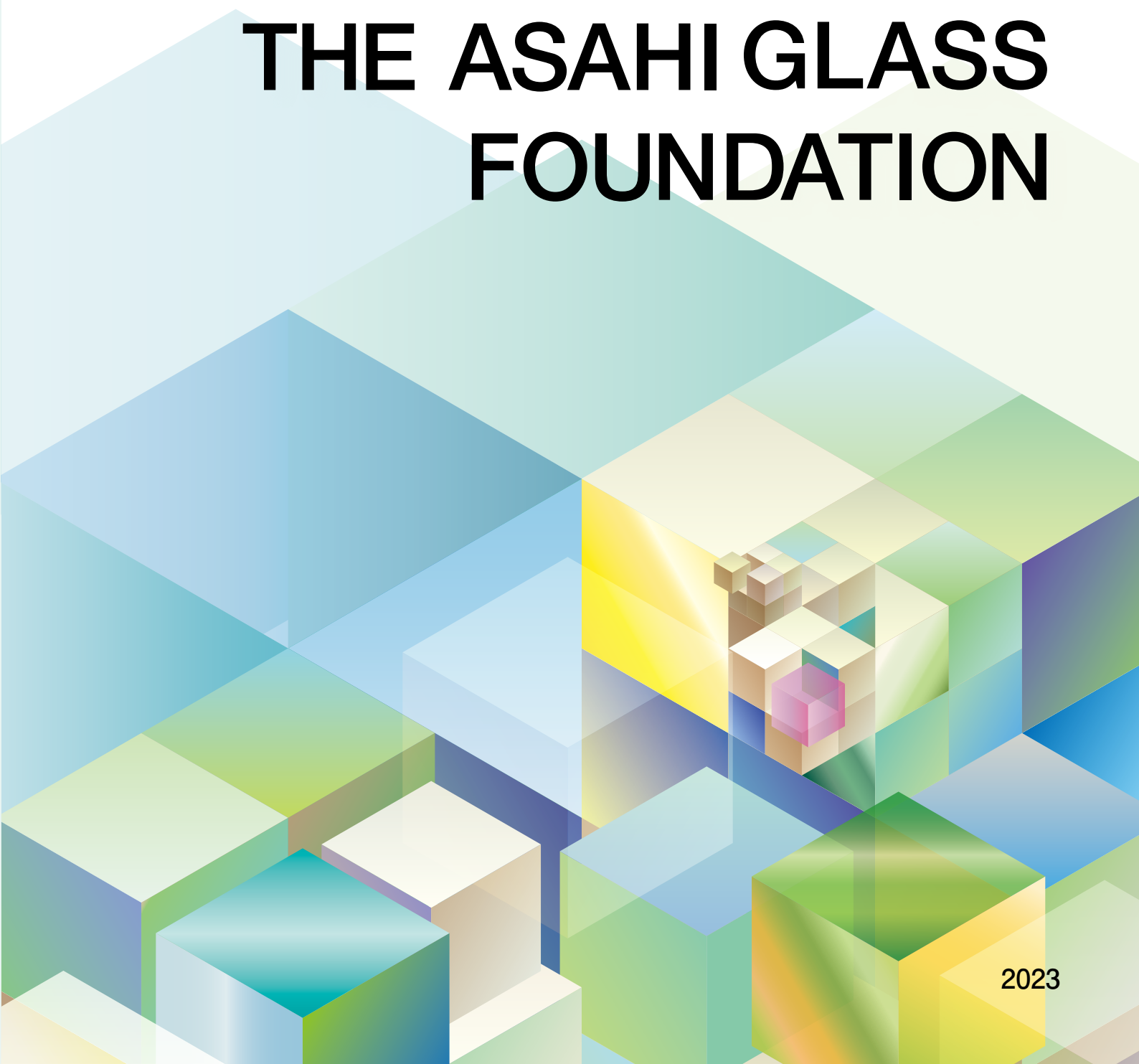




THE ASAHI GLASS FOUNDATION

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2023

1 Profile

Mission

The Asahi Glass Foundation strives to contribute to the creation of a society that can transmit the genuine wealth of human civilization by supporting advanced research and outstanding students as well as by recognizing efforts to solve environmental problems that call for global solutions.

