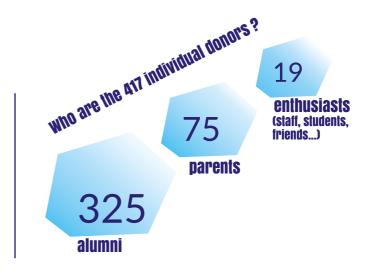
VECTOR FRANCE

You, donors

Key figures for 2023

417 individual donors

including
47
new donors



Average donation per donor

650€

with a minimum donation of €20 and a maximum donation of €65,000



Top 5 of promotions with the most of donors

Your testimonials

When my son was a student at ISAE-SUPAERO in 2022 he received support from the Foundation for help with a club. They were able to go to the United States to carry out their project, and it seemed obvious to me to give back, not for my son, but for the other students after him.

Caroline Quenu, parent d'élève



It was thanks to public education that my mother, born from a modest family, was able to become a teacher before the war and rise socially. Equality of opportunity is therefore for me a major issue that I defend through my donation as I have done throughout my life. For me, being a donor also means being an actor in the destiny of your school. Beyond financial means, I also wanted to give time to give back what I received and support the school allowing the emergence and leadership of an entire sector of excellence recognized worldwide.

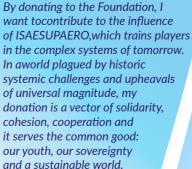
While remaining very attached to the X which «gave me a foot in the stirrup» by giving me the basics, the real profession of aerospace engineer is at SUPAERO that I learned it. For these reasons I want to support the ISAE-SUPAERO Foundation.

Jean-Louis Marcé, S 1971

é, \$ 1971

student for almost all of my higher education. As a student, it allowed me to do a lot of things. When I had a stable permanent contract with a good salary, I asked myself the question of being able to give back. The purpose of my donation to the Foundation is that it can also be used for OSE l'ISAE-SUPAERO in which I was quite involved as a student, with tutoring. If I give, it is to give back in part what I received.

Lucas Hervier, S 2020



Frédéric Barthe, S 1992





NAMING

Strengthen your Impact at ISAE-SUPAERO with Naming

Giving your name is more than just a mark of recognition: it is a legacy. By choosing naming, you link your name or that of a deceased comrade to the excellence and innovation of ISAE-SUPAERO.



Découvrez les multiples options de naming que nous offrons et comment elles peuvent s'adapter à vos aspirations philanthropiques. Contactez notre bureau du développement pour en discuter.

Pour plus d'informations : **Laurent Juillard**, directeur adjoint du développement juillard@fondation-isae-supaero.org 05 61 33 83 17. Naming offers a unique opportunity to meaningfully support our students, programs, and the Institute while receiving notable recognition. Whether naming a space on campus, funding a scholarship, or creating a new program, every contribution leaves a lasting mark.

Thesis room chair André Flourens (\$ 1952) :

Thanks to the generosity of Alain Flourens (S 1982), son of André Flourens (S 1952), our students benefit from a significant additional long-term commitment to their academic, club or research projects through our Project Selection Committee.

« After preparing the school's move to Toulouse, my father was its first Deputy Director. It was September 1968, the first class arrived, I was 11 years old and I played by throwing model airplanes from the hill of the villa on the campus. I developed my taste for aeronautics there. My father then succeeded Marc Pélegrin as General Director from 1978 to 1985. Through this naming, I wanted to pay tribute to him, leave a mark and allow it to live on for future generations.»

Alain Flourens

Thank you

To the 417 individual donors who made a donation in 2023.

Jules Verne circle

Honorary members

Jean Lucien LAMY - S 1971

Benefactors

Alain BERNARD - S 1972

Ftienne DFFFARGES - S 1979 *

Philippe FORESTIER - S 1974

Florent MOÏSE - S 1995 **

Benoît PETIT - S 2001

Hélène Boucher circle

Benefactors

Véronique LACOSTE

Thierry PARDESSUS – S 1982

Friends

Stéphane ALBERNHE – S 1991

Jean-Marie BÉTERMIER - S 1986 Edwige BONNEVIE - S 1978

Lionel DE LA SAYETTE - S 1979 François DECOURT - S 1993

Alain FLOURENS - S 1982

Bertrand GEORGE - S 1983

Janine LANSHERE

Jean-Louis MARCÉ - S 1971

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Sébastien THIEBAULT - S 2000 *

lean-Claude VANNIER - S 1976

Members

_aurent BARON - S 1984

Charles CHAMPION - S 1978 Philippe CLAR - S 1987 Jacqueline COHEN-BACRIE - S 1981

