

2018

# DATA

OF KUMAMOTO UNIVERSITY



**Kumamoto University**

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## 1 Vision and Goals

### — Vision —

Kumamoto University aims to contribute to the community and global society by cultivating intelligent, moral, and skillful people, while working for the creation, inheritance, and development of knowledge, following the spirit of the Fundamental Law of Education and the School Education Law.

### — Goals —

#### Education

In order to cultivate unique, creative people, the university provides a comprehensive education based on a consistent philosophy followed by all our undergraduate departments and graduate schools.

Our undergraduate departments, with the help of a broad education, inculcate in students the abilities of international communication, adapting to the information age, and thinking and acting independently.

Our graduate schools cultivate highly specialized workers with comprehensive reasoning ability, technical knowledge, and internationally recognized skills, in addition to deep insight into human beings and nature, on the basis of the undergraduate education that the workers have received.

As an institution that is open to the public, the university offers a place where people can engage in lifelong learning.

#### Research

The university strives to protect and develop humankind's cultural heritage, while enhancing its capabilities to function as a center of advanced academic research and proactively promote cutting-edge, creative academic research.

In addition, by making use of its unique features, comprehensively deepening knowledge in the fields of human science, social science, and natural science, as well as promoting interdisciplinary research, Kumamoto University is working to contribute to the harmonious coexistence of humans and the environment, as well as sustainable societal development.

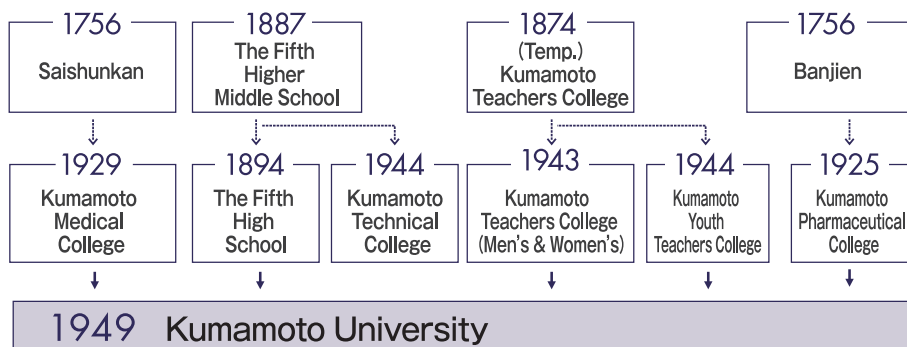
#### Contributions to local and global communities

As a university located in a regional hub city, the university will strengthen its cooperation with the local community and serve the functions of being a central research facility and cultivating leaders in the local community. By striving to convey our academic culture to the world, the university will contribute to the promotion of local industry and to advancing the provision of information about the culture.

In addition, the university strives to promote international intellectual exchange, educate international students, and train graduate students capable of producing a bilateral international exchange.

## 2 History and Organization

A long tradition and history of **260** years since Saishunkan established, and **130** years since The Fifth Higher Middle School established. The University rooted in the community and showing an international presence.



2004 National University Corporation Kumamoto University

Apr. 2018 National University Corporation Kumamoto University

Faculties	Faculty of Letters Faculty of Education Faculty of Law Faculty of Science Faculty of Medicine Faculty of Pharmacy Faculty of Engineering
Graduate Schools	Faculty of Humanities and Social Sciences Graduate School of Science and Cultural Sciences Faculty of Advanced Science and Technology Graduate School of Science and Technology Faculty of Life Sciences Graduate School of Medical Sciences Graduate School of Health Sciences Graduate School of Pharmaceutical Sciences Graduate School of Education Graduate School of Teacher Education School of Law
Diploma Course	Diploma Course in Special Needs Education
Special Course	Yogo Teacher Training Special Course
Research Institutes	Institute of Molecular Embryology and Genetics Institute of Pulsed Power Science

