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Words of Welcome & ESCRS' activities and aim





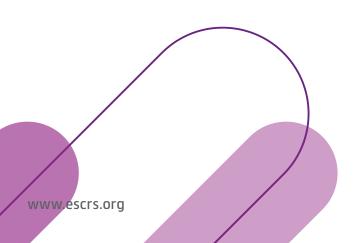
Words of Welcome



Welcome by the President: Filomena Ribeiro Looking back at 2023 and vision for 2024



Welcome by Chair of the Trustees: Roberto Bellucci ESCRS and its activities







The ESCRS Aim

To be the leading society and charity for anterior segment surgery worldwide.

ESCRS is determined to improve ophthalmic care for patients both in Europe and globally and work tirelessly on behalf of members through funding ground-breaking research, innovation, education and providing first-class professional development.

ESCRS has the ambition to be the principal professional community and the most trusted and independent reference source for all ophthalmic surgeons and healthcare professionals in the field of cataract and refractive surgery.

ESCRS is especially engaged with ensuring the best patient care and makes significant charitable investments in research in Europe and clinical programs in the Middle East and Africa.

In 2024 and beyond ESCRS shall continue to pursue five main strategic objectives:



Member Services

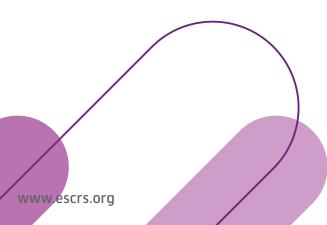








Ensuring governance and organisation are of the highest standard



Thank you!

ESCRS is very thankful to the hard and dedicated work of all its volunteers. If you are interested to find out who they are, please click here for a list of the Council of Management and here for a list of all committees.

Membership & Statistics



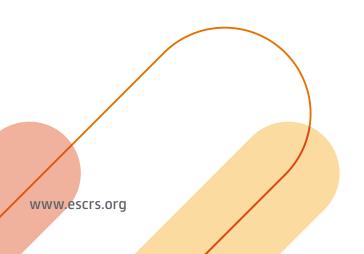


Membership Overview



Representing over **7,000 members** from **130 countries** world-wide.

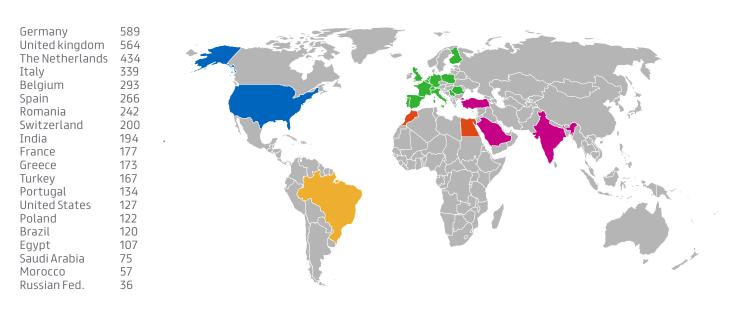
Should you wish to know more about joining ESCRS as a member, click **here**.





Membership Statistics

Top 20 members per country in 2023





Current Total Members

7,097

ESCRS is thankful for the close cooperation with its 23 European affiliated national societies. Click **here** for a list of all Affiliated Societies.

Education & Highlights





Education Highlights

In 2023, three 45 minute Eye JC and eConnect webinars were organized with hundreds of viewers.

Please click **here** for more information.



iLearn portal:

The iLearn portal has over 20 modules covering training on cataract surgery, clinical and surgical aspects of the cornea and the physics of the passage of light through the eye and human visual function. Students can claim 1 CME point per successful module completion. The FEBOS Cataract exam 2023 was held during the Annual Congress in Vienna on Thursday, 7 September 2023 in close cooperation with the EBO.

9 candidates successfully passed their exams and are now certified.

Please click **here** for an overview of all FEBOS CR alumni.

