

# JSCE-At-A-Glance



As of November 1, 2020

## Japan Society of Civil Engineers

Planning Committee & Communications and Public Relations Center

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<http://www.jsce.or.jp> (JP) , <http://www.jsce-int.org> (ENG)



## JSCE Regular Membership

# 38k

Corporate Members

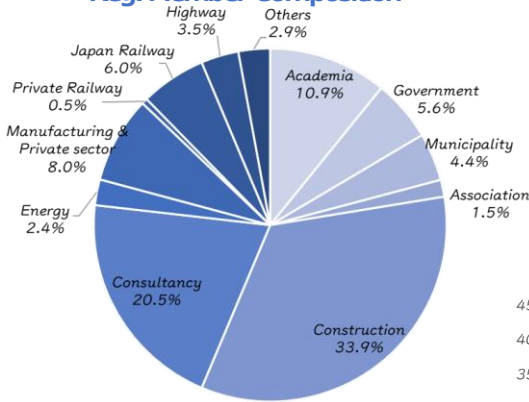
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Special Members

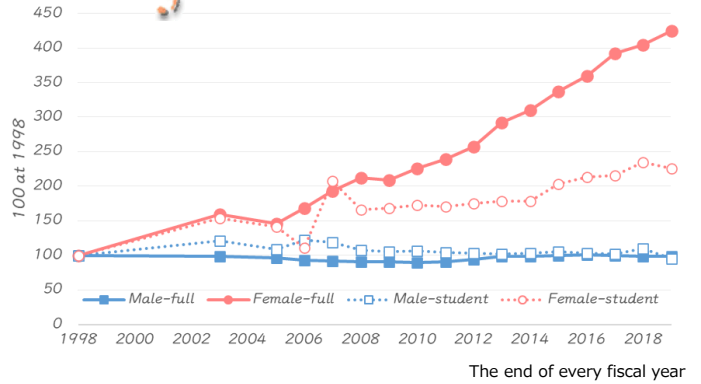
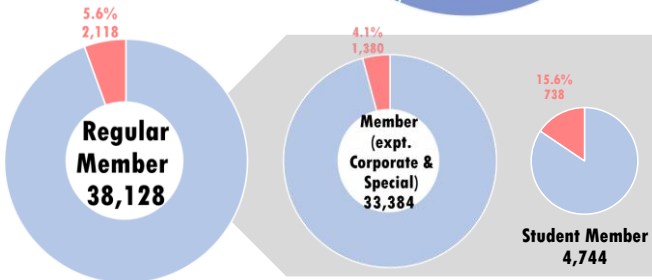
# 477

As of March 2020

### Reg. Member Composition



# 8

 Regional Chapters


**2,118 ♀ members: 5.6% of the JSCE members, quadrupled in the last 22 yrs.**

# JSCE2020-2024

~ Link up with Communities, Generations and Values, and Build a Future Society ~



**Goal 1 "Ensure Safe and Secure Environment"**  
Optimize sustainable land-use to ensure a safe and secure environment

**Goal 2 "Strengthen Internationalization"**  
Strengthen international competitiveness to implement quality projects overseas and contribute to solving global challenges

**Goal 3 "Increase Communication"**  
Communicate with technical & non-technical audiences, giving information from a fair & objective viewpoint, and systematize information collection & sharing

**Goal 4 "Enhance Human Resources"**  
Build the society in which future engineers can develop & use their abilities and a diverse group of engineers can take a role.

The action plan JSCE 2020-2024 sets forth 5 mid-term goals to accomplish in the next 20 to 30 years; it is broken down into specific activities.

<https://committees.jsce.or.jp/JSCE20XX/jsce2020>

# Civil Engineering Day November 18

Civil Engineering

# 土木

The kanji characters "土木" are composed with four kanjis: "土"="十:ten" & "一:one". "木"="十:ten" & "八:eight". They can be read as 11&18, November 18.

November 18 is the day that JSCE was established in 1879. We have observed Civil Engineering Day on November 18 since then.



土木の日  
**DOBOKU DAY**  
**NOVEMBER 18**

<http://www.jsce.or.jp/committee/day/>

## 448 Designated Civil Engineering Heritage

JSCE Civil Engineering Heritage program recognizes significant national and international civil engineering structures every year. JSCE started this program in 2000 in order to increase civil engineers' and public awareness and appreciation of civil engineering contribution to society and preserve significant civil engineering works.