History

The Asahi Glass Foundation began in 1933 as the Asahi Foundation for Chemical Industry Promotion, to celebrate the twenty-fifth anniversary (1932) of the founding of Asahi Glass Co., Ltd. (currently, AGC Inc.). For more than half a century, the Foundation focused primarily on fostering research in the field of applied chemistry. In 1990, the Foundation undertook an overall redesign of its programs, expanding the scope of its activities and establishing the commendation program. At the same time, it was renamed the Asahi Glass Foundation. In 2018, the Foundation took over the scholarship program due to a merger with the Asahi Glass Scholarship Foundation (AGSF).

AGSF was established in 1957. Later renamed the Asahi Glass Foundation, it has been granting scholarships to Japanese and international students from Thailand, Indonesia, China, South Korea and Viet Nam.

Milestones

1933	The Asahi Foundation for Chemical Industry Promotion is established to celebrate the 25th anniversary of the founding of Asahi Glass Co., Ltd.	2006	Special Round Table Conference on Global Environment Problems starts.
1934	The Foundation was recognized as a non-profit organization and begins providing grants to university researchers in applied chemistry.	2008	'Continuation Grants for Young Researchers' and 'Continuation Grants for Outstanding Projects' are integrated into the research grant program.
1957	Asahi Glass Scholarship Foundation (AGSF) is established to celebrate the 50th anniversary of the founding of Asahi Glass Co., Ltd.	2009	The corporate status of the Foundation is converted into a Public Interest Incorporated Foundation The Foundation publishes " <i>Our Vision: Conditions for Survival</i> " and subsequently issues English, Chinese, Korean, Arabic, and French versions of the publication.
1958	AGSF begins the scholarship program for Japanese students.	2010	The Kondo Grant, an environmental research grant program commences. The Foundation publishes " <i>Conditions for Survival - Toward a Solar Energy-Based Society Full of Vibrant Life.</i> "
1961	The Foundation is renamed the Asahi Glass Foundation for Industrial Technology.	2011	The Foundation organizes the Symposium "Conditions for Survival."
1982	The Foundation starts a research grant program for Chulalongkorn University, Thailand.	2012	The Foundation starts research grant program for King Mongkut's University of Technology Thonburi, Thailand. The Blue Planet Prize laureates jointly presents a paper titled " <i>Environment and Development Challenges: The Imperative to Act.</i> " AGSF begins a scholarship program for students who suffered damage caused by the Great East Japan Earthquake.
1988	The Foundation starts a research grant program for Institut Teknologi Bandung, Indonesia.	2013	The Foundation starts a research grant program for researchers at technical colleges.
1990	The Foundation is renamed the Asahi Glass Foundation. AGSF began a scholarship program for international students in Japan.	2014	The Foundation publishes " <i>Environment and Development Challenges: The Imperative to Act.</i> "
1991	The Foundation extends its field of the research grant program of natural sciences, in addition to applied chemistry.	2017	The Foundation organizes +25 years commemorative conference of the establishment of The Blue Planet Prize.
1992	The Foundation commences awarding of the Blue Planet Prize. Annual survey Questionnaire on Environmental Problems and the Survival of Humankind started. The Foundation begins a research grant program for the fields of humanities and social sciences.	2018	The Foundation takes over the scholarship program due to a merger with AGSF. A new comic series, Blue Planet Prize Fun School, starts.
1993	Inaugural seminar is held to present findings from Asahi Glass Foundation-assisted research, now an annual event.	2020	A new program 'Research Grants for Sustainable Future' starts. The Foundation starts a research grant program for Hanoi University of Science and Technology, Viet Nam. Survey on the Awareness of Environmental Issues Among the General Public starts.
1994	The Foundation publishes its 60 year records of the Foundation's history.		
1997	The Foundation publishes " <i>A Better Future for the Planet Earth.</i> " Since then, the publications are made every 5 years.		
2002	The Foundation organized the 10th anniversary commemorative lectures "Toward the Future of the Blue Planet" and publishes " <i>Toward the Future of the Blue Planet - 10 Year History of the Blue Planet Prize.</i> "		

Programs

Research Grant Program

Grants are awarded to researchers in universities in Japan, Thailand, Indonesia, and Viet Nam. To date, the Foundation has awarded ¥11.9 billion in research grants to approximately 5,700 projects.