Clinical Guidelines development

The ESCRS Guideline Development Group are nearing completion of highly important Cataract and Refractive Guidelines and anticipate for publication in late 2024. A total investment of €250k has been allocated to this initiative.

The Peter Barry Fellowship Award 2023 of €60k was provided to Dr Jascha Wendelstein Kepler University Hospital Linz, Vienna, Austria. The award is given to allow a trainee to work abroad at a centre of excellence for clinical experience or research in the field of cataract and refractive surgery, anywhere in the world, for 1 year.



World leading educational platform

The ESCRS has devised a 3-year strategy to bring thewealth of existing and future educational content to its membership in a more personalised, accessible and engaging way. Work has begun on designing this exciting new world leading platform.





In 2023, ESCRS released a new IOL calculator which integrates 4 online calculators. The ESCRS IOL calculator is a web application for IOL power calculations using multiple modern formulas simultaneously through a real-time integration with partner tools (by web scraping or API integration). The IOL calculator has about 450 users per day.

More information via this **link** and see screenshot below.

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EVO A-Constant	(i)	Hill-RBF A-Constant	(i)	EVO A-Constant	(i)	Hill-RBF A-Constant	í
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2 ESCRS 16-hour educational Masterclasses were organised in 2023 on MIGS and Complex Cataract in the lead up to and at the 2023 Annual Congress.

The students joined on each Masterclass engaged in mentor guided didactic workshops, interactive live webinars, in-person case grand rounds and in-person wetlabs/drylabs.

The goal was to improve practice patterns, clinical outcomes and significantly grow the number of patients treated in each field.

Click **here** to read more about this program.

Additional Masterclasses are planned for 2024.



The 2023 Leadership and Business Innovation weekend took place on 7 & 8 October in Frankfurt.

26 participants enjoyed the two-day programme focussed on Leadership and Finance, delivered by keynote ESCRS speakers and leading business innovation consultants.

More information can be found **here**.

The ESCRS Moving Simulator has been hosted in 7 institutes and trained ~200 students. ESCRS is providing an Eyesi Surgical Cataract Simulator to those affiliated National Societies who have need of better access to this highly useful training equipment. The simulator is hosted by the National Society in that country to allow its membership time to complete a bespoke ESCRS curriculum. Get in touch with your National Society to see if you can take part in this brand new ESCRS initiative. More info **here**.





Moving Simulator

Marked in green are those countries that already have or will soon host the simulator; Countries that have a cross do not have a requirement for the simulator at this time.

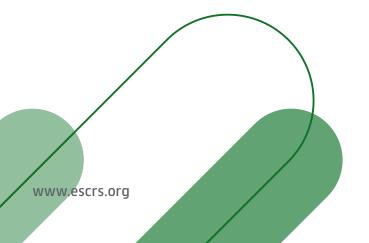


In 2023 IME programme grants on multiple therapeutic areas, including refractive IOLs, phaco technique for complex cases and corneal refractive surgery, were completed.

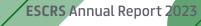
A total of 33 educational tactics within these grant programmes were developed including in person / hybrid symposia, EuroTimes print / digital supplements, and on-demand learning through video interviews, podcasts and eLearning modules available on the ESCRS Education Forum.

Outcomes assessed before, after and in follow-up surveys demonstrate statistically significant changes in clinical opinions and practice patterns with the majority of learners making meaningful changes to their practice as a result of these educational interventions.

These independent programmes were supported by unrestricted medical education grants from Alcon, J&J Vision, Zeiss, Schwind and B+L. Combining the learners from all tactics we estimate to have reached delegates over 10,000 times with these impactful programmes.







Education Overview

ESCRS aims to provide world-leading educational opportunities to its membership in a trusted, effective and sustainable manner. Content is drawn from the ESCRS Winter and Annual Congresses, EuroTimes interviews and articles, past webinars, online eLearning modules, accredited iLearn modules, Academies and Masterclasses. ESCRS also provides exclusive in-person learning opportunities to help its membership excel in their field through continued learning and development.