Tokiwa Bridge (Chuo-ku, Tokyo)

### No. of Civil Engineering Heritage designated structures by JSCE Regional Chapter

	Hokkaido	Tohoku	Kanto	Chubu	Kansai	Chugoku	Shikoku	Seibu	Overseas	Total
<b>River &amp; Cost</b>	7	6	19	15	5	7	4	9		72
<b>Dam</b>	4	3	12	5	7	3	2	5	1	42
<b>Bridge</b>	12	9	46	21	32	11	11	18		160
<b>Road</b>	1	2	12	1	4	3	1	3		27
<b>Railway</b>	5	3	17	3	25	3	4	5		65
<b>Tunnel</b>	2	2	12	5	12	1	2	5		41
<b>Port &amp; Harbor</b>	6	3	5			1	1	3		19
<b>Water Supply &amp; Sewage</b>	4	4	15	4	5	1	1	5	1	40
<b>Power Plant</b>	6	1	7	4	3	1	1	1		24
<b>Irrigation System</b>		6	3	4	3	2		6		24
<b>Others</b>	4	5	10	2	6	9	3	4		43
<b>Total</b>	51	44	158	64	102	42	30	64	2	557

※ Some structures are counted in two and more categories

<http://www.jsce.or.jp/contents/isan/>

## 118 recipients in 13 award categories

JSCE Award Program has recognized significant projects and civil engineers who have made outstanding achievements since 1920. The JSCE Award Program has 13 awards/categories now and recognized 118 civil engineers, organizations and projects in 2019.

Major awards such as Tanaka Award, Yoshida Award and Outstanding Civil Engineering Achievement Award were established before the 1960s. These are considered to be highly prestigious award for the JSCE members.

<http://www.jsce.or.jp/prize/>



### JSCE Journal

JSCE Journal publishes peer-reviewed research papers in 19 titles in 8 areas as of 2020. 192 research papers written in Japanese and 20 ones written in English were published in 2019.

**8** areas, **19** titles  
**212** papers

<https://www.jsce.or.jp/collection/>

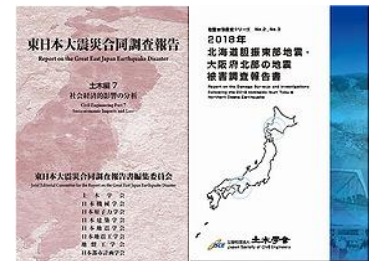
### Research & Study Committees

JSCE has Academic Research Dept. and 29 Research & Study Committees. They implement research projects, hold seminars, symposiums and workshops, develop design standards and others throughout the year. **166** technical, academic, social networking events with **20,890** participants in total in 2019.

**166** events  
**20890** participants

**10** publications

JSCE publishes various technical references such as design specifications, research reports, journals and others. **10** publications in 2019



### FY2020 Disaster Investigation and Analysis

JSCE responds swiftly in the event of disasters in & outside the country: it sets up a disaster-response headquarters and dispatches the teams of civil engineering professionals to disaster-affected areas to investigate, collect data and propose measures to mitigate disaster risks and prepare for future disasters. In response to Yamagata Earthquake in June, torrential rain and flooding in Saga in August, Typhoon 19 in October, investigation teams were dispatched **5 times**, in which **161 members** participated. Since 1999, the JSCE has dispatched 396 members in investigation teams 38 times.

In Jan 2019, the Typhoon 19 investigation team headed by the JSCE President proposed a flood risk management with river basin river basin management.

**5** times **161** members

<https://committees.jsce.or.jp/report/>

FY2020

5 targets

Respond to disasters timely & effectively and Communicate with the public

Recover from 2011 Great East Japan Earthquake Disaster and Prepare for Future Disasters

Strategically execute infrastructure development projects

Develop strategic infrastructure management & maintenance

Enhance networks and collaborative partnerships

5 targets are set to achieve in 2020 under the leadership of Dr. Ieda the 108<sup>th</sup> JSCE President.

### Go Online!

JSCE doesn't hesitate to move a step forward even under the COVID-19 pandemic: it has implemented remote work, run its business as normal as it can do, and hold online meetings, seminars and symposium one after another since March 2020.

On June 8, Symposium on railway infrastructure was held by Infrastructure Maintenance Committee, for example.



June to October 2020

As many as

48

events online

200

attendees/event

### JSCE Annual Meeting



2020 JSCE Annual Meeting was held online due to the COVID-19 outbreak. The very 1<sup>st</sup> online annual meeting! 3826 research paper presentations made, and total 33458 participants at the meeting.

3826 presentations

33458 participants



### P.E. Qualification & Professional Development Program

8058 registered Professional Engineers in the JSCE Civil Engineering Professional Qualification as of 2019. The qualification meets the MLIT's requirements for civil engineers in 57 areas.



8058

registered P.E.s as of 2019

Grade 6: 1001, Grade 5: 2098

Grade 3&4: 1670, Grade 1&2: 3289

<https://committees.jsce.or.jp/opcet/shikaku>

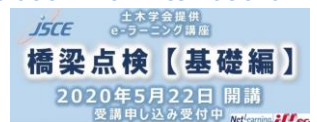


17362

CPD Courses offered by FY 2019

JSCE provides the members with JSCE CPD Program to support them to improve their professional abilities and skills, to manage their continuing education and license renewal requirements.

<https://committees.jsce.or.jp/opcet/cpd>  
JSCE, a pioneer of online CPD Program, has developed quality- & quantity-wise. In FY2019, "Introductory Civil Engineering Information Processing" and "Comparative Study of Disaster Management: floods, tsunamis, torrential rains" were offered on JMOOC. A full-year "Basic Bridge Maintenance" is offered in cooperation with International Maintenance Education Center, Nat'l Institute of Technology, Maizuru College.