Adjunct Facilities and Organizations
University Hospital University Library Health Care Center Priority Organization for Innovation and Excellence Kumamoto Innovative Develop Organization Organization for Globalization Headquarters for Admissions and Education International Research Center for Medical Sciences International Research Organization for Advanced Science and Technology Student Accessibility Support Room University Archives
Inter-Department Institutes for Education and Research
Center for Management of Information Technologies College of Cross-Cultural and Multidisciplinary Studies The Memorial Museum of the Fifth High School EISEI-BUNKO Research Center Research Center for Instructional Systems Center for Water Cycle, Marine Environment, and Disaster Management Magnesium Research Center Institute of Resource Development and Analysis Center for AIDS Research Environmental Safety Center Research Center for Buried Cultural Properties

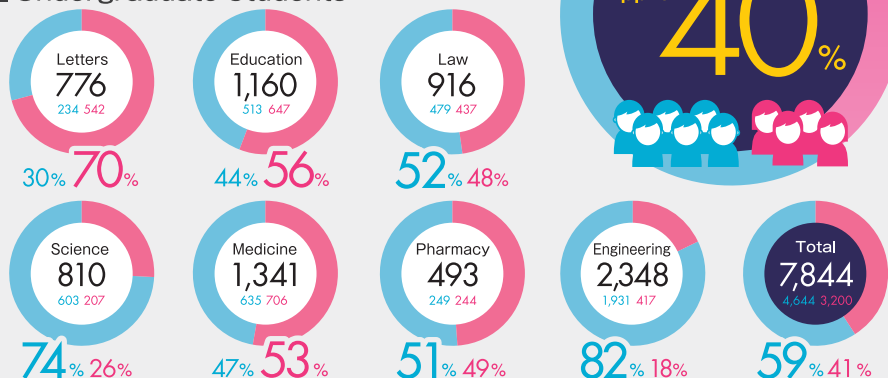
### 3 Student Enrollment · Student Admission

#### 【Student Enrollment】

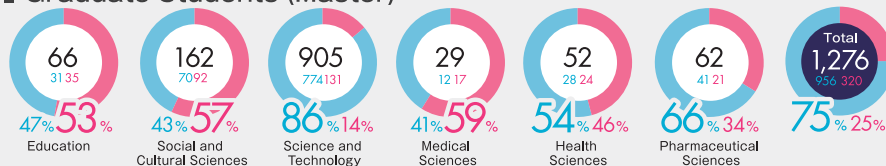
11,255 students, including attached schools

Male 6,801 Female 4,454

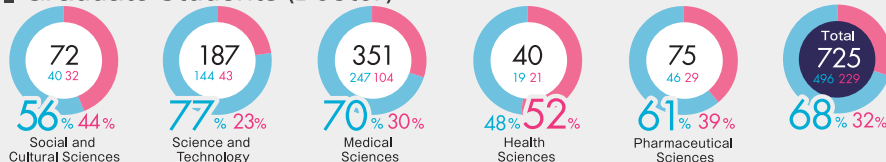
#### ■ Undergraduate Students



#### ■ Graduate Students (Master)



#### ■ Graduate Students (Doctor)



#### ■ Professional Graduate School

Master of Education 28  
School of Law 4

#### ■ Diploma Course and Special Course

58

#### ■ Attached Schools

Kindergarten 132 Junior High School 479  
Elementary School 648 Special Support School 61  
Total 1,320

#### 【Student Admission】

In Kumamoto University, students are gathered from all over Japan, mainly in Kyushu.

