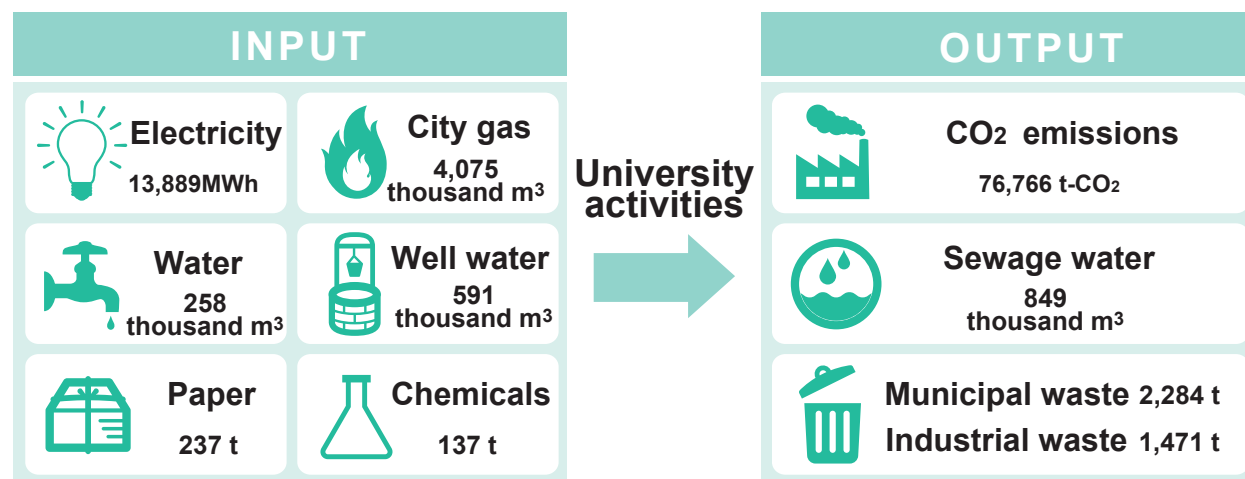


Environmental Impact by University Activities

Material Balance

The figure below shows the environmental burdens resulting from our activities (education, research, medical activities, and others) in 2016.



Energy consumption and CO₂ emission

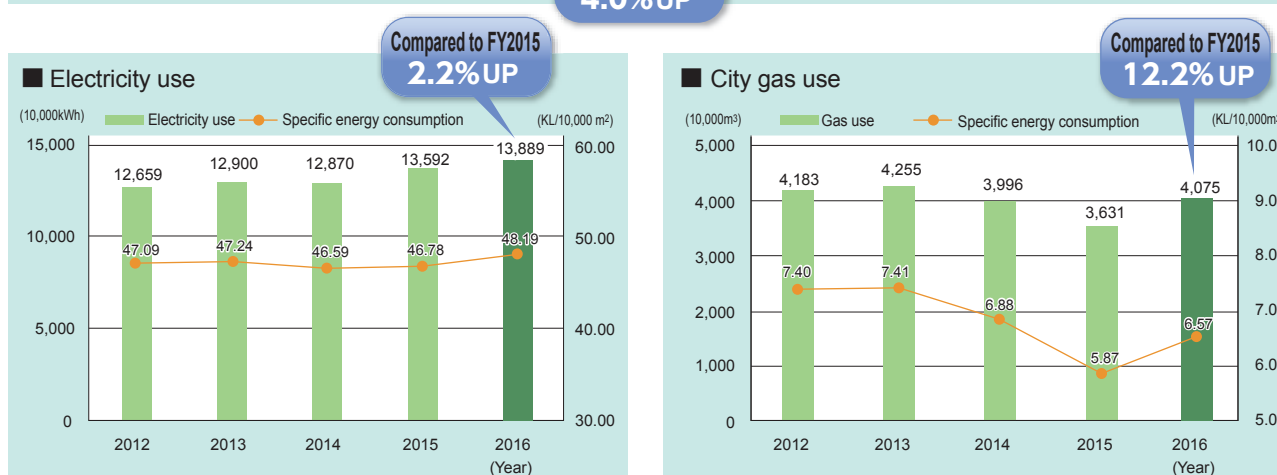
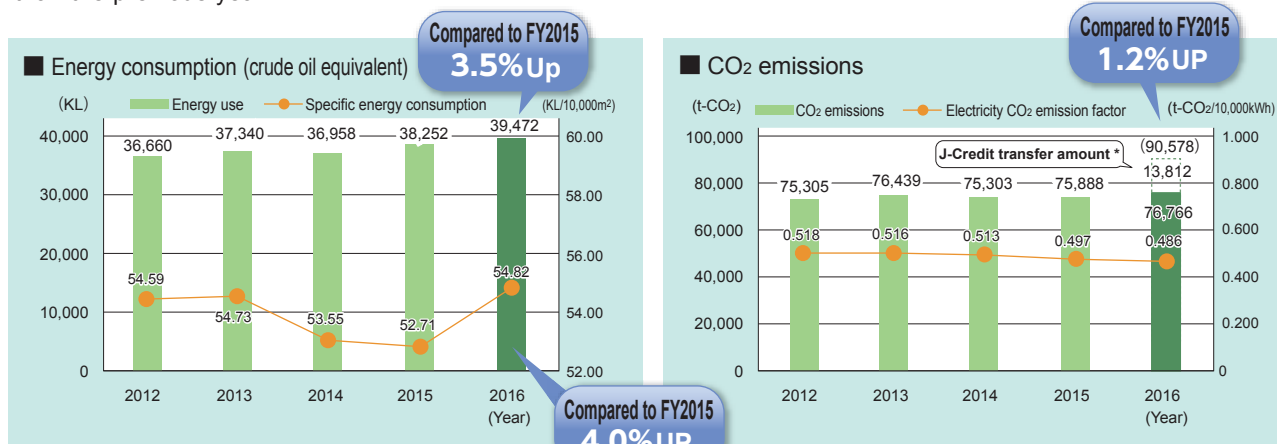
Energy consumption