Scholarship Program

The scholarship program is for Japanese and international students in designated graduate schools in Japan. To date, a total of 3.5 billion yen in scholarships has benefited 4,040 Japanese students and 320 international students.

Commendation Program

Awarding of the Blue Planet Prize, an international environmental award, and the annual survey on the global environment, have been conducted since 1992. Based on the results of the survey, the Environmental Doomsday Clock is published every year.

Since 2018, the Foundation has focused on activities in the research grant program, the scholarship program, and the commendation program.

Financial Information

Net assets as of February 28, 2023: ¥41.5 billion

Total ordinary expenditures (Fiscal 2022): ¥1,251 million

Directors & Councillors (as of June 1, 2023)

Directors

Chairman

Takuya Shimamura
Director, Chairman, AGC Inc.

Senior Executive Director

Naoki Sugimoto
Former Executive Officer, General Manager,
Materials Integration Laboratories, AGC Inc.

Trustees

Yoshiki Chujo
Professor Emeritus, Kyoto University

Yoshihiro Hayashi
Professor Emeritus, The University of Tokyo

Yoshinori Hirai
Representative Director, President & CEO, AGC Inc.

Kimihiko Hirao
Research Director, Fukui Institute for Fundamental Chemistry, Kyoto University

Tisato Kajiyama
Professor Emeritus, Former President, Fukuoka Women's University;
Professor Emeritus, Former President, Kyushu University

Takashi Kato
Professor, The University of Tokyo

Yukiharu Kodama
Advisor, The Mechanical Social Systems Foundation;
Former Administrative Vice-minister of International Trade and Industry

Takamitsu Kumasaka
Senior Adviser, THE SANKEI SHIMBUN

Keisuke Kurita
Former President, Seikei University

Yuri Maesako
Vice-President, Professor, Nara Saho College

Akio Morishima
Counselor, Japan Environment Association;
Professor Emeritus, Nagoya University

Norihiro Nakai
Institute Professor, Tokyo Institute of Technology

Ryoji Noyori
Director-General, Center for Research and Development Strategy,
Japan Science and Technology Agency

Ikuya Sato
Professor, Doshisha University; Professor Emeritus, Hitotsubashi University

Katsuhiko Shirai
Honorary Advisor, Waseda University

Koki Takanashi
Director General, Advanced Science Research Center, Japan Atomic
Energy Agency; Professor Emeritus, Tohoku University

Hiroshi Yoshikawa
Professor Emeritus, The University of Tokyo

Hiroyuki Yoshikawa

President, International Professional University of Technology in Tokyo/Osaka;
Member of Japan Academy; Former President, Science Council of Japan;
Former President, The University of Tokyo

Auditors

Kanetsugu Mike

Member of the Board of Directors Chairman, Mitsubishi UFJ Financial
Group, Inc.

Takashi Terashima

Former Corporate Auditor, Asahi Glass Co., Ltd.

Tatsuo Wakabayashi

Senior Advisor, Mitsubishi UFJ Trust and Banking Corporation

Councillors

Masuo Aizawa

Professor Emeritus, Former President, Tokyo Institute of Technology

Kenichi Iga

Honorary Professor, Former President, Tokyo Institute of Technology

Michiko Imai

Director, Le Verseau Inc.

Ryozo Kato

Former Ambassador to the United States of America

Ken Kobayashi

Corporate Advisor, Mitsubishi Corporation

Hiroshi Komiyama

Chairman, Mitsubishi Research Institute, Inc.;
Former President, The University of Tokyo

Hideyuki Kurata

Representative Director, Executive Vice President, CTO, AGC Inc.

Kenji Matsuo

Honorary Advisor, Meiji Yasuda Life Insurance Company

Shinji Miyaji

Representative Director, Senior Executive Vice President, CFO & COO, AGC Inc.

Mamoru Mohri

Astronaut; Chief Executive Director Emeritus, The National Museum of
Emerging Science and Innovation

Keiko Nakamura

Honorary Director General, JT Biohistory Research Hall

Shigeo Nishimura

Professor Emeritus, Kyushu University

Hideaki Omiya

Senior Executive Adviser, Mitsubishi Heavy Industries, Ltd.