Jean-Bernard DEBRUNE - E 1980

Jean-Luc FOURNEAU - S 1966 ∞

Vincent GUERMONPREZ - S 1982 Robin GUERS - S 2013 *

Jean-Paul HERTEMAN - S 1975

Xavier LAGARDE - E 1972 Thanh-Tâm I Ê

Didier MAURICE

Paul RAGETLY - S 1966

Georges SALESSY - S 1960

Anonymes (2)

Robert Esnault -Pelterie circle

Benefactors

Jacques BALDECK - S 1985 Philippe BARTISSOL - S 1987 Alain BASSIL - S 1978M Jean BESSE Patrick BIANQUIS - S 1972 Jean-Jacques BILLANT - S 198 Christophe BIZOT Dominique BONCORPS - S 1966

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Erick VAN AELST - S 1980 Philippe VIMONT - E 1973 Michel VINCENT - S 1982M Baptiste VIVIEN - S 2008

Emmanuel ZENOU - S 2004D

Anonymes (8)

Friends

Loïc AGHA MOLLA DIT VANCE François ALLARD - S 1981 Jean-Philippe ANDRIEU Robert ARNAUD Gilles ARNAUD - S 1988

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Hervé CASTEL - S 1971
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Patrick DE LABROUHE DE LABORDERIE - S 1967
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Samia DEMRI - S 1997
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Quentin DEROUBAIX - S 2015
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Francis DORVEAUX - S 1976
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Thierry DUHAMEL - S 1978
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Pascal GAUDIN - E 1988 Matthieu GRUSON - S 2015 Matthieu GRUSON - S 2015 * Alfredo GUIJARRO Valérie GUILLEMET - S 1988 Jean-Pierre GUYOT - S 1966 Jean-François HAAS - E 1975 Stéphane HERMASZEWSKI Huu Nghia HOANG - I 2012M Laura HOINVILLE - S 2014 * Guillaume HUBERT - S 2000

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Philippe LABEAUTE - E 1977
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Gérard LARUELLE - S 1970
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Thibault LAVILLE - S 2016
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Cécile LE MORLEC
Pierre LE TORRIVELLEC
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Jean-Baptiste ODET - S 2016 Simon OLIDIN - S 2010

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Gilles TALLET - S 1971

Anatole VERHAEGEN - S 2016 Sébastien VERLINDE - S 2000 Sophie VERZAT-ÖBERG - S 1985M Jean-Philippe VEZINE Frédéric VIALLE - S 1984

Remy Zawislak - I 2021 *

Anonymes (23)

Members

Raphaële ASTIER

Bala Jean-Philippe BAKASSA TRAORE - S 1986D Vandita BANKA - I 2014M Quentin BECKER - I 2019 Yves BEGUIN Emmanuelle BEYLIE-VIGIER Yannaël BILLARD - S 2004 David BITTON - S 1995 Jérôme BONHOMME - E 1996 Alexandre BOTTERO - S 1993 Stéphane BRANGER - S 1992 Jean-Baptiste BRELLIER - S 2006

lean-Pierre CARATY - S 1985 Françoise CASES - S 1992 Didier CHAMPAGNE
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Philippe CHOIN
Joël CHOISNET - E 1968
Léo CLAUZEL - I 2021
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Laurent COLOMER
Carla & Floriano CONGAR-SCALABRIN
- I 2018M
Myriam CORET
Cécile COUDROY - S 2007
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Jean-Claude CUISINE-ETIENNE

Eric DALBIÈS - S 1992
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Myriam DAVIDOVICI
Marlène DE BANK - S 2016
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Guillaume DUSSARDIER - S 2003

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Claude FAVRE - E 1967 Alain FINET - S 1971 Laurent FRANCOIS - S 2018 Gérard FRUT - S 1973

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Jean-François VERON - S 1988 Alain VINAS Guillaume VUILLERMOZ - S 1992

Jean-Marie WAGNER

Nadia ZERELLI - I 2008M

Anonymes (19)

Thank you!

A huge thank you to you, donors, patrons, alumni, friends and parents: your donations are crucial and help increase our impact tenfold.