Energy use in 2016 has increased by 3.2% over the previous year because of full operation of newly constructed buildings. It is also considered as one of the factors that average temperature in Nagoya city was 0.5°C higher in summer and 1.2°C lower in winter than the previous year.

CO₂ emission

Despite an increase in energy consumption of 3.2%, the increase of CO₂ emission kept to a mere 1.2% because of decline of CO₂ emissions factor.

* : For more information about J-Credit, please refer to P42 of the report.



NAGOYA UNIVERSITY

Nagoya University Environmental Report 2017 (Digest)

Education and research on the environment

Field Seminar on Environmental Issues (School of Informatics and Sciences)

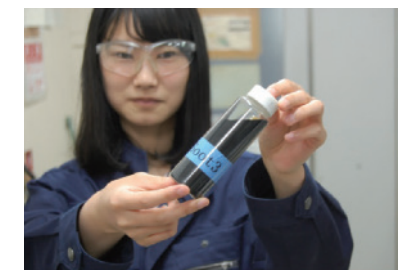
The School of Informatics and Sciences offers a field-trip coursework, "Field Seminar on Environmental Issues", as part of environmental education. The students usually learn about environmentally sound use of materials and energy in the global perspective. At the seminar, they visit and learn about waste treatment facilities and power plants. It is a fruitful opportunity for them to think about environmental issues from the viewpoint of daily life. (Featured on P15,16 of the Report)



Visit of Mega Solar Taketoyo Power Plant

Clean up automobile exhausts!

Catalyst Design Group (Graduate School of Engineering, Department of Materials Chemistry) is pursuing researches on automotive catalysts, fuel cells, and biomass conversions for improvement of the atmospheric environment and energy saving. This journal introduces the voices from students in the laboratory about interesting points, difficulties, and future prospects of their research. (Featured on P19,20 of the Report)



Soot from a diesel vehicle. She is studying effective combustion of soot collected in a ceramic filter.

Cover art competition for Environmental Report 2017

Cover art competition for Nagoya University Environmental Report 2017 was held to improve the recognition of the Report and create an opportunity to think about our environment. A number of wonderful photos, paintings, and graphics were submitted. After examining all the submissions, one work was selected for a cover art as a gold prize. Two other works were selected as silver prizes. Through this competition, we believe that more people in Nagoya University have an opportunity to know and read Environmental Report.