Hitoshi Osaki

Vice President, Institute for development of Higher Education;
Former Commissioner for Cultural Affairs

Niro Shimada

Former Chief Justice, the Supreme Court of Japan

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Research Grant Program

The Asahi Glass Foundation supports original research in natural sciences that seeks to build the foundations for the next generation's society, as well as original research in humanities and social sciences that contributes to sustainable solutions for the critical issues that confront society.

Research Grants in Japan

Applications for research grants in Japan for 2024 are accepted for the five programs outlined below.

Program Overview (in Japan)

[Eligibility]

Full-time researchers in universities in Japan, including their affiliated research laboratories and technical colleges who are playing a leading role in research. Fixed-term researchers may apply under guidelines provided by the Foundation.

[Program and Categories]

- ▶ **Research Encouragement Grants:** Supporting program for basic and embryonic research proposals by young researchers <Chemistry & Life Sciences, Physics & Information Sciences>
- ▶ **Research Grants for Sustainable Future:** Supporting program for research aimed at realizing a sustainable society or solving global environmental problems <Architecture & Urban Engineering, Humanity & Social Sciences, Environmental Field Research>
- ▶ **Continuation Grants for Young Researchers:** Supporting program for prospective researchers who have completed Research Encouragement Grants within the past three years
- ▶ **Continuation Grants for Outstanding Projects:** Supporting promising researchers that have completed Research Encouragement Grants or Continuation Grants for Young Researchers within the past three years
- ▶ **Special Research Grants for "Blue Planet" Global Environment:** Newly installed program for solving global environmental problems of the SDGs, from basic research to verification for social implementation <Chemistry & Life Sciences, Physics & Information Sciences, Architecture & Urban Engineering, Humanity & Social Sciences, Environmental Field Research>

[Information for Applicants]

Information for new applicants is announced around June. The application documents (in Japanese) are available for download from our website. The deadlines for the applications are in August-September (Deadlines vary with the program and the field).

① [Research Encouragement Grants]

Chemistry & Life Sciences

Born in 1978 or later

- ◎Amount granted per project: ¥3 million or less
- ◎Research Term: 1-2 Years

Physics & Information Sciences

Born in 1978 or later

- ◎Amount granted per project: ¥3 million or less
- ◎Research Term: 1-2 Years

※Those who are eligible will be notified

[Continuation Grants]

For researchers who have completed our grant research program within the past three years

③ Continuation Grants for Young Researchers

Born in 1977 or later

- ◎Amount granted per project: ¥8 million or less
- ◎Research Term: 3 Years

④ Continuation Grants for Outstanding Projects

No age limit for applicants

- ◎Amount granted per project: ¥8-14 million
- ◎Research Term: 3-4 Years

② [Research Grants for Sustainable Future]

Architecture & Urban Engineering

Humanity & Social Sciences

Environmental Field Research

Proposed Research

To support basic and embryonic research ideas by young researchers
Born in 1978 or later

- ◎Amount granted per project: ¥1-2.5 million
- ◎Research Term: 1-2 Years

- ◎Amount granted per project: ¥1-2 million
- ◎Research Term: 1-2 Years

- ◎Amount granted per project: ¥1-2 million
- ◎Research Term: 1-2 Years

Developmental Research

To support further development based on basic research
No age limit for applicants

- ◎Amount granted per project: ¥3-6 million
- ◎Research Term: 2-4 Years

- ◎Amount granted per project: ¥2.5-4 million
- ◎Research Term: 2-4 Years

- ◎Amount granted per project: ¥3-6 million
- ◎Research Term: 2-4 Years

⑤ [Special Research Grants for "Blue Planet" Global Environment]

No age limit for applicants

- ◎Amount granted per project: ¥10-30 million
- ◎Research Term: 2-4 Years

Overseas Research Grants

We support a wide field of research proposals from basic to applied stage at Chulalongkorn University (CU), King Mongkut's University of Technology Thonburi (KMUTT) in Thailand, Bandung Institute of Technology (ITB) in Indonesia, and Hanoi University of Science and Technology (HUST) in Viet Nam.

Research Grant Presentation Ceremony & Seminar on Research Findings (Japan, Thailand, Indonesia & Vietnam)

In Japan, the presentation ceremony takes place in June each year with a seminar of findings in July. In Thailand, Indonesia, and Viet Nam both the ceremony and the seminar of findings are held in June-September.