Some of our Education highlights in 2023

15 ESCRS sessions during related academies

Emirates Society of Ophthalmology	SUO, Ukrainian National Society	ArSCRS, Armenian Society of Cataract and Refractive Surgeons	BSCRS, Belgian Society of Cataract and Refractive Surgeons	
03-05/02, Abu Dhabi, UAE	04-05/03, Virtually, Ukraine	24/04, Virtually, Armenia	22/04, Brussels, Belgium	
FSCRS, Finnish Society of Cataract and Refractive Surgeons	ASCRS, American Society of Cataract and Refractive Surgeons	SOE, Slovenian Ophthalmology Society	ÖOG, Austrian Ophthalmology Society	
05-06/05, Vierumaki, Finland	05-08/05, San Diego, USA	11 - 15 /05, Bled, Slovenia	19/05, Schladming, Austria	
UKISCRS, UK & Ireland Society of Cataract and Refractive Surgeons	BRASCRS, Annual Society Meeting (Brazillian division of the SCRS)	35th APACRS, Asia-Pacific Association of Cataract and Refractive Surgeons	SOE, European Society of Ophthalmology	
22/05, Birmingham, UK	24-27/05, Sao Paulo, Brazil	08-10/06, Singapore, Singapore	15-17/06, Prague, CZ	
16th Aegean Cornea & Cataract SocietyCOECSA, The College of Ophthalmology of Eastern Central and Southern Africa		AAO, American Society of Ophthalmology		
30/06-02/07, Greece 23-25/08, Mombasa, Ken		03-06/11, San Francisco, USA		

More information about the ESCRS global activities can be found via this link https://www.escrs.org/meetings-and-events/global-reach/

Annual Congress & Winter Meeting





The 2023 Annual Congress was held from 8-12 September in Vienna. The total attendance was 15,635, including 8,578 doctors, 368 healthcare professionals, 717 nurses/technicians, and 5,449 industry representatives – from 128 countries in total - along with 523 doctors and healthcare professionals attending virtually.



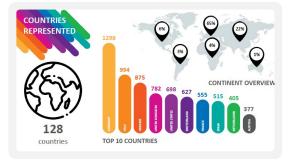
Industry was very well represented with 270 exhibitors and 26 industry symposia. Following a successful launch last year, the **ESCRS iNovation Day** was held again in 2023 and brought together clinical and business experts from across Europe and other parts of the world. Sessions focused on the most urgent clinical needs and barriers to success in anterior segment care and how the latest technology innovations may address those barriers and clinical needs within the next 5-10 years.

ESCRS Annual Report 2023

The Vienna 2023 photo albums and highlights video are available via this **link**.









Congress Awards were provided to:



Binkhorst Medal Lecture 2023:

Corneal Regeneration: The Future of Corneal Surgery

by Jorge L. Alió, MD, PhD, FEBOpthhal



ESCRS Heritage Lecture 2023:

The Enigma of the Anterior Interface

by Marie-José Tassignon, MD, PhD, FEBOS-CR



The 26th ESCRS Winter Meeting was held from 18 to 20 February 2023 in Vilamoura, Portugal.

1,311 delegates joined the meeting from 69 countries.

The congress was organized in collaboration with the Sociedade Portuguesa Oftalmologia (SPO) and the Portuguese Groups of Cataract and Refractive Surgery, Ocular Surface, Cornea and Contactology (CIRP).

Thank you to all the ESCRS industry partners! Please **click** for the full list.

Research Awards & Registries



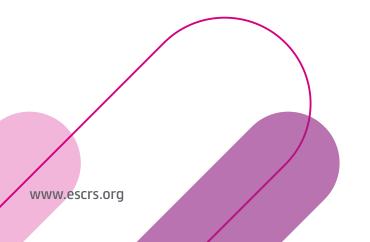


In 2023, the Research Committee's most significant accomplishment was the development and approval of the Research Committee operating policy to guide the work of the Committee. The other important item was to provide guidance for the clinical research funded by the ESCRS and ensure that the investment in research provides a benefit to the society's membership, the wider ophthalmic community and patients.