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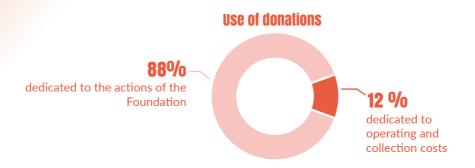
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VISIT THE DEDICATED WEBSITE:www.friendsofisae.com

Financial report

As of December 31, 2023



condensed income statement

	2023	2022
Operating income and exceptional income	3 120 317 €	3 200 428 €
Donations from companies, institutions and others	2 848 836 €	2 597 927 €
Donations from individuals	271 481 €	598 916 €
Financial products	182 677 €	209 662 €
TOTAL AVAILABLE RESOURCES	3 302 994 €	3 410 090 €
Operating expenses and exceptional expenses	- 3 032 481 €	- 3 934 577 €
Actions of the Foundation	88 %	89 %
Operating and collection costs	12 %	11 %
Financial charges	- 95 370 €	- 152 907 €
TOTAL CHARGES	- 3 127 850 €	- 4 087 483 €
Evolution of dedicated funds	- 180 611 €	559 357 €
RESULT	- 5 467 €	- 118 037€

Summary report

Active	2023	2022
VMP and savings	1 813 197 €	2 009 740 €
Availability	1 148 321 €	832 679 €
Other assets	65 575 €	116 986 €
TOTAL	3 027 093 €	2 959 405 €

Passive	2023	2022
Equity and reserves	1 159 400 €	1 164 867 €
Provisions and dedicated funds	1 632 190€	1 447 495€
Debts and other liabilities	235 504 €	347 043 €
TOTAL	3 027 094 €	2 959 405 €

2022

Governance

as of December 31, 2023

Office members



Stéphane Albernhe (S 1991) *President*



Olivier Lesbre (S 1990) *Vice-President*



the Foundation: thank you to them.

Jacqueline Cohen-Bacrie (S 1981) *Secretary*



Arthur Séjor (S 2009) *Treasurer*

College of Founders

Jacqueline Cohen-Bacrie (S 1981)
Representative of ISAE-SUPAERO-ENSICA Alumni
Jean-Pierre Devaux
Representative of the SAE
Olivier Lesbre (S 1990)
Representative of ISAE-SUPAERO

Bruno Sainjon *Representative of ONERA*

college of qualified personalities

Stéphane Albernhe (S 1991) President of ARCHERY STRATEGY CONSULTING

Isabelle Bloy (S 2001) AIRBUS
Thierry Fautrel (S 1086) DASS

Thierry Fautrel (S 1986) *DASSAULT AVIATION*

Pierre Fossier THALES
Pascal Picavet (S 1990) SAFRAN
Lionel Suchet CNES

college of friends

Philippe Dujaric (S 1976) GIFAS Arthur Séjor (S 2009) ARCHERY STRATEGY CONSULTING firm

Advisory committees

Financial committee

Jean-Yves Helmer, President, H Investissements Conseil Xavier Lagarde, member of the SAFRAN Board of Directors

Jean-Louis Marcé, active volunteer of the Foundation, former Director of the Center CNES Guiana Space

Pascal Picavet, Head of Mergers and Aquisitions, SAFRAN

Arthur Séjor, Foundation ISAE-SUPAERO, Treasurer

Government Commissioner

The governance of the Foundation is ensured in a rigorous and transparent manner by a board of directors which elects an office from among itself and

relies on the opinions of two advisory committees. The administrators and committee members intervene on a voluntary basis in the administration of

Prefect of Haute-Garonne / Préfet de la région Occitanie represented by Marianne Peyrot, Academic Region Director for Research and Innovation, Occitanie Academic Region.

Project Selection Committee

Bruno Darboux, (S1985) VP Systems Strategy program Engineering, AIRBUS

Bruno Fargeon, (S 1988) Head of A350 development, Engineering, AIRBUS

Thierry Fautrel, (S 1986) Deputy system technical director, DASSAULT AVIATION

Marc Gatti, Directeur Avionics Research & Technology and Academics-Associate Professor, THALES AVIONICS

Jean-Louis Marcé, (S 1971) Active volunteer of the Foundation, former Director of the Center CNES Guiana Space

Éric Portejoie, (S 1987) Director of Strategy Military Engines, SAFRAN

Arthur Séjor, (S 2009) Treasurer of the Foundation ISAE-SUPAERO et rapporteur du CSP auprès du CA

The team

as of December 31, 2023

Under the authority of the Board of Directors, the operational functioning of the Foundation in 2023 was ensured by a permanent team of 9 employees, including 5 people in charge of leading the Student Social Opening programs OSE l'ISAE-SUPAERO and OSE inGÉ.



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Communication manager
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Project manager for OSE l'ISAE-SUPAERO
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Julie Devaux
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Emilie Teyssedre
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