Applicants: 5,025  
Kyushu 4,461 Others 564

Newly Enrolled Students: 1,743  
Kyushu 1,604 Others 139



## 4 Education

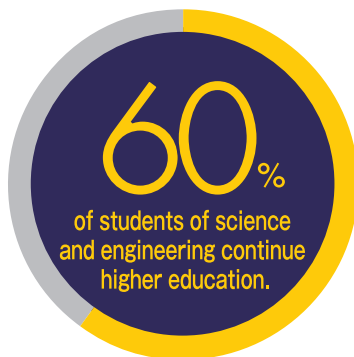
Degrees Awarded  
(FY2017)

2,498

Bachelor: 1,760

Master: 585

Doctor: 153



- 75% of graduates find employment at local Kyushu, including Kumamoto. We have produced a wide range of human resources to contribute to the local communities.
- In FY2017, 31% of 1,760 graduates have advanced to graduate schools. 60% of undergraduate students of science and engineering have continued higher education.
- Total of graduates reached to 84,789. They are active in various fields of the society.

Education  
System

7

Faculties and

7

Graduate Schools

### Faculties

Faculty of Letters  
(4 departments)

Department of Integrated Human Studies  
Department of History  
Department of Literature  
Department of Communication and Information Studies

Faculty of Education  
(4 Curricula)

Elementary School Teacher  
Junior High School Teacher  
Special Needs Education Teacher  
School Health Teacher

Faculty of Law  
(1 department and 2 courses)

Department of Law  
• Law and Public Policy Studies Course  
• Advanced Leader Course

Faculty of Science  
(1 department and 5 courses)

Department of Science  
• Mathematics  
• Physics  
• Chemistry  
• Earth and Environmental Sciences  
• Biology

Faculty of Medicine, School of Medicine

Faculty of Medicine,  
School of Health Sciences  
(3 courses)

Course of Nursing  
Course of Radiological Sciences  
Course of Medical Laboratory Sciences

School of Pharmacy  
(2 departments)

School of Pharmacy  
School of Pharmaceutical and Life Sciences

Faculty of Engineering  
(4 departments)

Department of Civil and Environmental Engineering and Architecture  
Department of Mechanical and Mathematical Engineering  
Department of Computer Science and Electrical Engineering  
Department of Materials Science and Applied Chemistry

### Graduate Schools

Graduate School of Education

Graduate School of Social and Cultural Sciences

Graduate School of Science and Technology

Graduate School of Medical Sciences

Graduate School of Health Sciences

Graduate School of Pharmaceutical Sciences

School of Law

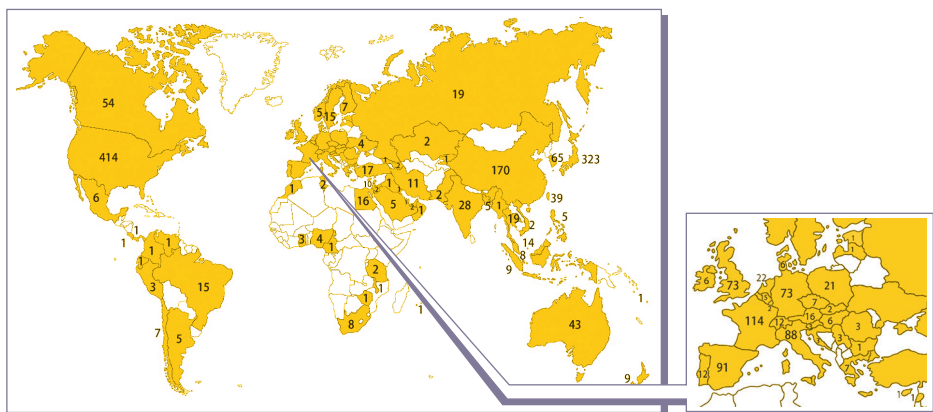
## 5 Research

### Publications



- Based on "The Essential Science Indicators (SM)" database by Clarivate Analytics.
- The number of citations for 10 years from January 2008 to April 2018.
- This ranking is not a ranking of universities, but is a research institution ranking that includes not only universities but also research institutes such as laboratories and companies.

### Institutions Collaborating with Kumamoto University (2009–2018)



## 5 Research

### Advanced Research Projects

Kumamoto University set three support stages, “Globally advanced Research”, “Excellent Research Projects”, and “Challenging Research Projects”, to encourage and support according to each stage from project starting to world best research.

