

WATER MATTERS

Report on Nobel Prize Dialogue Tokyo 2022



JSPS

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All discussions, lectures and panels from Nobel Prize Dialogue Tokyo 2022 are available for viewing on <https://www.youtube.com/nobelprize>



Nobel Prize Dialogue Tokyo 2022 was held to advance an open discussion between the science community and the public on a topic at the interface between science and society. It sought to raise public interest and understanding of science and technology while contributing to the promotion of scientific research. 23 world's leading scientists and top authorities from various fields including 7 Nobel Prize laureates took the stage as lecturers and panellists, addressing an audience comprising attentive members of the public including young researchers and representatives from industry. Besides an audience of 400 at the venue, a live broadcast gave people around the world an opportunity to watch the proceedings.

(The broadcast is archived at "<https://www.youtube.com/nobelprize>" for viewing.)

Since 2012, an open symposium called “Nobel Week Dialogue” has been held in Sweden by Nobel Media AB, on the day before the Nobel Prize Ceremony. Nobel Media AB approached the Japan Society for the Promotion of Science (JSPS) with the idea of holding the Nobel Prize Dialogue in Japan. The discussion resulted in the 2015 event, which was the first Nobel Prize Dialogue to be held outside of Sweden. Building upon this success, a subsequent Nobel Prize Dialogue was held in Tokyo in 2017, and in Yokohama in 2018, 2019 and 2022.

Nobel Prize Dialogue Tokyo 2022 was organized in close collaboration between JSPS and Nobel Prize Outreach AB. Bringing Nobel Prize laureates, other leading researchers and experts together under one roof, the event gave members of the public a rare opportunity to engage in dialogue with them. It provided a valuable opportunity to increase the international presence of Japan within the global scientific community. The Nobel Prize Dialogue also achieved its goal of raising public interest and understanding of science as a trailblazing science communication activity.

This report summarizes the Nobel Prize Dialogue’s proceedings in the hope that it may raise the interest of the general public in science and be of wide use to scientists and administrators.

Nobel Prize Dialogue Tokyo 2022

Organizers: Japan Society for the Promotion of Science (JSPS), Nobel Prize Outreach AB

Date: 23 October 2022 (10:00-17:00)

Venue: PACIFICO Yokohama Conference Center (1-1-1, Minato Mirai, Nishi-ku, Yokohama, JAPAN)

Theme: Water Matters



SUGINO Tsuyoshi

President, Japan Society for the Promotion of Science

Good morning, everyone. I am Sugino Tsuyoshi, President of JSPS. I'm very pleased to offer some remarks at the opening of Nobel Prize Dialogue Tokyo 2022.

To Her Imperial Highness Princess Takamado, His Excellency Pereric Högberg, Ambassador of Sweden, Mr. Ide Yosei, State Minister of Education, Culture, Sports, Science and Technology, and to all of you gathered here today for this Nobel Prize Dialogue Tokyo 2022, I extend a cordial welcome.

The warm understanding and close cooperation accorded us by Ms. Laura Sprechmann and her team at Nobel Prize Outreach have been instrumental in preparing this event.

We are especially grateful for the support provided for this year's Dialogue by the event partners including Suntory Holdings Limited and many other companies.

To all of those who are supporting this event, we extend our hearty appreciation.

Nobel Prize Dialogue has its purpose as deepening the public's knowledge and understanding of cutting-edge science and technology, and it has already been held 14 times all over the world since 2015.

I'm very proud that this is the 5th time for Nobel Prize Dialogue to be held here in Japan, and it's my great privilege to welcome seven Nobel Prize laureates to this year's Dialogue.

As you might know, the first Nobel Prize laureate from Japanese researchers was Dr. Yukawa Hideki, who won the 1949 Nobel Prize in physics immediately after World War II.

The Emperor at that time was deeply moved by the news of Dr. Yukawa's winning, and wrote a Japanese traditional short poem called "Tanka". Let me introduce this Tanka in Japanese.

「賞を得し 湯川博士の いさおしは わが日の本の ほこりとぞ思ふ」

It means:

"I'm sure that the great accomplishment by Dr. Yukawa winning Nobel Prize is the Pride of Japan"

I know that Nobel Prize has always offered great dreams and hope to our country and to the whole world as well.

By the way, when I was a boy, my mother who was also offered great dreams and hope by Dr. Yukawa's winning gave me the biography of Dr. Yukawa. I read the book again and again, and now, finally I am ... not a physicist. Sorry, my mother.

But, I'm very happy to host Nobel Prize dialogue as the president of JSPS, and I believe that today's seven Nobel Prize laureates should also offer great dreams and hope to Japanese young people through this Dialogue.

Today's theme focuses on "Water Matters". On one hand, 21 top scientists and experts will discuss how water is life giving and what we can do to preserve it as a precious resource, on the other, they will consider intrinsic connections between water and natural disasters.

For most people living in Japan, each access to water in their daily lives is taken for granted. To drink it, all one needs to do is turn on a faucet. In these blessed settings, I believe that today's dialogue will be very meaningful, as global wisdom and knowledge regarding water usage will illuminate how we can challenge and solve various water-related issues.

And I'm sure that today's discussion will provide valuable insights for our future.

So, everybody, please enjoy Nobel Prize Dialogue Tokyo 2022. Thank you.

*These welcome remarks were delivered by Mr. Sugino on 23 October 2022



Laura SPRECHMANN

CEO, Nobel Prize Outreach

Photo by A. Mahmoud, Nobel Prize Outreach

Good morning!

Welcome to our Nobel Prize Dialogue Tokyo, to our dialogue on why water matters. We all know that water matters. Without it, we wouldn't survive. Everywhere on Earth where we find water – liquid water – we find life. Everywhere. This helps us understand life - and the limits of life.

