

# West Tokyo Joint Center for Sustainability Research and Implementation



## Sustainability Research Open Seminar <2> *Food and Agriculture in the World*

Saturday, 2<sup>nd</sup> December 2023 | 13:00 – 15:30



**Prof. Hiroki ISHIKAWA**

Associate Professor  
Tokyo University of Foreign Studies

What African Food  
Cultural History  
Research Inquires



**Prof. Atsushi CHITOSE**

Professor  
Tokyo University of Agriculture and Technology

Cacao Cultivation in Ghana:  
The Possibility of Introducing  
Successional Agroforestry



**Prof. Akashi SATOH**

Professor  
The University of Electro-Communications

Smart Urban Agriculture  
and Beekeeping Utilizing  
AI • IoT Technologies

**Admission Free    Open to Public**

\* Please kindly register for those who need simultaneous interpretation services.

Registration



<https://peatix.com/event/3754432>

**Venue** Tokyo University of Agriculture and Technology, Koganei Campus  
The 140th Year Commemorative Building (Ellipse)

**Language** Japanese/English ( Simultaneous interpretation is available)

We use Zoom interpretation features. For those who want to use interpretation services, please make sure to have ① a device such as PC or smartphone that can connect to Wi-Fi and ② earphones.

**Contact** West Tokyo Joint Center for Sustainability Research and Implementation

●Email: [department@go.wt-jdpsr.jp](mailto:department@go.wt-jdpsr.jp) ●Website: <https://web.tuat.ac.jp/~jcsri>

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# ～ Food and Agriculture in the World ～

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## PROGRAM

**Prof. Atsushi CHITOSE** Professor, Institute of Agriculture, Graduate School of Agriculture,  
Tokyo University of Agriculture and Technology

### Cacao Cultivation in Ghana: The Possibility of Introducing Successional Agroforestry

Ghana is facing the risk of a drastic reduction in cacao production due to the impact of climate change, and the introduction of agroforestry is expected as a countermeasure. This report examines the possibility of introducing successional agroforestry developed by Japanese immigrants and their descendants in Amazon region, Brazil to Ghana from a sustainability perspective.

**Prof. Hiroki ISHIKAWA** Associate Professor, Research Institute for Languages and Cultures of  
Asia and Africa, Tokyo University of Foreign Studies

### What African Food Cultural History Research Inquires

This report explores the inquiries into modern society raised by research on Africa's food cultural history, using one of the most characteristic Ethiopia's food, Injera, a pancake-like flatbread with a sour taste, as a case study.

**Prof. Akashi SATOH** Professor, Department of Communication Engineering and Informatics,  
Graduate School of Informatics and Engineering,  
The University of Electro-Communications

### Smart Urban Agriculture and Beekeeping Utilizing AI · IoT Technologies

Research is being conducted on smart urban agriculture and beekeeping with remote management using IoT and AI technologies on the rooftops of buildings. Tomatoes, strawberries and other vegetables are cultivated through soilless hydroponics, with bees play a crucial role in their pollination. This report also introduces the largest facility of its kind in the city-state of Singapore.

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