#### Globally-advanced Research (4 groups)

Four groups, which have been selected for the Global COE program in the past, have established a world-class education and research core, and have developed human resource leading the world. They represent Kumamoto University as the world's highest-level advanced and leading research groups.



Group	Leader / Subleader
Stem-Cell Based Tissue Regeneration Research and Education Unit	NISHINAKAMURA Ryuichi / ERA Takumi
International Research Center Aiming at the Control of AIDS	TAKIGUCHI Masafumi / SUZU Shinya
Pulsed Power Science and Application	KATSUKI Sunao / HOKAMOTO Kazuyuki
International Research Core for Advanced Magnesium Alloys	KAWAMURA Yoshihito / TAKASHIMA Kazuki

#### Kumamoto University Excellent Research Projects and Challenging Research Projects (Starting from FY2017)

##### •Kumamoto University Excellent Research Projects (8 projects)

The Kumamoto University Excellent Research Projects aims to develop world-leading research areas that represent the potential of Kumamoto University. It focuses on nurturing researchers who are already highly successful in their respective fields so that they may pass their knowledge on to future generations. Only the most highly evaluated projects are approved for the three-year funding support.



Project	Researcher
Elucidation of the common mechanism between cancer and mental disorder through LINE-1 analyses	BABA Hideo
Next-Generation Drug Discovery Research Using Unique Libraries	SUGIMOTO Yukihiko
COE for Study on Japanese Early Modern History by comprehensive analysis of material of the Kumamoto Domain	INABA Tsguharu
Research core for aging and healthy life expectancy	TOMIZAWA Kazuhito
The Molecular Agriculture - From Kumamoto to the world -	SAWA Shinichiro
Development of functional materials using 2D-materials	IDA Shintaro
Mechanisms of leukemogenesis by chronic infection and inflammatory stress: adult T-cell leukemia as a model	MATSUOKA Masao
Materials Interface Architecture towards Innovative Structural and Functional Materials	TSUREKAWA Sadahiro

##### •Kumamoto University Challenging Research Projects

Bold research projects with the potential for revolutionizing established concepts and changing the direction of academia fall within the framework of Kumamoto University Challenging Research Projects. These programs aim to revitalize research that may represent the future of Kumamoto University and are funded for one year.



## 6 Industry-Government-Academia Collaboration

[Industry-Government-Academia Collaboration]

Asia Pacific's Most Innovative  
Universities 2018 by Reuter

Top **10** in Japan 

### Joint and Commissioned Research Projects

Kumamoto University promotes joint research projects and commissioned research projects in order to cooperate with the industries with "Kumamoto Innovative Development Organization" as the contact point.

Total number of joint and  
commissioned research projects  
in FY2017:

**668**

Increased by  
**2.2 times**  
compared to  
FY 2007

Joint research funding received  
from private companies in FY 2016:

Among Japanese universities with  
1000-1500 researchers

Top **5**

\* MEXT "Report on the status of  
implementation of industrial cooperation  
in universities (2016)"

## 7 Regional Contribution

### Reconstruction Support for the 2016 Kumamoto earthquakes

At Kumamoto University, we have set up a satellite laboratory to be a mediator between the government and the residents, while experts communicate with the residents at the site of the reconstruction.

#### Satellite "Mashiki Labo"

We organize events for  
local residents in cooperation  
with private companies.



#### Support for restoration and utilization of disaster-stricken cultural buildings including Kumamoto Castle

We set up a mechanism to  
support the restoration and  
utilization of disaster-stricken  
cultural and historical buildings,  
including Kumamoto Castle.



### Project to support volunteer activities

The project provides support for shelter management, support to move to temporary housing, education support for children in shelters, and support for the sightseeing sites damaged by harmful rumors by advertising through the web.

