Yoshimura Laboratory

[Climate System and Water Cycle]

Institute of Industrial Science
Department of Human and Social Systems / Large-scale experiment and advanced-analysis platform

Y-Lab contributes to the society by understanding of climate and water cycle.

We study the Earth from viewpoints of climate, water, and isotopes to make contributions to understanding of climate system and prevention of water-related disasters.

Where we are

Y-Lab is located in the LEAP of Institute of Industrial Science in Kashiwa campus.

What we do

Climate

Y-Lab is fully equipped with experimental instruments including mass and laser spectrometers.

Water Cycle

Isotope Experiment Room

Real-time numerical flood prediction by “Today’s Earth” system

Estimation of local precipitation based on numerical simulation with Al

Isotope

Academic Conferences

Y-Lab members actively make presentations at academic conferences and share our results.

International Members

Members from various countries have lively discussions on their research topics.

In the past climate (~6,000 years ago)

In Antarctica (2003)

Development of methods for climate reconstruction and improvement of model accuracy with isotope and seeking better understanding of climate system.