Water is essential for survival. Cells, whole organisms and entire ecosystems depend on the presence of water. It is the most abundant substance on Earth – and an extraordinary molecule. Despite its simplicity we are still unravelling its secrets.

Water is the lifeblood of our societies. It is our most valuable resource. But, as we know, human activities are changing the water cycle. We are damming rivers. We are diverting rivers. We are irrigating crops. This, in turn, will change the weather. We will get more extreme events. More rainfall and floods. And more droughts. Leading to destroyed livelihoods and wiping out crops.

So what can we do about it? Our future depends on how we manage water. What we need is Water Wisdom. We need to combine knowledge of hydrology and water engineering with knowledge of adaptation and resilience.

This is why we are here today. To learn. To prepare ourselves for making better decisions on one of our biggest challenges.

Nobel Prize Dialogue brings together Nobel Prize laureates, international experts, decision-makers from science and society, and students. It is about learning together, inspiring each other and taking joint action.

As you know, the Nobel Prize is named after Alfred Nobel. He was a Swedish entrepreneur who a century ago invented dynamite and built a business empire. For Alfred Nobel, it was clear that we can shape the future if we make an effort to learn and to act. This sense of agency based on knowledge gives us strength.

Interaction and informed dialogue are what we expect today. On stage, among all of you in the audience and online through our digital channels.

*The above text is an edited translation of the welcome remarks delivered by Ms. Sprechmann on 23 October 2022.

Programme

10:00 Welcome Remarks

Her Imperial Highness Princess Takamado
Japan Society for the Promotion of Science (JSPS), Nobel Prize Outreach AB,
Ministry of Education, Culture, Sports, Science and Technology (MEXT)

The Earth's water cycle in the Anthropocene

OKI Taikan

The UN 2023 Water Conference, a watershed moment for the world

Henk OVINK (V)

Disaster prevention and relief

IMAMURA Fumihiko, IZUMI Takako, Henk OVINK (V), Moderator: TAKEUCHI Sawako

The physiology of water

Peter AGRE (V), Kurt WÜTHRICH, Moderator: Adam SMITH

Innovative approaches to water

Konstantin NOVOSELOV, OGUMA Kumiko, Dan SHECHTMAN, TAKEUCHI Sawako, Moderator: FUJIGAKI Yuko

DUV LED as a front-line tool to provide safe and secure water

AMANO Hiroshi(V)

12:45 Lunch Break

14:00 Scarcity and abundance

Maude BARLOW (P)

GETFLOWS visualisation of water flows

TOSAKA Hiroyuki, Moderator: OKI Taikan

Water trading in California

Paul MILGROM (V), Moderator: Newsha AJAMI (V)

Addressing climate change

Newsha AJAMI (V), Antje BOETIUS (P), INAGAKI Fumio, Konstantin NOVOSELOV, TAKAHASHI Keiko,
Moderator: Adam SMITH

15:30 Break

15:50 Water issues and solutions, the Israel experience

Dan SHECHTMAN

Preserving biodiversity

Antje BOETIUS (P), Tim HUNT (V), SAKAGUCHI Hide, Dan SHECHTMAN, Moderator: Cheryl Lynn AMES

The power of creativity

Konstantin NOVOSELOV, Dan SHECHTMAN, TAKAHASHI Keiko, Kurt WÜTHRICH, Moderator: Adam SMITH

P : Pre-recorded, V : Virtual

Opening

Following the welcome remarks, we were honored to receive an address by Her Imperial Highness Princess Takamado.



“The Earth’s water cycle in the Anthropocene” OKI Taikan



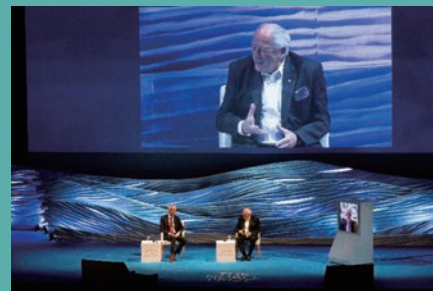
“The UN 2023 Water Conference, a watershed moment for the world” Henk OVINK (V)



“Disaster prevention and relief” IMAMURA Fumihiko, IZUMI Takako, Henk OVINK (V) Moderator: TAKEUCHI Sawako



“The physiology of water” Peter AGRE (V), Kurt WÜTHRICH Moderator: Adam SMITH



“Innovative approaches to water” Konstantin NOVOSELOV, OGUMA Kumiko, Dan SHECHTMAN, TAKEUCHI Sawako, Moderator: FUJIGAKI Yuko



“DUV LED as a front-line tool to provide safe and secure water”

AMANO Hiroshi (V)



“Scarcity and abundance”

Maude BARLOW (P)



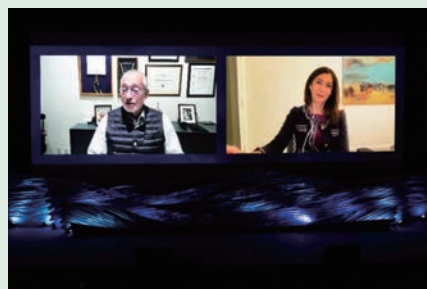
“GETFLOWS visualisation of water flows”

TOSAKA Hiroyuki, Moderator: OKI Taikan



“Water trading in California”

Paul MILGROM (V)
Moderator: Newsha AJAMI (V)



“Addressing climate change”

Newsha AJAMI (V), Antje BOETIUS (P),
INAGAKI Fumio, Konstantin NOVOSELOV,
TAKAHASHI Keiko
Moderator: Adam SMITH

“Water issues and solutions, the Israel experience”