Japan



CU(Thailand)



KMUTT(Thailand)



ITB(Indonesia)



HUST(Viet Nam)

Selection Committee (April, 2023)

Chemistry & Life Sciences

<u>Takashi Kato</u>	Professor, The University of Tokyo
<u>Hiroyuki Asanuma</u>	Professor, Nagoya University
<u>Yukiko Gotoh</u>	Professor, The University of Tokyo
<u>Seijiro Matsubara</u>	Professor, Kyoto University
<u>Jun Ogawa</u>	Professor, Kyoto University
<u>Shin-ichi Ohkoshi</u>	Professor, The University of Tokyo
<u>Setsuhisa Tanabe</u>	Professor, Kyoto University
<u>Manabu Tokeshi</u>	Professor, Hokkaido University

Physics & Information Sciences

<u>Koki Takanashi</u>	Director General, Advanced Science Research Center, Japan Atomic Energy Agency; Professor Emeritus, Tohoku University
<u>Mutsuko Hatano</u>	Professor, Tokyo Institute of Technology
<u>Kazuhiko Hirakawa</u>	Professor, The University of Tokyo
<u>Toshihiro Itoh</u>	Professor, The University of Tokyo
<u>Hiroshi Nakamura</u>	Professor, The University of Tokyo

Architecture & Urban Engineering

<u>Norihiro Nakai</u>	Institute Professor, Tokyo Institute of Technology
<u>Kaori Fujita</u>	Professor, The University of Tokyo
<u>Hiroyuki Takaguchi</u>	Professor, Waseda University

Humanity and Social Sciences

<u>Ikuya Sato</u>	Professor, Doshisha University; Professor Emeritus, Hitotsubashi University
<u>Chieko Umetsu</u>	Professor Emeritus, Kyoto University
<u>Takahiro Yamada</u>	Professor, Nagoya University; Professor Emeritus, Tokyo Metropolitan University
<u>Kenichiro Yanagi</u>	Professor Emeritus, Meiji University

Environmental Field Research

<u>Yuri Maesako</u>	Vice-President, Professor, Nara Saho College
<u>Atsushi Kawakita</u>	Professor, The University of Tokyo
<u>Toshiya Okuro</u>	Professor, The University of Tokyo

(Underlining denotes committee chairs)

3 Scholarship Program

The Asahi Glass Foundation provides scholarships to outstanding students to foster superior human resources who are responsible for advancing and improving industries, economics and society.

Program Overview

[Applying for Scholarship]

Entries are accepted only through recommendation from the designated graduate schools from January to May every year. Direct application from a student is not accepted.

[Scholarship Program for Japanese Students] (30 students per year)

Scholarship for Japanese students in the master's and doctoral course in designated graduate schools in Japan. Master's Students: 100,000 yen / month, Doctoral Students: 120,000 yen / month.

[Scholarship Program for International Students in Japan] (18 students per year)

Scholarship for international students from the Kingdom of Thailand, Republic of Indonesia, People's Republic of China, Republic of Korea, Socialist Republic of Viet Nam who are enrolled in the master's and doctoral courses in designated graduate schools in Japan. All the students: 150,000 yen / month.

※ Each program also supports to overseas research activities(up to 200,000 yen)



Presentation Ceremony

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Commendation Program: The Blue Planet Prize



The Blue Planet Prize is an annual award given in recognition of individuals and organizations that have made major contributions towards the resolution of global environmental problems. The Foundation wishes to express its appreciation for the achievements of the laureates, as well as to encourage the search for solutions to environmental issues throughout the world.

The Blue Planet Prize logo symbolizes energetic human activity to protect the Earth. The blue and white wavy background around the figure represents the water and atmosphere on Earth. Earth, human, and space are combined into this symbol using light blue, expressing glittering water and flowing air.



Outline

Nominations are solicited between August and October of each year from nominators in Japan and overseas. As a general rule, two recipients are chosen each year. We will announce the prize recipients in June of the following year, and in the autumn, we will hold an award ceremony in Tokyo to welcome the laureates and hold commemorative lectures in Tokyo and Kyoto. Each recipient is presented with a certificate of merit, a commemorative trophy and 500,000 USD in prize money.