Student Volunteer  
Registration in FY2017

**211**

Total number of  
volunteers

**1,261**

Newly launched  
volunteer groups

**2**

## 8 Global Engagement

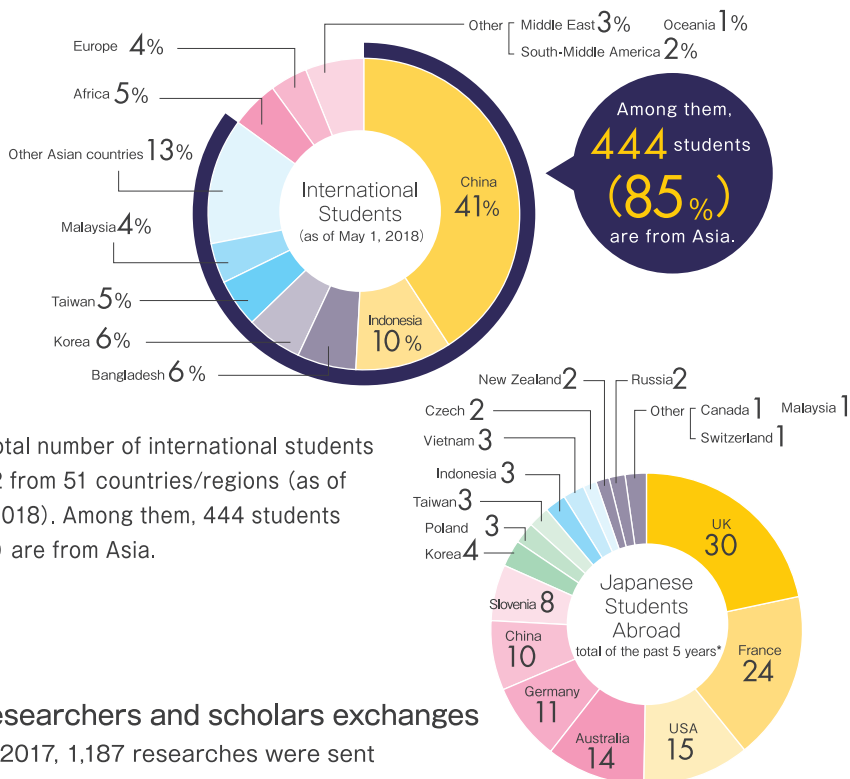
### ■ International exchange agreements

We actively promote exchanges with top global universities as a university leading globalization of the region.

As a university leading the globalization of the region, Kumamoto University positively promotes exchanges with the top universities in the United States, Europe and Asia under the slogan "A Leading University Cultivating Global Leaders from Kumamoto". We have signed international exchange agreements with 246 institutions in 51 countries/regions around the world (as of September 2018).

We have signed international exchange agreements with **246** institutions in **51** countries/regions around the world

### ■ International students and Japanese students studying abroad



The total number of international students is 522 from 51 countries/regions (as of May 2018). Among them, 444 students (85%) are from Asia.

### ■ Researchers and scholars exchanges

In FY2017, 1,187 researches were sent abroad and 381 foreign researchers visited to Kumamoto University.

\*only students dispatched to partner universities from more than 3 months to less than 1 year.

## 8 Global Engagement

### • Kumamoto University Short-Term Exchange Program

This program is designed for full-time undergraduate students who are from universities that have a student exchange agreement with Kumamoto University, and have foreign citizenship.

### • Kumamoto University Japanese Studies Program

This one-year program is intended for undergraduate international students who are majoring in fields related to Japanese language and culture.

### • Japanese Language Classes

The College of Cross-Cultural and Multidisciplinary Studies offers Japanese language classes for international students and researchers at Kumamoto University.

### • Kumamoto University Summer and Spring Programs

Kumamoto University offers two short-term study programs for undergraduate students from our partner universities.