Dan SHECHTMAN



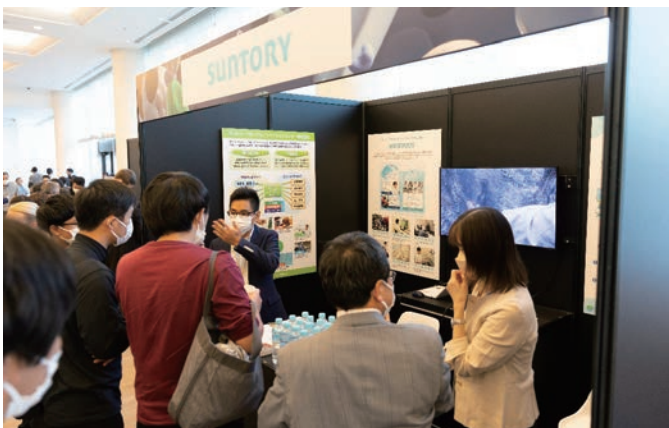


“Preserving biodiversity”

Antje BOETIUS (P), Tim HUNT (V), SAKAGUCHI Hide,
Dan SHECHTMAN
Moderator: Cheryl Lynn AMES

“The power of creativity”

Konstantin NOVOSELOV, Dan SHECHTMAN, TAKAHASHI Keiko, Kurt WÜTHRICH
Moderator: Adam SMITH



Panellists



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Peter AGRE

Nobel Prize laureate in chemistry 2003

Peter Agre is currently Bloomberg Distinguished Professor and Director of the Johns Hopkins Malaria Research Institute at the Bloomberg School of Public Health. He was awarded the 2003 Nobel Prize in Chemistry for discovering aquaporins, a family of water channels found throughout nature.



Newsha AJAMI

Chief Strategic Development Officer for Research in the Earth and Environmental Sciences Area, Lawrence Berkeley National Lab

Newsha Ajami uses data science principles to study the human and policy dimensions of urban water and hydrologic systems. She develops and leads interdisciplinary research initiatives at the nexus of water, energy and climate.



AMANO Hiroshi

Nobel Prize laureate in physics 2014

Hiroshi Amano is a Director at the Center for Integrated Research of Future Electronics, and a Professor at the Institute of Materials and Systems for Sustainability, Nagoya University. He shared the 2014 Nobel Prize in Physics with Professor Isamu Akasaki and Professor Shuji Nakamura.



Cheryl Lynn AMES

Associate Professor, Graduate School of Agricultural Science, Tohoku University.

Research Collaborator, Smithsonian Institution National Museum of Natural History

Originally from Canada, Ames obtained graduate degrees in Okinawa and the USA. Through collaborations with laboratories, museums, aquariums and fisheries agencies in Japan and internationally, she works to expand molecular tools to understand survival strategies of marine organisms.



Maude BARLOW

Author and Former Senior Advisor on Water for The UN General Assembly

Maude Barlow is a Canadian activist and author. She chairs the board of Washington-based Food and Water Watch and Ottawa-based Blue Planet Project. Maude co-founded the Council of Canadians and chaired its board for over three decades.



Photo by Alfred-Wegener-Institut-Kerstin Rolfes

Antje BOETIUS

Director, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Antje Boetius is a polar and deep-sea researcher. She is director of the Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research, and leads the Deep-Sea Ecology and Technology group at the Max Planck Institute for Marine Microbiology.



FUJIGAKI Yuko

Professor, Graduate School of Arts and Sciences, The University of Tokyo (Executive Vice President, The University of Tokyo)

Yuko Fujigaki's main focus is Science and Technology Studies (STS). She was the President of Japanese Society of Science and Technology Studies (JSSTS) from 2013 to 2016. She also was the Program Chair, joint meeting of 4S (Society for Social Studies of Science) and JSSTS in 2010.



Photo by Carina Kircher

Tim HUNT

Nobel Prize laureate in physiology or medicine 2001

Tim Hunt was awarded the Nobel Prize in Physiology or Medicine in 2001 for discoveries of key regulators of the cell cycle. Now retired, he was a principal research scientist at the Imperial Cancer Research Fund in London.



IMAMURA Fumihiko

Director and Professor, International Research Institute of Disaster Science, Tohoku University

Fumihiko Imamura is an expert on tsunami modeling, mitigation planning and education/awareness, conducting several field surveys and investigations as leader for earthquake and tsunami damage investigation. He has been leader of the Interdisciplinary Institute of Disaster Science since the 2011 Tohoku earthquake.



INAGAKI Fumio

Director and Principal Senior Scientist, Japan Agency for Marine-Earth Science and Technology (JAMSTEC). Professor, Department of Earth Sciences, Tohoku University

Fumio Inagaki is a geomicrobiologist, who explores microbial ecosystem functions, biogeochemical cycling, and geosphere-biosphere interactions in deep-sea and seafloor environments. He served as chief scientist for multiple research projects, including International Ocean Discovery Program (IODP), and promoted transdisciplinary science internationally.



IZUMI Takako

Associate Professor, International Research Institute of Disaster Science (IRIDeS), Tohoku University. Program Director, the Multi-Hazards Program of the Association of Pacific Rim Universities (APRU)

Prior to joining Tohoku University, Takako Izumi had more than 15 years of experience in the fields of humanitarian assistance, disaster risk reduction, and development with UN agencies (UNOCHA, UN-Habitat, UNDRR, etc) and an international NGO.



Paul MILGROM

Laureate in economic sciences 2020

Paul Milgrom is the Ely Professor of Humanities and Sciences in the Department of Economics at Stanford University and the recipient of numerous awards, including the 2020 Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel.