Fields for Recognition

With the view of furthering the vision of a sustainable society, the Blue Planet Prize recognizes outstanding individuals or organizations that have contributed significantly to building new ideas, scientific understanding or countermeasures and practical activities related to environmental conservation and restoration of the Earth's environment.

2023 Blue Planet Prize Laureates

Professor Richard Thompson (UK) (center)
University of Plymouth, Director of the Marine Institute,
University of Plymouth

Professor Tamara Galloway (UK) (right)
University of Exeter, Head of Ecotoxicology Research Group,
University of Exeter

Professor Penelope Lindeque (UK) (left)
Head of Science for Marine Ecology and Biodiversity, Plymouth
Marine Laboratory



Prof. Thompson, Prof. Galloway, and Prof. Lindeque demonstrated the existence of microplastics in the ocean, and have since charted their presence from the deep Ocean to the highest mountains. They revealed microplastics

are ingested by zooplankton and other marine species and have made major advances in understanding the effects of microplastics on these marine organisms and ecological processes. They have influenced global legislation and action, calling on the international community to develop solutions that will help to address the growing problem of plastic pollution in the Ocean.

Professor Debarati Guha-Sapir (Belgium)
Founder Director of the Center for Research on the
Epidemiology of Disasters (CRED) Université Catholique
de Louvain
Senior Fellow, Centre for Humanitarian Health, Johns
Hopkins Bloomberg School of Public Health



Prof. Guha-Sapir founded and led the development of the Emergency Events Database (EM-DAT), the first data infrastructure of global disasters triggered by climate change e.g. storms, geo-physical hazards e.g. earthquakes, biological agents e.g. pandemics, and humanitarian disasters e.g. conflicts. EM-DAT and her body

of research over thirty years serves as a scientific foundation for evidence-based policymaking, used by many international organizations, national governments, and research institutes working on climate change mitigation and adaptation measures; and disaster prevention and mitigation.

Award Ceremony

The laureates are invited to Tokyo for the award ceremony and commemorative lectures in the autumn.



Commemorative Lectures (Tokyo/Kyoto)

Each recipient gives a lecture, followed by a question and answer session with the audience.



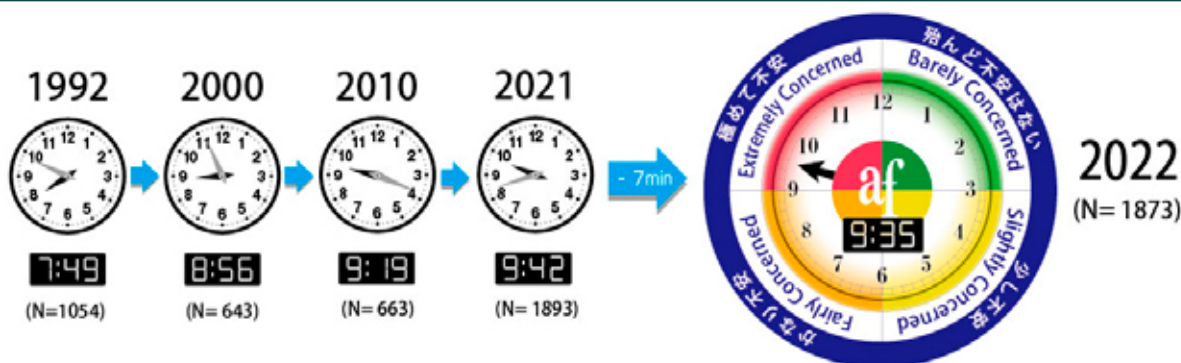
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Questionnaire on Environmental Problems and the Survival of Humankind

Global measures are essential for the preservation of the Earth's natural environment. These measures require global understanding of the need to resolve environmental problems and the fostering of cooperative relationships among people. With this purpose in mind, since 1992 the Foundation has annually conducted a survey "Questionnaire on Environmental Problems and the Survival of Humankind," directed at global experts on environmental issues. The views and comments of the experts who respond are published in September.

The Environmental Doomsday Clock

Each year the Foundation conducts a survey of the sense of crisis felt by environmental experts around the world about the continuance of the human race as the global environment continues to change, showing the time using the hands on the Environmental Doomsday Clock, created by the Foundation. In 2022, the time on the Environmental Doomsday Clock is 9:35, seven minutes earlier than last year.