### The Kumamoto Area

Kumamoto Prefecture, the home of Kumamoto University, is located in the center of Kyushu and boasts a unique history and culture, fresh groundwater and abundant nature. The capital, Kumamoto City has been flourishing as a castle town since 1607 when Kumamoto Castle was fortified by Lord Kiyomasa Kato, a military commander. The city presently has a population of over 740,000, and continues to develop as an administrative, economic and cultural center and as a base for health care and education in central of Kyushu.

## 8 Global Engagement

### 8 overseas offices in 6 countries

Overseas offices are established aiming to service as a base of research and educational exchange, to promote joint researches with foreign researchers and to disseminate information on Japan and Kumamoto University.

Kumamoto University Liaison Office at KAIST <Korea>

Global Academic-Industry Collaboration Satellite Office in Shandong University <China>

Kumamoto University Liaison Office at ITS <Indonesia>

Kumamoto University Dalian Office <China>

Kumamoto University Sudan Office <Sudan>

Six National Universities Network (SUN) Changchun Joint Office <China>

Six National Universities Network (SUN) European Platform of SixERS <The Netherlands>

Six National Universities Network (SUN) Bangkok Office of AP-SixERS <Thailand>

### Ministry of Education, Culture, Sports, Science and Technology (MEXT) TOP GLOBAL UNIVERSITY PROJECT



In 2014, Kumamoto University was selected as one of 37 universities to take part in the Top Global University Project, implemented by the Ministry of Education, Culture, Sports, Science and Technology. Our slogan “A Leading University Cultivating Global Leaders from Kumamoto” reflects educational reforms which aim to transform Kumamoto University into a truly global university and help us become established and ranked as a world-class institution with state-of-the-art research centers.

### Select Achievement

Number of KU Global Youth  
Campus Program participants

643 (FY2017)

(The KU Global Youth Campus Program aims to develop and provide a global education environment through a variety of learning experiences and events for young people who are preparing for higher education.)

Number of international  
double-degree programs

16 (FY2017)




## 9 University Library

More than  **1,250,000** books

More than **17,000** titles of electronic journals




Foreign books

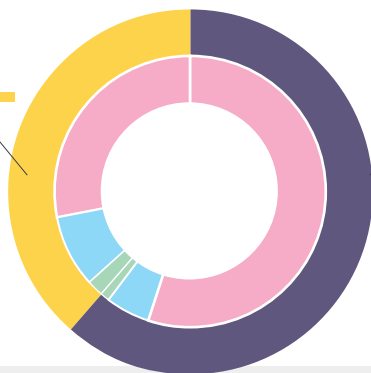
**482,340**

 Central library  
**351,223**  
 Medical library  
**107,662**  
 Pharmacy library  
**23,455**

Japanese books

**773,635**

 Central library  
**692,100**  
 Medical library  
**65,616**  
 Pharmacy library  
**15,919**



The University Library is composed of the Central Library, the Medical Library and the Pharmacy Library. Approximately 510,000 visitors and rental of 63,000 books in a year.

## 10 University Hospital



Average number of outpatients per day:

**1,498**



Number of beds:

**848**



Number of staff members:

**2,181**

, including

**835**



nursing staff members



**32**

clinical departments

Number of patients

Cumulative total number of outpatients:

**365,485**

Average number of outpatients:

**1,497.9** per day

Cumulative total number of inpatients:

**272,530**

Average number of inpatients:

**746.7** per day

(\*number of patients as of FY2017)

Kumamoto University Hospital is dedicated to excellence in patient care, developing improved methods of healthcare, and developing health professionals and students. Members of the staff also contribute communities for their welfare health.

