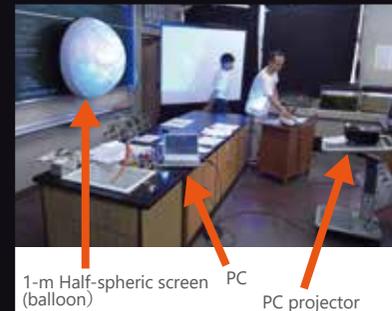




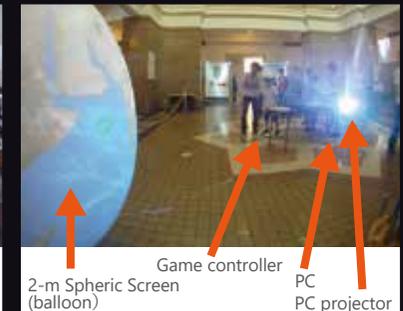
Digital Globe

# Dagik Earth

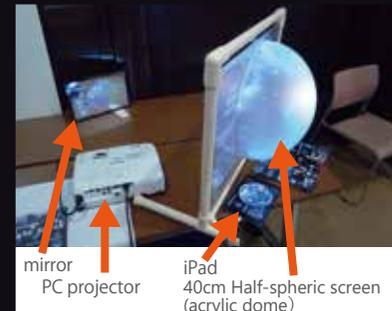
<http://earth.dagik.org/>



1-m Half-spheric screen (balloon) PC PC projector



2-m Spheric Screen (balloon) Game controller PC projector



mirror PC projector iPad 40cm Half-spheric screen (acrylic dome)



**Dagik Earth** is an educational/public-outreach project to enjoy the scientific outputs on the Earth and planets with three-dimensional digital globe in classrooms, science centers, and home. This project is developed by Kyoto university, NICT and collaborators.  
Dagik Earth has the following three type of softwares. You can use them freely for scientific and educational purpose.



**PC version Dagik Earth**  
<http://dagik.org/download/english>

This software runs on Windows and Mac. Download and unpack zip files from the above web page, and double-click to run Dagik\_Earth.exe (Windows) or Dagik\_Earth.app (Mac).



**Web version Dagik Earth**  
<http://dagik.org/menu/index-english.html>



This version is easy to try Dagik Earth with web browser on PC, smartphone and tablet. In this version, realtime cloud image is available.



**iPhone and iPad app of Dagik Earth**



Please scan this QR code or search with "Dagik" on App Store. (This App is only in Japanese language version as of July 2019.)



<http://earth.dagik.org/>  
Comments & Questions: [info@dagik.org](mailto:info@dagik.org)

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## Occurrence of typhoon, hurricane and cyclone with sea surface temperature

● represents the positions where typhoon/hurricane/cyclone was formed from 1990 to 2009. Colors in the ocean area show the sea surface temperature (black: 0°C, red: 30 °C).

A number of typhoon/hurricane/cyclone appears above high temperature ocean because the atmosphere in these areas have much water vapor which is necessary to generate typhoon/hurricane/cyclone. On the equator, typhoon/hurricane/cyclone rarely appear because the effect of the Earth's rotation is little to form the vortex.

- This sheet is made by Dagik Earth team.
- Data of the typhoon/hurricane/cyclone track, IBTrACS, was provided by World Data Center for Meteorology Asheville, NOAA.
- Data of the sea surface temperature, ERSST.v2, was provided by NOAA National Climatic Data.
- Image of the Earth's surface is NASA Blue Marble: Next Generation.



Right sheet is for the "Origami" globe. It is made with standard "Origami balloon" fold.

<http://dagik.org/globe/origami/fusen-english.html>

Note: Some area has large distortion because the Earth, a sphere, is projected on a cube.

Other "hand-made" globe sheets are available at <http://dagik.org/globe/menu/index-english.html>.



<http://earth.dagik.org>

**Step 1:** Fold bottom half backward.

**Step 2:** Fold right half backward.

**Step 3:** Pry top-left corner. Open and squash the top layer into a triangle shape.

**Step 4:** Turn over. Pry, open and squash again to make a triangle. Continue on the other side.

**Step 5:** Fold right side corner forward to the middle along this line.

**Step 6:** Fold left side corner forward to the middle.

**Step 7:** Do Steps 5. and 6. for this side to make a diamond shape.

**Step 8:** Fold both sides in half to meet in the center.

**Step 9:** Fold both tops downward in half.

**Step 10:** Fold and insert them in pockets. Turn over, and do Steps 8, 9 and 10.

**Step 11:** Finish: Blow into the hole on bottom to make a globe.

Occurrence of typhoon, hurricane and cyclone