Panellists



Photo by NUS I-FIM

Konstantin NOVOSELOV

Nobel Prize laureate in physics 2010

Konstantin Novoselov is a Professor at the National University of Singapore and a part-time Professor at the University of Manchester, UK. An expert in condensed matter physics, mesoscopic physics and nanotechnology, he was awarded the 2010 Nobel Prize in Physics for his achievements with graphene.



OGUMA Kumiko

Associate Professor,
Department of Urban Engineering,
Graduate School of Engineering,
The University of Tokyo

Kumiko Oguma received her PhD in 2003 at the Department of Urban Engineering, the University of Tokyo. Her major is environmental engineering with special focus on water disinfection technologies, waterborne disease control and sustainable water supply systems.



OKI Taikan

Professor and the Special Advisor to the President, The University of Tokyo

Taikan Oki became an associate professor at The University of Tokyo in 1989 and got his PhD in 1993. He was also affiliated as the Senior Vice-Rector, United Nations University, Japan, and an Assistant Secretary-General, United Nations for 2016-2021.



Henk OVINK

Special Envoy for International Water Affairs, Kingdom of the Netherlands

As ambassador for water Henk Ovink is responsible for advocating water awareness, promoting water action and building (institutional) capacity on water security around the world. He leads the UN 2023 Water Conference on behalf of the Kingdom of the Netherlands, co-host of the conference.



SAKAGUCHI Hide

Executive Director, The Sasakawa Peace Foundation (SPF).
President, The Ocean Policy Research Institute (OPRI) of SPF

Previously, Hide Sakaguchi served as Executive Director at JAMSTEC (2018-2021), a principal research scientist at the CSIRO in Australia (1998-2002) and adjunct professor at the Earthquake Research Institute, The University of Tokyo (2002-2003). He has a PhD from the Graduate School of Agriculture, Kyoto University.



Dan SHECHTMAN

Nobel Prize laureate in chemistry 2011

Dan Shechtman is Distinguished Professor Emeritus at the Technion – Israel Institute of Technology. His Technion research is conducted in the Louis Edelman Center, and in the Wolfson Centre which is headed by him. He received the 2011 Nobel Prize in Chemistry for the discovery of quasicrystals.



Photo by A. Mahmoud, Nobel Prize Outreach

Adam SMITH

Chief Scientific Officer, Nobel Prize Outreach AB

Adam Smith is Chief Scientific Officer at Nobel Prize Outreach. He curates content for Nobel Prize Outreach's global science and society meetings and hosts the Nobel Prize Conversations podcast series. Adam's background is in scientific research and scientific publishing.



Photo by A. Mahmoud, Nobel Prize Outreach

Laura SPRECHMANN

CEO, Nobel Prize Outreach AB

Laura Sprechmann is CEO for Nobel Prize Outreach, the company that aims to spread knowledge and raise interest in the Nobel Prize-awarded achievements to a global audience, through digital media and international events.



TAKAHASHI Keiko

Senior Researcher and Professor, Global Consolidated Research Institute for Science Wisdom, Comprehensive Research Organization, Waseda University

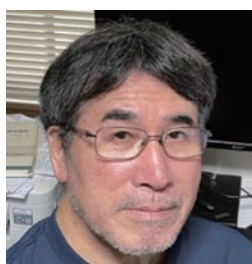
Keiko Takahashi received Dr. Eng. from Tokyo Institute of Technology and started her research at Kao Corporation and Computer Laboratory of University of Cambridge. She had been worked at Japan Agency for Marine-Earth Science as a researcher and director. She has been a professor at Waseda University since April 2021.



TAKEUCHI Sawako

Director (non-executive), HORIBA Ltd.
Professor, Tokyo College of Music

Sawako Takeuchi received double doctorates of engineering and economics for her studies of water management. She taught at Ecole National des Ponts et Chaussées in Paris, then at the University of Tokyo. She contributed to configurating the international framework setting for disaster.



TOSAKA Hiroyuki

Emeritus Professor of The University of Tokyo
Chairman of Geosphere Environmental Technology, Inc.

Hiroyuki Tosaka's research fields in the Univ. of Tokyo were reservoir engineering, applied geology, and hydrology / hydraulics. In 2000, he founded a venture company named as Geosphere Environmental Technology Inc. His main interest has been to make assessment / prediction / countermeasures for the geosphere water problems using numerical technology.



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Kurt WÜTHRICH

Nobel Prize laureate in chemistry 2002

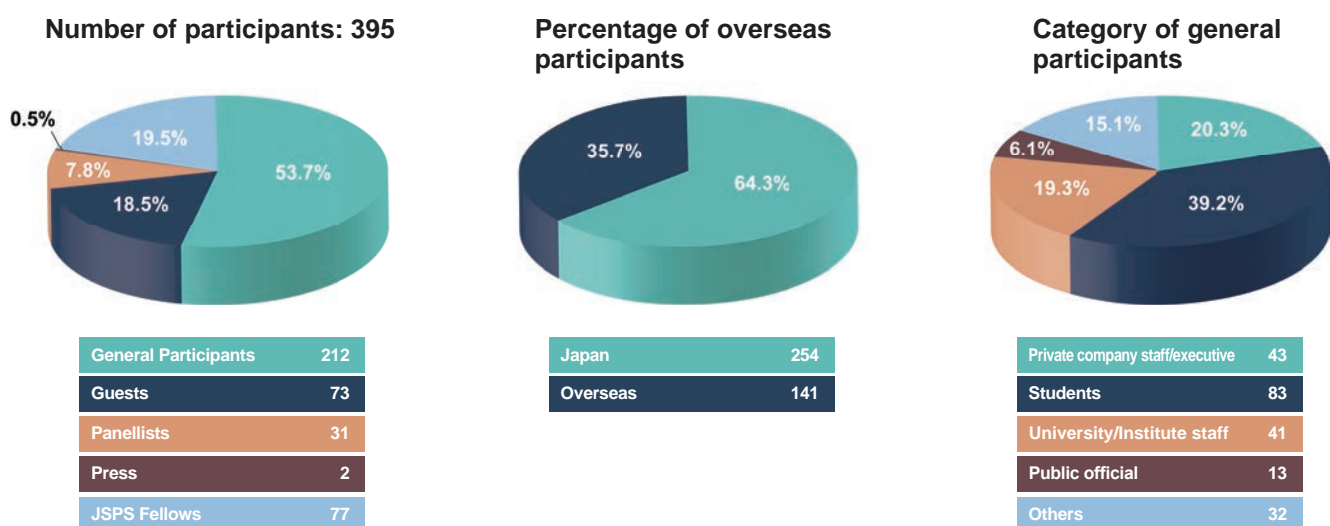
Kurt Wüthrich is Professor of Structural Biology at Scripps Research, La Jolla, California, United States, Professor of Biophysics at the ETH Zürich, Zürich, Switzerland, and Distinguished Senior Professor at the iHuman Institute, ShanghaiTech University, Shanghai, China.

