

# JAPAN

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Cooperating organizations:

Ministry of Education, Culture, Sports, Science and Technology (MEXT)  
Science, Innovation and Development Unit, Economic and Scientific Affairs, U.S.  
Embassy Tokyo

Participating schools (2023&2024):

- Elementary School
  - Renkouzi Elementary School
  - Kumano Fukuyama City Elementary School
  - Kasukabe City Ushijima Elementary School
- Junior High School
  - Omagi Junior High School
  - Tokyo Gakugei University Koganei Secondary School
  - Tokushima Prefectural Johnouchi Secondary School
- Junior and Senior High School
  - Nanzan Girls' Junior&Senior High School
  - Seishin Junior High School / Seishin Girls' High School
  - Showa Gakuin Junior High School & High School
  - Hiroshima University-affiliated Fukuyama Junior & Senior High School
  - Toyo University Ushiku Junior & Senior High School
- High School
  - Osaka Wakaba High School
  - Rankoshi High School
  - Ujiyamada High School
  - Hachiman Technical High School
  - Kanagawa Prefectural Ikuta High School, Japan
  - Kyoto Kaiyou High-school, Japan
  - Prefectural Ayabe HighSchool ,East Branch, Japan

## ***REPORT FOR 2023***

- *Kasumi High School, Japan*
- *Hiroshima Prefectural Gionkita High School*
- *Aomori Prefectural Nakui Agriculture High School*
- *Shizuoka Jyohoku High School*

### Funding by:

Ministry of Education, Culture, Sports, Science and Technology (MEXT)

### GLOBE protocols used in country:

Atmosphere (Cloud, Temperature, Barometric pressure, Relative Humidity etc)  
Hydrology (Water Transparency, Water Temperature, Dissolved Oxygen, Salinity, Electrical Conductivity, Freshwater Macroinvertebrates etc)  
Pedosphere (Soil Characterization, Soil Moisture etc)  
Biology (Land Cover, Biometry etc)  
Phenology (Green-up, Green-down, Seaweed reproductive phenology)

### Number of schools currently reporting data (2023):

12 schools

### Description of the program in your country and recent activities in 2023:

#### **1. Development of the new modules of GLOBE protocols for junior and senior high school students**

We developed the new online study modules (in Japanese) for introducing GLOBE protocols to teachers and students of junior and senior high schools. The modules consist of introduction, basics, and applications of various protocols. All the teachers and students can download these modules for free via GLOBE Japan website.

#### **2. GLOBE workshop on 22<sup>nd</sup> August and 19<sup>th</sup> November**

GLOBE staff teachers gave lectures on the GLOBE protocols (Atmosphere, Hydrosphere, Pedosphere and Biosphere) to school teachers, university students and local people. 21 participants got GLOBE teacher accounts after the workshops.

#### **3. School Visit**

The staff teachers of GLOBE Japan Center visited the GLOBE school, Tokyo Gakugei University Koganei Secondary School on 19<sup>th</sup> December. We visited the observation sites and gave the GLOBE teachers and students some advices.

#### **4. Introduction of GLOBE activities in Japan through public events and seminars**

GLOBE Japan Center joined the public events (Kodaira Environmental Festival, on 9<sup>th</sup> September), the academic conference (held by the Japanese Society for the Study of Career Education on 2<sup>nd</sup> July) and the online seminar (on the themes of 'phenology and food' on 18<sup>th</sup> November) and introduced the research activities by GLOBE school in Japan.

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