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# SINET Wide Area Data Collection Infrastructure

## Information about Data Processing Environments Provided by Private Sector Cooperating Businesses

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National Institute of Informatics

# SINET's New Infrastructure

## - The Wide Area Data Collection Infrastructure

### ◆ Initiatives to Provide Mobile Features

Supporting rapidly expanding IoT-related research and projects using the radio waves provided by **the three major mobile telecom carriers**

### ◆ Secure network environment

Forming a dedicated SINET virtual network **that is separated from the Internet on the networks of the mobile carriers**

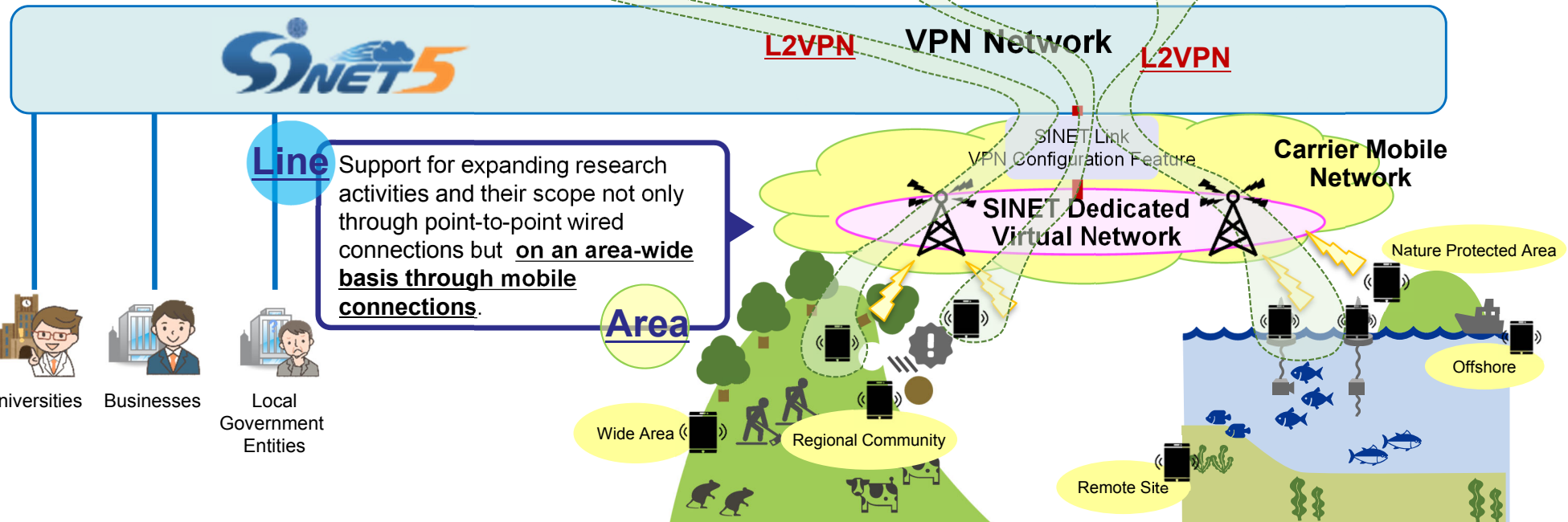
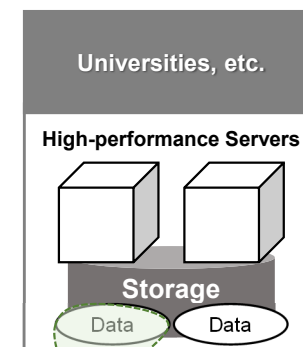
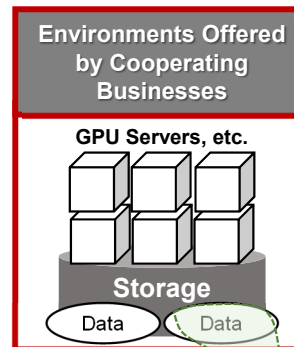
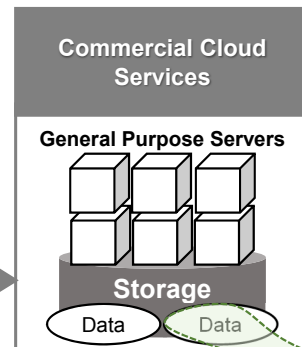
### ◆ Forming a VPN environment for each research project

**Forming a VPN environment for each research project** to connect to various processing environments in a secure and high-performance way

### ◆ Connecting to a wide range of data processing environments

Providing connections to university computing environments, commercial cloud services and **the processing environments offered by each cooperating business**

For data collection and analysis from mobile networks, commercial cloud services, university computing environments, processing environments offered by cooperating businesses and so on can be freely selected, allowing users to flexibly use **any data processing environment.**



# Data Processing Environments to Academic Specifications

- ◆ To coincide with the start of demonstration testing, **data processing environments will also be available to special academic specifications at the courtesy of cooperating businesses.**
- ◆ Utilizing these environments will promote the revitalization of academic research even further.

No.	Company	Data Processing Environment
1	NTT Communications Corporation	- Data processing service through Things Cloud - Collection and use of information utilizing biological data
2	KDDI Corporation	- KDDI Multi-access Edge Computing (MEC) infrastructure for evaluation
3	SoftBank Group Corporation	- SoftBank's cloud-based data processing service
4	Nippon Telegraph and Telephone East Corporation	- Smart Innovation Lab
5	Amazon Web Services, Inc.	- Amazon Web Services (AWS)
6	SAGA IDC Co., Ltd.	- SINET data processing environment demonstration infrastructure service
7	SAKURA Internet Inc.	- Sakura's cloud-based data processing service
8	Microsoft Japan Co., Ltd.	- Microsoft Azure IoT Services