Participants

As an international event, this year's Nobel Prize Dialogue Tokyo was attended by some 400 people hailing from countries/areas around the world. Numerous other people also viewed the Dialogue via live streaming on the event's official website and over social media. For perusal at any time, all of the lectures and panel discussions are archived on the following webpage:

<https://www.youtube.com/nobelprize>

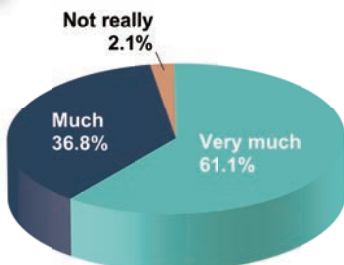
Regarding the participants at the venue, 64.3% of them were Japanese and 35.7% were from other countries/areas. Nearly 58.5% of the participants were students and university researchers/staffs.



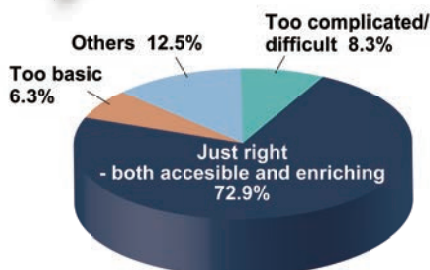
Number of participants per country/area

Australia	2	Egypt	4	Israel	1	New Zealand	3	Switzerland	3
Bangladesh	10	France	4	Italy	4	Pakistan	1	Taiwan	5
Cambodia	1	Germany	9	Japan	254	Poland	3	Thailand	2
Canada	4	Ghana	1	Kenya	1	Russian Federation	1	Ukraine	2
Chile	1	Hungary	1	Malaysia	4	Spain	3	UK	4
China	25	India	13	Nepal	1	Sri Lanka	3	USA	6
Colombia	1	Indonesia	6	Netherlands	1	Sweden	6	Others	5

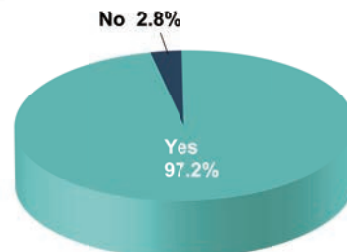
Did you enjoy the Nobel Prize Dialogue Tokyo 2022?



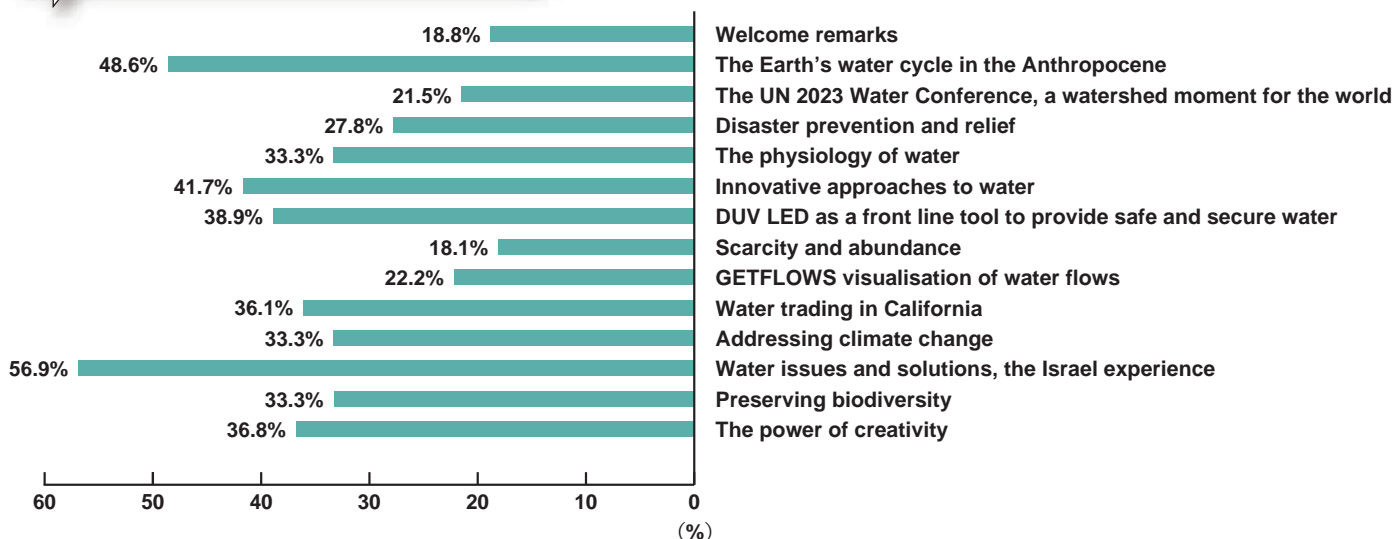
How did you find the overall content of lectures and panel discussions?