<https://committees.jsce.or.jp/opcet/01e-learning>

### International Communication

Developing communication and network among civil engineers beyond borders is one of JSCE's missions. 52 seminars, symposiums and the like were held in collaboration with overseas counterparts and 303 participants from JSCE from 2004 to 2010.



2019 Int'l Workshop for Young Civil Engineers

52 Seminars & symposiums in collaboration with overseas counterparts

159 Members overseas

303 Participants from JSCE

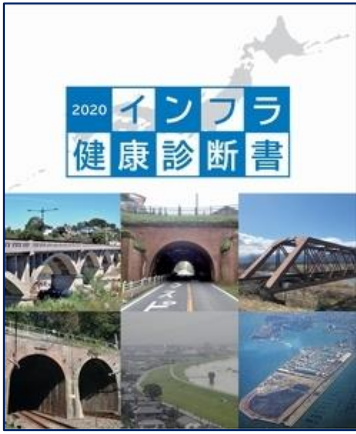
# Infrastructure Health Report

JSCE as an independent organization has assessed the conditions of infrastructure by condition index and published the results with analyses as Infrastructure Health Report since 2014. The report helps the users to aware of the conditions of infrastructures and problems, and to understand the importance of proper maintenance, management of infrastructure.

In FY 2019, JSCE issued Railway Infrastructure Health Report and published the picture book Railway Infrastructure Maintenance.

Furthermore, the JSCE issued a comprehensive Infrastructure Health Report in June 2020.

<http://committees.jsce.or.jp/reportcard/>



The radio show DOBO-Radi invites civil engineering professionals, supporters and fans to talk about their interests in civil engineering, favorite structures, anecdotes and the like around Tokyo. The show broadcasts on Chuo FM at 8 p.m. on every Wednesday.

## ドボクのラジオ

中央エフエム | 水曜20時(再放送:日曜12時)  
<http://doboradi.jsce.or.jp/>

The Civil Engineering Library Committee opened the online museum **DOBOHAKU** in FY2016



In FY2019, two online museums opened: "Dissection of Infrastructure in Central of Japan" and "Rivers: beautiful river scenery in 20 areas in Japan".

<http://www.dobohaku.com>



Facebook followers

**43455**

YouTube Registrants

**626**

As of October 2020

Communication with the public is very important. Not just via HP and news media, JSCE interacts with the public on SNS.

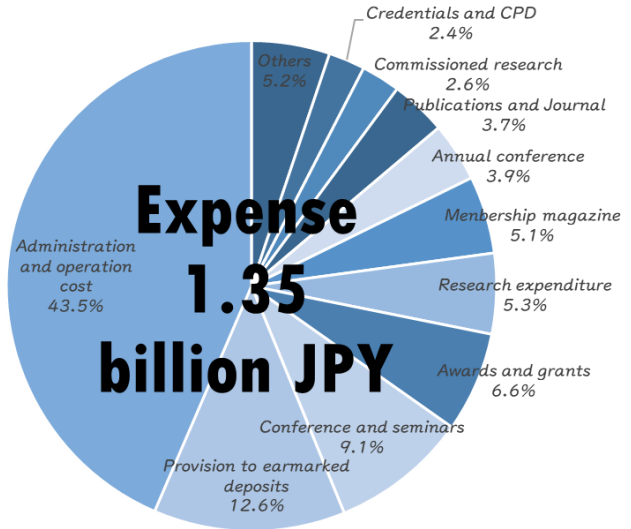
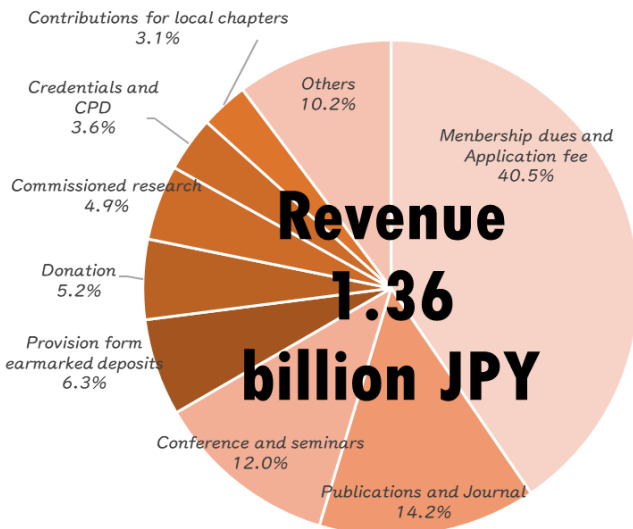
Twitter followers

**2356**

The exhibition **DOBOKU Collection 2019** visitors

**35000**

The **DOBOKU Collection** shows the unique and valuable films, photographs, maps, design drawings and documents which are stored in the JSCE Library.  
<https://dobokore8.webnode.jp/>



JSCE's revenue JPY **1.4** billion