Facts about the Survey

Survey period: Each year, the survey is conducted April through June.

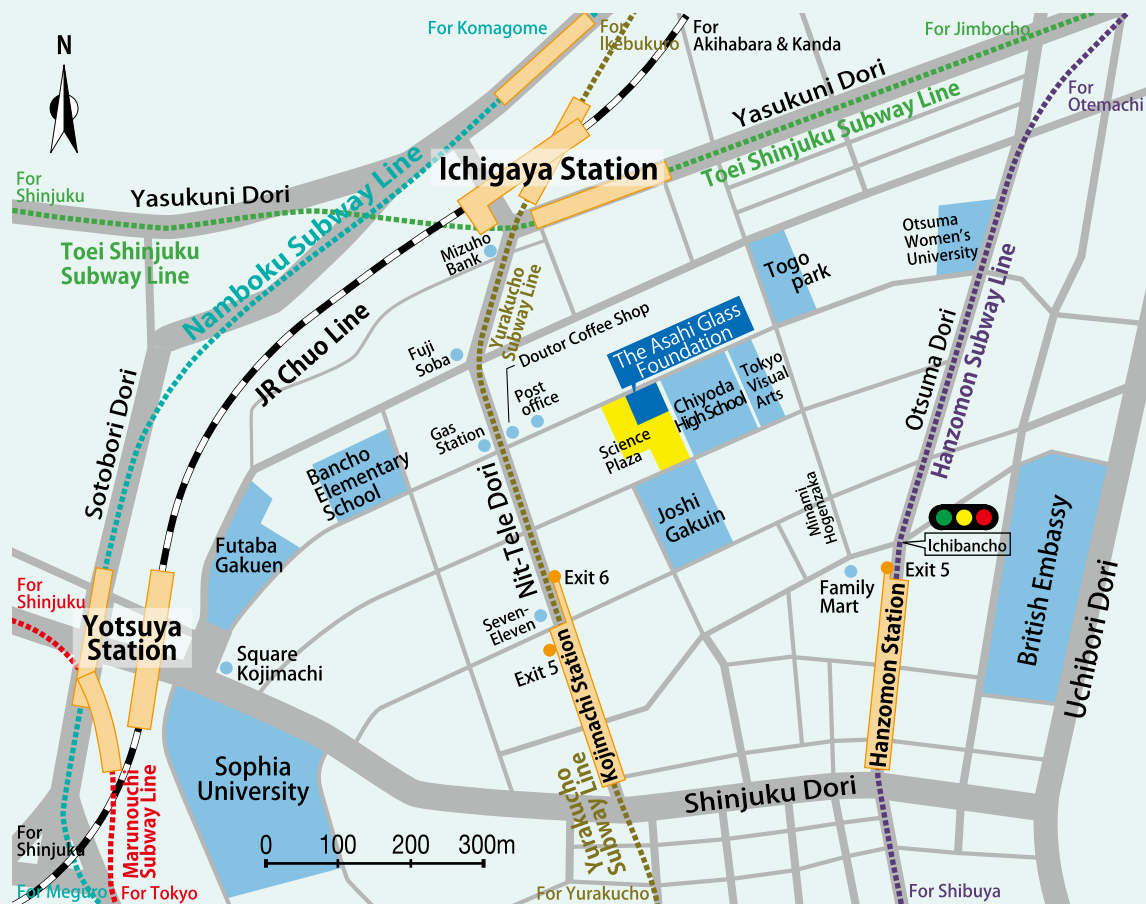
Respondents: Respondents are environmental experts, including members of governmental organizations, academic and research institutions, NGOs, and corporations registered in the Asahi Glass Foundation database.

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Survey on the Awareness of Environmental Issues Among the General Public

In 2022, the Asahi Glass Foundation conducted a "Survey on the Awareness of Environmental Issues Among the General Public" in Japan and 24 other countries, with over ten thousand participants aged 18-69. As a result, climate change ranked first as the most critical environmental issue in their respective countries, aligning with expert survey results. When using a clock analogy to express the sense of crisis towards environmental issues, the general public averaged out at 7:25, meaning "fairly concerned." In contrast, the average time given by global environmental experts was two hours ahead of the general public, at 9:35, "extremely concerned."





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