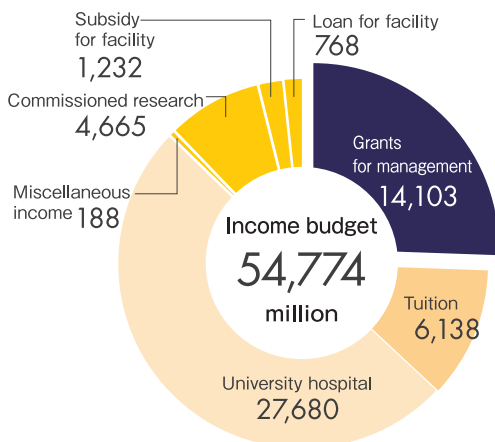


## 11 Budget Breakdown

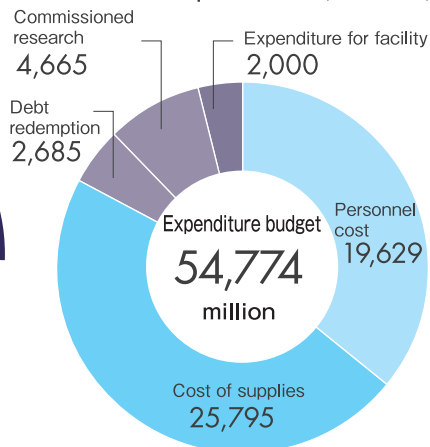


Budget for FY2018: **54.7 billion yen**

[Statements of Income (FY2018)]



[Statements of Expenditure (FY2018)]

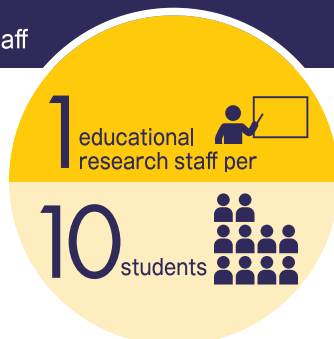
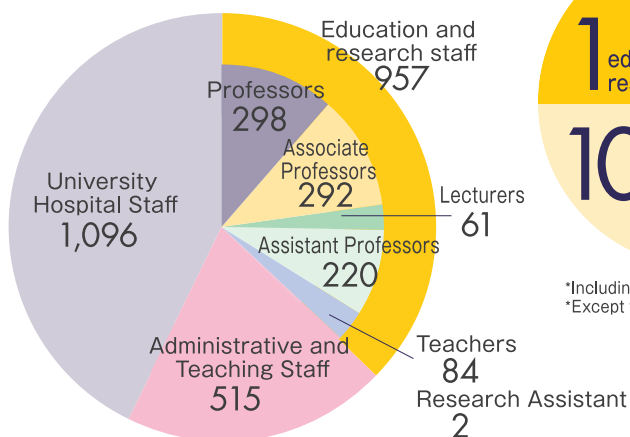


## 12 University Personnel

As of May 1, 2018, Number of University Personnel is

**2,568**

Including **957** education and research staff



\*Including parental leave etc.  
\*Except for the fixed-term employment staff

## 13 Kumamoto University Museums

The main building of the former Fifth High School, now the Memorial Museum, is the symbol of Kumamoto University. The building has been designated as a National Cultural Property.



The Memorial Museum of the Fifth High School (National Cultural Property)  
\* It is currently closed because of Kumamoto earthquake in 2016.



The Front Gate (National Cultural Property)



The Chemical Laboratory of the Fifth High School  
(National Cultural Property)



Museum of the Engineering Faculty (National Cultural Property)  
\* It is currently closed because of Kumamoto earthquake in 2016.



Yamasaki Hall (Registered Tangible Cultural Property)



Higo Iku Museum (Higo Iku Monument Hall)



The Kumayaku Museum (Kumayaku Alumni Hall)

## 14 University Campuses

Kumamoto City, the City of Water and Forest

The total area of Kumamoto University, which is located in the center of Kumamoto City, is approx.

**660,000** square meters.



Kurokami Campus



Honjo Campus



Oe Campus



Suizenji Park



Dolphins at Amakusa



Kumamoto Castle



Winter in Aso



Manda coal mine  
(UNESCO World Heritage)

# 創造する森 挑戦する炎

井上雄彦 記す



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