With this new policy in place, the committee focused its work on the new Systematic Research Awards, awarding six new awards in 2023, as well as the Pioneer Research Awards, with strong responses received for both calls. This past year saw the initiation of several key research projects funded by the ESCRS, as well as the completion and first publication of JCRS on the MEROV study. Most significantly, the European Prospective Multi-centre Trial comparing Triple-DMEK with Cataract Surgery in Patients with Cataract and Fuchs endothelial corneal dystrophy (ETCF-trial) was initiated in 2023.

2023 also saw the awarding of the first Digital Research Award (DRA) to two institutions:

The DRA award panel in Vilamoura recognised that both the EUKOR (Coimbra University, Joaquim Murta, PI) and OCT-KC (Moorfields Eye Hospital, Bruce Allan, PI) projects were high quality proposals with complementary goals and recommended that both should be funded.





DRA

SRA

2023 Research Awards

Full Title	PI	Institution	Grant
An open access dataset of high-resolution corneal optical coherence tomography images in early keratoconus	Professor Bruce Allan	Moorfields Eye Hospital and UCL Institute of Ophthalmology	€283,176
European Keratoconus Outcomes Registry	Professor Joaquim Carlos Neto Murta	Centro Hospitalar Universitário de Coimbra; Faculty of Medicine of the University of Coimbra	€234,915
Sex differences in refractive error coverage: a systematic review (Gender and refractive error)	Professor Nathan G Congdon	Queen's University Belfast	€10,000
Keratoconus from fundamentals to future	Dr Farideh Doroodgar	Negah Aref Ophthalmic Research Center, SBMU Iran (Islamic Republic of)	€5,000
Effectiveness of intraocularlenses designed to correct presbyopia after cataract surgery and patient-reported optical aberrations.	Dr Henein and Professor Daka	University College London and University of Prishtina	€10,000
Postoperative complication rates in intraocular lens (IOL) fixation for correcting aphakia: a review and meta- analysis	Dr Piotr Kanclerz	Hygeia Clinic, Gdańsk, Poland	€8,595
Presbyopia-correcting laser refractive surgery options presbyopia-correcting laser refractive surgery options	Professor Christopher Liu	Sussex Eye Foundation	€5,300
Comparison of the Effectivity and Safety of Pain Management After Photorefractive Keratectomy Between Topical Non-Steroidal Anti-Inflammatory Drugs	Dr Michael Mimouni	Rambam Health Care Campus	€8,000
Remote Digital care in cataract surgery	Professor Rudy Nuijts	Maastricht University Medical Centre	€10,000
Retinal Detachment after cataract surgery or refractive lens exchange	Dr. Suphi Taneri	Ruhr-University Bochum and Eye Center at St. Franziskus Hospital	€10,000
Diagnostic performance of deep learning in infectious keratitis	Professor Darren Shu Jeng Ting	Birmingham and Midland Eye Centre	€10,000
Posterior vitreous detachment rates post uncomplicated phacoemulsification	Dr. Daire Hurley	Royal Victoria Eye and Ear Hospital	€6,000



Research Registries

The ESCRS Registries consist of three databases:



Overall, the ESCRS Registries hold data on more than 4 million surgeries representing one of the richest ophthalmology datasets in Europe.

In 2023, the Registries Steering Committee integrated additional data sources, with a focus on country-level registries and surgical data from individual clinics. France (work in progress) and Portugal have been added as interfaces with EUREQUO, supplementing the existing two countries, Sweden and the Netherlands.

The Registries Steering Committee set out an ambitious agenda and joined forces with the three Task Forces (Global, Industry & PROMS). Each task force met for the first time in 2023 and developed clear calls for action.

The ECCTR consortium met for the first time and established plans for publication and agreed on the need to implement disease-specific PROMs: e.g. for Fuchs.

At the ESCRS Annual Meeting in Vienna, the founding members Mats Lundström, Ulf Stenevi and Ype Henry were honoured for their service in the establishment of the Registries, and they moved to emeritus status.