Winning cover artwork



[Gold Prize]
Asami Kawaguchi
Graduate School of Informatics
(Featured on the cover of the Report)



[Silver Prize]
Yoshie Sakakibara
School of Humanities
(Featured on P52 of the Report)



[Silver Prize]
Shiori Suzuki
Affiliated Upper Secondary school
(Featured on the back cover of the Report)

The prize winning missions are presented on page 54 of Environmental Report. Copies of Environmental Report are available at University libraries, public facilities, and local community centers. You can also look at Environmental Report online at the facility managed homepage.



Environmental Studies at the NU-Affiliated Secondary School

Environmental education is being carried out at the Nagoya University Affiliated Secondary Schools, where it takes advantage of the integrated lower and upper-level secondary education offered there. At the lower level, interest in natural phenomena and social environments is cultivated among middle school students through practical group research and fieldwork, while at the upper level, high school students are engaged in full-scale research based on the broader interests they developed at the lower level.



(Featured on P11,12 of the Report)

Treasure Trove of Flood Control Materials: "The Takagi Family Documents"

"The Takagi family documents" held by the Nagoya University Library are a collection of documents of the Nishi-Takagi family, which was one of "Hatamoto" -direct retainers of the Shogun. They are known to contain quite a lot of flood control data for the Kiso three rivers basin. They are being utilized for research as primary sources to investigate the natural environment, history, culture and technology of the basin, cooperating with local governments in the basin.



(Featured on P21,22 of the Report)

Multi-Generational Communication Space

This room is a co-working space usable with children, students, and other families or multi generations that was opened at NIC in 2015. This space presents a new style in life-work balance.



(Featured on P29 of the Report)

Woodism-City Project

The Graduate Schools of Agricultural Sciences and Environmental Studies have been conducting the "Woodism-City Project" in the university campus and urban areas of Nagoya city utilizing locally produced timber, in cooperation with stakeholders inside and outside the campus. It also introduces international movement and future prospects.



(Featured on P23,24 of the Report)

Students' Environmental Activities

Achievements of environmental activities by students in 2016 (Featured on P33 of the Report)

Executive Committee of MEIDAI-SAI (University Festival) by Students

Collected waste cooking oil used at MEIDAI-SAI



Waste oil : 170ℓ
 Recycled to animal feed and ink

Sold used books donated by campus and the local residents



Collection : 6,000 books
 Sale : 3,849 books
 To the new owner

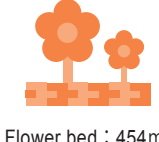
Student Environmental Circle "Song of Earth"

Reuse of goods for student daily life



Handling items : 234 items
 Visitors : 204 people

Planting flowers



Flower bed : 454m²
 Flower pots : 60 pots
 Seeding : 500ℓ seeds
 Planting : 1,200 plants

Garbage picking on campus



Garbage : 2 bags
 Less than thought!

Environmental workshop at MEIDAI-SAI- Handicraft toys from wastes



Participant : 50 pairs of parent and child
 Toy-making using plastic bottles

Student Circle "NAGONEKO" for Stray Cats on Campus

Spayed and neutered : 2 cats
 Adoption : 8 cats
 Temporary keeping : 1 cat



Treatment of stomatitis : 2 cats
 Passed away : 3 cats
 Missing : 2 cats

Product Planning for "Meidai Gelato", Utilizing J-Credits

A class where students themselves devised and then presented a sales promotion plan for environmentally friendly products "Meidai Gelato" is introduced, which was carried out in cooperation with a private sector as part of the Liberal Arts and Sciences Course "Industrial Society and Companies".



(Featured on P9,10 of the Report)

Future of Asia Created by Women Leaders

This program is a fusion-type program that fosters women leaders who can solve problems from the viewpoint of science with the keywords of "food, health, environment, social systems, and education".



(Featured on P13,14 of the Report)

Efforts of the Education and Research Center for Sustainable Co-Development

The center is providing a support for reforestation activities which Brother Industries, Ltd. began in 2008 at former ski resort in Gujo City, Gifu Prefecture, such as by conducting surveys and offering advice academically, with the goal of realizing a more diverse ecosystem.



(Featured on P25,26 of the Report)

A Graduate's Career

Kumiko Sawabe graduated from the Graduate School of Environmental Studies. She is now working at Lake Biwa Museum as a curator. In the article, she talks about her research while a university student, which was a trigger to aim to become a curator, and her work making use of her research results.



(Featured on P32 of the Report)