Would you attend another Nobel Prize Dialogue Tokyo?



What was your favorite session of the day's programme? (multiple answers)



Comments and Suggestions regarding the day's programme

- I found the Dialogue impressive and encompassing, covering a wide range of water-related issues. I was able to deepen my awareness of the water cycle and climate change.
- I was particularly impressed with the concise and fundamental speech delivered by Prof. Shechtman.
- Probably due to time constraints, much of the session was limited to brief overviews of each speaker's research and expertise. In my opinion, a little more discussion among the speakers would have been desirable.
- I have enjoyed a most inspiring and fulfilling opportunity to learn about such data from research results and insights that are not usually available in special features on television, in newspapers, and on other media programs.

Organizers

Japan Society for the Promotion of Science

The Japan Society for the Promotion of Science (JSPS), or Gakushin for short, is an independent administrative institution, established by way of a national law for the purpose of contributing to the advancement of science in all fields of the natural and social sciences and the humanities. JSPS plays a pivotal role in the administration of a wide spectrum of Japan's scientific and academic programs. While working within the broad framework of government policies established to promote scientific advancement, JSPS carries out its programs in a manner flexible to the needs of the participating scientists.

JSPS was founded in 1932 as a non-profit foundation through an endowment granted by Emperor Showa. JSPS became a quasi-governmental organization in 1967 under the auspices of the Ministry of Education, Science, Sports and Culture (Monbusho), and since 2001 under the Ministry of Education, Culture, Sports, Science and Technology (Monbukagakusho). Over this 70-year period, JSPS has worked continuously to develop and implement a far-reaching array of domestic and international scientific programs. On October 1, 2003, JSPS entered a new phase with its conversion to an independent administrative institution, as which it will strive to optimize the effectiveness and efficiency of its management so as to improve the quality of the services it offers to individual researchers, universities, and research institutes.

JSPS website <https://www.jsps.go.jp/english/index.html>

Nobel Prize Outreach

Nobel Prize Outreach spreads knowledge about Nobel Prize-awarded achievements and stimulates interest in science, literature and peace in line with Alfred Nobel's vision and legacy. The company reaches a global audience of millions through its high-quality productions: The official digital channels of the Nobel Prize, the Nobel Prize Concert, as well as a series of intercontinental, inspirational lecture events featuring Nobel Prize laureates.

Please visit: www.nobelprize.org

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Instagram: https://www.instagram.com/nobelprize_org/

LinkedIn: <https://www.linkedin.com/company/nobelprize/>

YouTube: www.youtube.com/nobelprize

Disclaimer: Nobel Prize Outreach is not directly or indirectly involved in the process of nominating or selecting Nobel Prize laureates. These procedures are strictly confidential and regulated by the Nobel Prize awarding institutions.

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Nobel Prize Dialogue Tokyo 2022 Organizing Committee Members

Chair

SUGINO Tsuyoshi President, Japan Society for the Promotion of Science

Member

IMAMURA Fumihiko Director and Professor, International Research Institute of Disaster Science, Tohoku University

OKI Taikan Professor, Graduate School of Engineering, The University of Tokyo

TAKADA Hideshige Professor, Institute of Agriculture, Tokyo University of Agriculture and Technology

TAKAHASHI Keiko Senior Researcher and Professor, Global Consolidated Research Institute for Science Wisdom, Comprehensive Research Organization, Waseda University

TORIGOE Hiroyuki Dean, Graduate School of Comparative Culture, Otemae University

FUJIGAKI Yuko Professor, Graduate School of Arts and Sciences, The University of Tokyo
(Executive Vice President, The University of Tokyo)

*Affiliation and Title are as of Nobel Prize Dialogue Tokyo 2022

Nobel International Partners



3M will collaborate with Nobel Prize Outreach over several years to bring light to important global issues, like the future of scientific education and sustainability. The partnership gives us the opportunity to jointly focus on educating, inspiring and engaging a broader audience on big issues that impact people's lives around the world.



ABB is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB's success is driven by about 110,000 talented employees in over 100 countries.



Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology, with over 300,000 team members in nearly 50 countries. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. Within the partnership, Capgemini aims to share knowledge globally, to jointly inspire people across borders and generations to engage in science, and to shed light on some of the greatest challenges of our time.



EQT is a purpose-driven investment organization focused on active ownership strategies. With a Nordic heritage and a global mindset, EQT has a track record of almost three decades of delivering consistent and attractive returns across multiple geographies, sectors and strategies. With its roots in the Wallenberg family's entrepreneurial mindset and philosophy of long-term ownership, EQT's investment strategies cover all phases of a business' development, from start-up to maturity.



Scania has a strong focus on research and development and is at the forefront in developing efficient and smart transport solutions and innovations. More than 3,500 researchers are working in the very forefront when it comes to future key areas as alternative fuels, connectivity, automation and electrification. The aim is to maintain and continue to develop a broad competence, ensuring that Scania retains its leading position within the automotive industry.

Event Partner



As a global leader in the beverage industry, Suntory Group offers a uniquely diverse portfolio of products from premium spirits, beer and wine to brewed teas, bottled water, carbonated soft drinks, ready-to-drink coffee and energy drinks, along with health and wellness products.

Founded as a family-owned business in 1899 in Osaka, Japan, Suntory Group has grown into a global company operating throughout the Americas, Europe, Africa, Asia and Oceania.

As a company that delivers blessings of water and nature to our customers, Suntory is committed to its mission to create harmony with people and nature. Always aspiring to grow for good, Suntory is devoted to giving back to society through protecting water resources, nurturing its communities and fostering the arts.