Publications







Thomas Kohnen: ESCRS Treasurer, EuroTimes Chief Medical Editor and JCRS Editor in Chief



EuroTimes

EuroTimes is the official magazine of the ESCRS and is provided free of charge. It is an important educational resource dedicated to advancing the mission of the ESCRS.

It brings news and information on the latest developments in ophthalmology, particularly in the areas of cataract and refractive surgery.

Available to all members, EuroTimes covers a wide range of topics related to ophthalmology, including clinical practice, practice management, research, education, industry, and technology.

It features articles written by leading experts in the field, as well as reports on the latest conferences, and ESCRS programs and initiatives. EuroTimes is also available online through **www.escrs.org/eurotimes**, the eTimes bi-weekly email blast, the EyeContact podcast, and posts on many social media platforms.



Chief Medical Editor



Paul Rosen Medical Editor









William J. Dupps, Jr Editor-in-Chief



Thomas Kohnen Editor-in-Chief



Sathish Srinivasan Associate Editor



Liliana Werner Associate Editor

JCRS

The Journal of Cataract & Refractive Surgery (JCRS) is the official journal of the American Society of Cataract and Refractive Surgery (ASCRS) and the European Society of Cataract and Refractive Surgeons (ESCRS).

ESCRS Annual Report 2023

The JCRS has published as a joint-society journal since 1996 and celebrates its 50th volume in 2024. The journal has two Editors and two Associate Editors, representing Europe and the U.S.

The aim of JCRS it to publish articles of a high academic and scientific standard of broad international relevance to the field of cataract and refractive surgery, in the categories of original research articles, Laboratory Science research articles, Review/ Update articles, and short-article Correspondence.

It is published monthly online and in print and offers an open access option to authors. The journal receives approximately 1,200 submissions each year and its current Impact Factor is 2.8.

JCRS ranks 25/61 in ophthalmology and 54/211 in surgery.

JCRS Online Case Reports (JCRO) is a gold open access, online-only companion journal to the JCRS that publishes Case Report and Technique articles. JCRO has been published since 2013 and follows a continuous publication model; articles are published online as soon as editing and production are complete.

Under the JCRS Editors, the JCRO has two Case Report and two Technique Editors, representing Europe and the U.S.

Click **here** for the current JCRS issue and **here** for current JCRO articles.

Both publications are free for ESCRS members. Should you not receive these, please sign up via the following **link** or contact us via **escrs@escrs.org**.

Charity Donations & Ukraine





Charity Donations

ESCRS is partnering and supporting several major projects, mainly in Sub-Saharan Africa related to cataract surgery which commenced at the start of 2023.

In addition to the two smaller projects already on-going, ESCRS provides considerable support financial and training - in Malawi, Mozambique and Palestine. ESCRS also assists with cataract projects in Nepal and South Sudan. Of particular importance is that we intend to provide training support across much of Africa by partnering with the Community Eye Health Institute (CEHI) at Cape Town University.

Click **here** for a list of all NGO's that ESCRS supports. First year donations totalling €300k were made to the 3 major charitable projects running from 2023-2025.





A description per project can be found below:

Eyes Of The World project - Mozambique

In 2023 ESCRS funds were used to support telemedicine professional development and clinical support for 2 ophthalmologists in the province and to train 2 optometrists in paediatric refraction and pathology diagnosis in one of the poorest provinces in one of the poorest LMICs in the world. Funds were also used to deliver cataract surgery and postoperative eye drops after the government failed to provide promised funding. Gender equity in terms of training eye professionals and the delivery of eye care in the region is one of the priorities of this project. In Sub Saharan Africa 1/3 of ophthalmologists are women and 2/3 of patients with moderate to severe vision impairment are women. Severe flooding and an armed conflict in an adjacent province displaced thousands of families including health care professionals and affected the demand for and supply of health and eye care in this region in 2023.