Special Thanks to

Ministry of Education, Culture, Sports, Science and Technology (MEXT), Ministry of the Environment (MOE), Ministry of Foreign Affairs (MOFA), City of Yokohama, Embassy of Sweden in Tokyo

Promotional Activities

Number of promotional activities of Nobel Prize Dialogue Tokyo 2022

Press release 3, JSPS Website 4, JSPS Monthly(email magazine) 2, JSPS SNS(Facebook) 2, JSPS Researchers Network 2, Academic society Website 6

Media

Bunkyo News (BUNKYO NEWS Co.,Ltd.)
12 September, 2022

The BUNKYO SOKUHO - flash report
(Kancho Tsushinsha Co., Ltd)
12 September, 2022

日本学術振興会 10月23日開催
ノーベル・プライズ・ダイアログ東京
日本学術振興会は10月23日、ノーベル・プライズ・アウトリーチAB（ノーベル財団広報部門）との共催により、ノーベル賞受賞者らが市民と対話する公開シンポジウム「ノーベル・プライズ・ダイアログ東京2022」をパシフィコ横浜会議センターで開催する。午前10時から午後5時まで。2014年にノーベル物理学賞を受賞した天野浩氏をはじめ、国内外のノーベル賞受賞者や著名研究者等が「Water Matters 水から考える持続可能な未来」をテーマに、気候変動や水資源など水にまつわる様々な事柄について科学的・社会的側面から迫る。参加は無料。特設ウェブサイト (<https://www.nobelprize.org/water-matters-tokyo-2022/ja>) で参加登録受付中。先着順。

令和4年 9月12日 (月曜日)

ノーベル・プライズ・ダイアログ東京
学術振興会が10月23日に公開シンポジウムを開催する。
日本学術振興会は、ノーベル・プライズ・アウトリーチAB（ノーベル財団広報部門）との共催により、ノーベル賞受賞者らが市民と対話する公開シンポジウム「ノーベル・プライズ・ダイアログ東京2022」を、10月23日(日)にパシフィコ横浜会議センターで開催する。
午前10時から午後5時予定。2014年にノーベル物理学賞を受賞した天野浩博士

をはじめ、国内外のノーベル賞受賞者や著名研究者らが「Water Matters 水から考える持続可能な未来」をテーマに、気候変動や水資源など水にまつわる様々な事柄について科学的・社会的側面から迫る。参加無料。9月9日から特設ウェブサイト (<https://www.nobelprize.org/water-matters-tokyo-2022/ja>) で参加登録受付中。先着順。

The Science News (The Science News Ltd.)
7 October, 2022

ノーベル賞受賞者ら水テーマに未来考える

10月23日に横浜で公開シンポジウム

日本学術振興会(杉野副理事長)は10月23日、世界各国のノーベル賞受賞者を含む著名な研究者や有識者らが社会にとって重要な問題を語り合う公開シンポジウム「ノーベル・プライズ・ダイアログ東京2022」をノーベル財団広報部門と共同で開催する。横浜市のパシフィコ横浜会議センターを会場とした対面とオンラインのハイブリッド方式で行われる。参加費は無料(要事前登録)。参加申し込みはウェブサイト(<https://water-matters.jp/ja>)で受け付けている。
今年テーマを「Water Matters 水から考える持続可能な未来」に、気候変動や水資源など水に関する様々な事柄について、科学的・社会的側面から議論される。
ノーベル賞受賞者のピーター・アケルシ氏(03年化学賞)、天野浩氏(14年物理学賞)、ティム・ハント氏(01年生理学・医学賞)、コンスタンチン・ノボセロフ氏(10年物理学賞)、ダニエル・シエトマン氏(11年化学賞)、クリスト・ウエーリッヒ氏(02年化学賞)の登壇を予定。また藤垣裕子氏(東京大学大学院総合文化研究科教授)、今村文彦氏(東北大学災害科学国際研究所所長・教授)、泉貴子氏(東北大学災害科学国際研究所准教授)、小熊久美子氏(東京大学大学院工学研究科准教授)、沖大睦氏(東京大学総務特別参与・教授)、アダム・スミス氏(ノーベル財団広報部門チーフ・サイエンティフィック・オフィサー)、高橋佳子氏(早稲田大学総合研究機構グローバル科学知能化研究所上席研究員・研究院教授)も登壇する。
お問い合わせはノーベル・プライズ・ダイアログ東京の0665運営事務局(コンタクト) en_inphiko_2022@engra.or.jp

Bunkyo News (BUNKYO NEWS Co.,Ltd.)

28 November, 2022

37 第2728号 (第三種郵便物認可) 文 教 ニ ュ ー ス 令和4年11月28日(月曜日)

日本学術振興会

ノーベル・プライズ・ダイアログ東京2022開催

日本学術振興会(JSPS)はノーベル・プライズ・アワードリチアB(ノーベル財団広報部門)と共に、10月23日、ノーベル・プライズ・ダイアログ東京2022をパシフィック横濱会議センターで開催した。



井出文科副大臣 スプレヒマンCEO 杉野JSPS理事長

発見したノーベル賞受賞者は次のとおり。
◎ピーター・アフレク氏(2003年ノーベル化学賞)
◎天野浩氏(2014年ノーベル物理学賞)

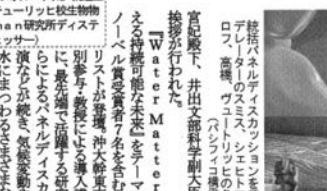
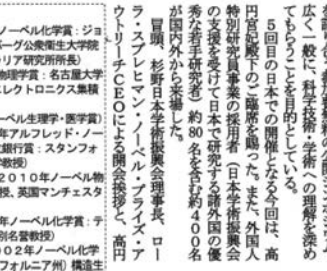
The BUNKYO SOKUHO - flash report (Kanchō Tsushinsha Co., Ltd) 28 November, 2022