Malawi BICO project

ESCRS funds supported continuing medical education activities. Rural based cataract surgeons were funded to attend residential surgical skills refresher and update courses at the national academic hospital in the capital. And senior residents from the academic hospital were funded to go out to the rural hospitals to gain high volume surgical experience in a rural hospital setting. Floods also affected service delivery in Malawi in 2023.

St John's Hospitals in Arab East Jerusalem and Gaza

The East Jerusalem Hospital has managed to continue to deliver eye care but the political situation in Israel resulted in the cancellation of observation training for 2 Ukrainian ophthalmologists at the Hospital. The Gaza Hospital is slightly damaged and not functioning.

Additional donations of €15k each were made to Ridley Eye Foundation and to the Diocese of Wau in Sudan. ESCRS experts also provided support to wetlabs at COECSA conference.



Ukraine Support

In addition, ESCRS kept supporting the Ukrainian ophthalmic community by offering free membership of ESCRS and free registration to attend the Annual Congress.

The free registration encouraged 676 Ukrainian colleagues to register for Vienna. During the Annual Congress in Vienna, a Charity Ball was organized to raise much needed funding to be distributed between the ESCRS ophthalmic surgery programmes in low- and middle-income countries as well as material support to ophthalmic colleagues throughout Ukraine. An amount of €14,000 was collected.

ESCRS identified precisely where equipment and materials were most needed in Ukraine and elicited industry and some individual support to donate these. In addition, and as in 2022, donations have included ophthalmic sutures, instruments, drugs, disposables, endoscopes and combined Stellaris machines. Over twenty sites across Ukraine have been reached so far, including Kyiv, Lviv, Odessa, Kharkiv, Dnipro, Rivne, Ivano-Frankivsk and Zaporizhzia.



Social Responsibility





ESCRS Mission Zero

The ESCRS vision is to develop events with zero waste to landfills and zero net carbon emissions that are a role model for social and environmental responsibility.



Below please find the results of Mission Zero during the 2023 ESCRS Annual Congress held in Vienna supported by suppliers, interested parties, and attendees. The congress was carbon neutral.



of overall waste was recycled, 49.7% – incinerated and only 0.4% of waste was sent to landfill.

of served food was vegetarian or vegan.

30%

of ingredients were locally and regionally sourced (from 160km radius).



All possible reductions were made and 100% of the unavoidable emissions were offset with the purchase of carbon credits across three certified offsetting projects through Climate Impact Partners.



Leftover food stations were implemented to minimise the food waste on site.



Gamification elements were implemented by creating Mission Zero Challenge. As a result, 260+ participants were rewarded with ES-CRS-branded, organic cotton, fairly-produced and -sourced T-shirts.



8 new organisations joined the Sustainability Partnership Programme of ESCRS. The event created a fully integrated sustainability track in its programme, with panel sessions & courses focusing on waste management.

The Congress's carbon emissions were measured using industry best practices and the TRACE tool





The Sustainabily Report that was set up in 2023 can be found via this link.



The SIDICS (Sustainability Index for Disposables in Cataract Surgery) Project is an ESCRS-led initiative aiming to create metrics to help cataract surgeons evaluate the overall sustainability of cataract packs.

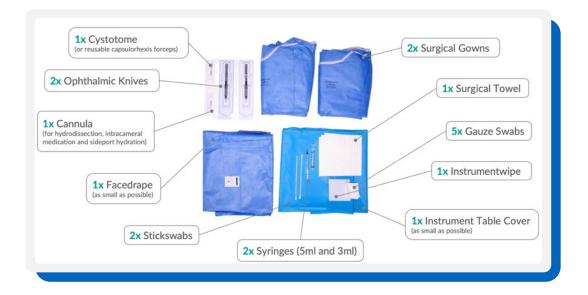
The sustainability index represents a significant milestone in the effort to reduce the environmental impact of cataract surgery. The challenge is to persuade ophthalmologists to use the index to encourage manufacturers to develop more sustainable cat-packs.

Read more about this project and use the calculator at: https://www.escrs.org/sidics/

In 2023 an **ESCRS Sustainable Cat-Pack** has been created which provides the lowest common denominator of Cat-Packs used within Europe.

This was based on an analysis covering 44 different surgical centres spread across 12 different countries and using packages from nine different suppliers.

For more information, click **here**.







EyeSustain was formed in 2022, a global consortium of ophthalmology societies, working to make our services more economically and environmentally sustainable.

In 2023, more than 15 additional global societies joined this initiative.

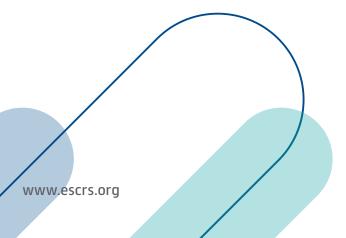
EyeSustain is co-sponsored by 3 lead societies - ESCRS, AAO and ASCRS.

Its mission is to:

- Engage, network, and educate our global ophthalmic community about more sustainable practices.
- Collaborate with industry to reduce our carbon footprint and surgical waste.
- Support research and innovative solutions that reduce ophthalmology's environmental impact.
- Collaborate with other medical specialties to reduce the carbon footprint of our healthcare system.
- Support advocacy and education about the public health impact of climate change.

See the **website** for more information.

ESCRS is committed to further improving its impacts through its engagement, inspiration, and catalysing collective action and we look forward to sharing more successes.







Diversity and Inclusion - Inclusivity for a Sustainable Society



Under this new initiative that started in 2023, the ESCRS intends to create a culture of inclusivity through a program that focuses on:

- Unconscious Bias
- Belonging
- Promotion of diversity and equity
- Networking & mentorship
- Underrepresented minorities in clinical studies

The intention of this initiative is to include our membership, as well as our industry partners so that we work together to create a stronger, inclusive community.

The initiative will be chaired by Dr. Mor Dickman, Maastricht University, with a task force made up of ESCRS members, as well as external experts on diversity and inclusion.

The goals for the first year will focus on the following:

- Leadership by Example: ESCRS will secure the involvement of all ESCRS members and our partner organisations.
- Prioritise Inclusivity: ESCRS will prioritise inclusivity in its policies, programs, and services, aiming to enhance the engagement and empowerment of underrepresented groups.
- Advocate: The ESCRS leadership will be an advocate to ensure representation for all of our members.

The starting point to achieve these goals will be to enhance the collection and analysis of data and evidence about our membership, enabling us to better understand and acknowledge the needs and impact of our work on our members, committees, and stakeholders.

ESCRS 2023 in numbers





ESCRS 2023 in numbers

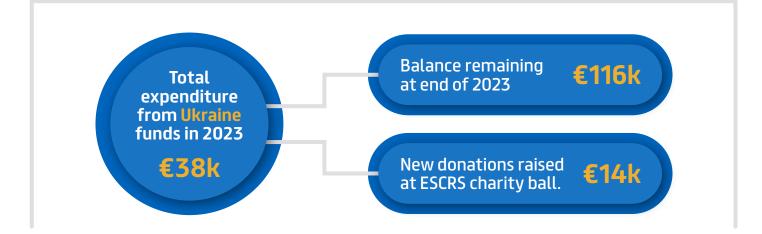


Sustainability index calculator project continued total investment to date

€150k

Peter Barry Fellowship Award given £60k

Invested further **€30k** in development of IOL Power calculator.



676 free registrations to the 2023 Annual Congress in Vienna were provided to Ukrainian doctors.



ESCRS 2023 in numbers continued.



Total of €909k in direct funding paid to research projects in 2023.

43 travel bursaries

provided to doctors to attend the **2023 Winter Meeting** in Vilamoura or the **2023 Annual Congress** in Vienna.

First Digital Research Awards made

2 awarded in 2023 to Moorfields and Coimbra, total grant **€518k**.

Surgical simulator programme introduced

ESCRS purchased an Eyesi simulator, total investment

€208k.



to the Diocese of Wau in Sudan.