8- 令和4年11月28日(月曜日) 文 教 遠 報 (第三種郵便物認可) 第9197号

日本学術振興会が開催

ノーベル・プライズ・ダイアログ

日本学術振興会(JSPS)はノーベル・プライズ・アワードリチアB(ノーベル財団広報部門)と共に、10月23日、ノーベル・プライズ・ダイアログ東京2022をパシフィック横濱会議センターで開催した。



右から杉野JSPS理事長、スプレヒマンノーベル・プライズ・アワードリチアCEO、井出文科副大臣

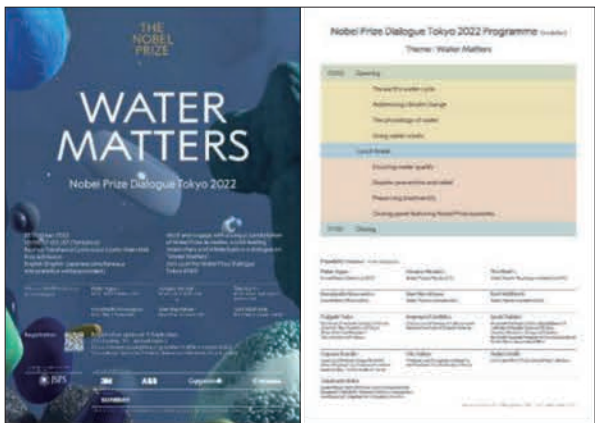
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◎天野浩氏(2014年ノーベル物理学賞)

Other Media News
24 October, 2022 Japan Times web

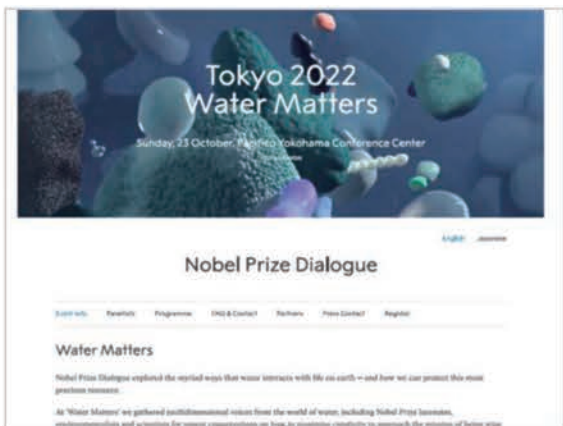
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Flyer(A4) (JPN/ENG)



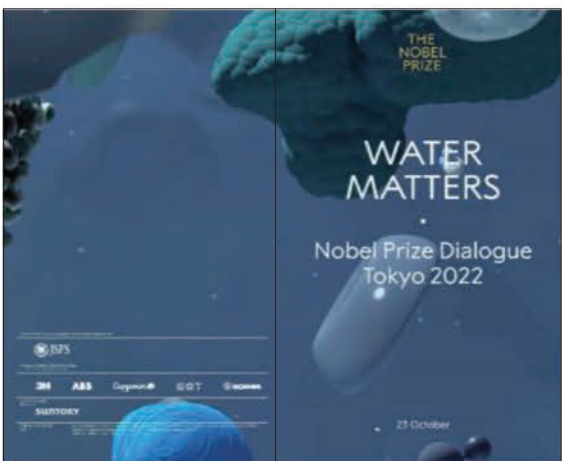
Official website (JPN/ENG)



JSPS website (JPN/ENG)



Programme 130x210mm (JPN/ENG) 16 pages



Roll ups 1,000x2,000mm

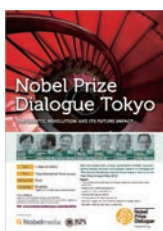


Nobel Week Dialogue and Nobel Prize Dialogue Tokyo

The Nobel Prize Dialogue Tokyo is an implementation in Japan of the "Nobel Week Dialogue," a symposium for the general public that Nobel Media AB (then) has held in Sweden every year since 2012 on the day before the Nobel Prize award ceremony. The Nobel Foundation sounded us out about the possibility of holding the event in Japan, and as a result of discussions with the Foundation and related organizations, the event was realized for the first time outside of Sweden in 2015, co-hosted by the Japan Society for the Promotion of Science (JSPS) and Nobel Media AB.

Following the success of the 2015 event, the fifth was scheduled to take place in 2021 after being held in 2017, 2018, and 2019 but was postponed due to the impact of COVID-19. In 2022, we held the fifth Nobel Prize Dialogue Tokyo, taking measures to prevent infection, such as introducing pre-recorded and online lectures and halving the size of the audience.

Nobel Prize Dialogue Tokyo 2015 :



The Genetic Revolution and its Future Impact

Panellists discussed cutting-edge findings in the life sciences and their impact on society, including the application of genomic analysis to medicine and the potential uses and risks of genetically modified foods.

Nobel Prize Dialogue Tokyo 2017 :



The Future of Intelligence

Prominent researchers in the field of artificial intelligence (AI) and industry leaders gathered to discuss the impact of AI technology development on science, industry, medicine, logistics, and other aspects of business and society.

Nobel Prize Dialogue Tokyo 2018 :



The Future of Food

With the threat of food shortages due to population growth, taking into account the historical and cultural background of each region, panellists discussed cutting-edge research initiatives for sustainable food development, and explored the implications for society in the future.

Nobel Prize Dialogue Tokyo 2019 :



The Age to Come

The event kicked off with the Introductory Talk on talk on "Why Population Ageing Matters" and featured current research on ageing prevention, how we should live in a longevity society, and the latest technology for the elderly, about which the participants shared ideas.

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