

Japanese satellite data platformApril 5th, 2023

“Create new value through Space × Information Technology”Tellus mission

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2

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Data/API ~~Algorism~~Application

Processing ~~Data/API Networ~~kInterface

Owned media ~~Data competition~~The 6 functions of Tellus

Computing resources 

Integrated

Market 

Tellus Operation

development

Systems

Environment

Learning opportunity 

SORABATAKE Tellus Satellite

BootCamp

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Challenge

3

37,424April 2024Figures at a glance

5,842

February 2019

May 2023

※Please note that this analysis is based upon “Google Analytics”

4

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Data as a Service (DaaS)

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（G-spatial information Center, ~~WAGRI,~~

Tellus Business Model

-Satellite Data Platform

Money FlowData / Service Stream

End Users（Satellite Data/ Apps Users）

Fonctions provided by TellusFee

Fee

Data,Tools

Tools

Apprication Developer, etc.

SaaS

-Analysis Tools, Apps for Satellite data in Tellus

・Satellite Data Analysis Tools・Satellite Date Apps

（Software）

（RESTEC,Ridge-i,ABEJA,JSI,PASCO, etc.）

・Observation Request, etc.

FeeFee Data

Platform

Fee

Fonctions provided by Tellus

Platform

Other Geospatial Data PF,

・Satellite Data Hosting （Storage, Search and Distribution） ・Market Function to Provide and Charge for Satellite Data,

Third Parties’ Web Systems

PaaS

Satellite Data Analysis Tools, and Geospatial Data APIs

（Platform） 

Plateau, etc.） 

Fee

Data,Storage etc.

Functions provided by Tellus ・Satellite data sales 

DaaS

（data） 

・GIS/Satellite data provision （APIs）

Fee

Platform

・APIs for Satellite data

・CPU、GPU（computing recouses）for Development and Analysis Environment ・Strage: Satellite Data Strage Area for Satellite Operator 

IaaS

Data Revenue share

（Infrastracture）

Fee Strage, Analysis Environment

Satellite/Satellite Data Owners （PASCO,JEOSS,JSI,AXELSPACE,Japan space systems,JAXA, etc.）

6

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Platform as a Service (PaaS)

Satellite Data Hosting Service



7

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Platform as a Service (PaaS）

Ministry of the Environment, government of Japan decided to disseminate data of GSSAT series through satellite data hosting service of Tellus.



8

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Software as a Service (SaaS)

identify the potential parking lots 

This is a service that provides a web-based application.

Users need only an internet connection and a device: tablet etc., to use our service immediately.

TelluSAR

Tellus Satellite Data Master ＋

Tellus VPL （Tellus Visualizer for Parking Lot）

QGIS

Tool for analyzing satellite SAR data.

QGIS on Tellus can provide satellite

One of our free official tool that can

data, analysis tool and computing

API and add-in are available.

using satellite data.

resources.

9

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JAXA ALOS2 experiment

inc. Gero City and Tellus(Sakura internet)  

ALOS2

Analysi

s

Tool

• Local government needs to check with the current status of

farmland.

• Once end user can connect internet, they can identify the

farmland where is well-maintain, not maintain and suspicious by

using the ALOS2 data, special tool and QGIS on Tellus

• This experiment has been implemented by JAXA, RESTEC, Sagri

Made by Sakura Internet based upon JAXA’s Presentation

10

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A use case of real estate company

Analysis Result 

Dividing the area where

real estate is located

• Used as a search condition • ~~Use~~d as a recommendation 

using NDVI



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Deep Learning Real estate search

System (Web)

for location criteria

factor for users.

11

Tellus from now on

• To enhance the fundamental function of Tellus • To challenge our business internationally.

• To generate synergy with new technologies such as AI

https://www.meti.go.jp/english/press/2023/0118\_003.html

12

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observation Data receive Data

production Data store Application~~Cloud computing~~Done

Enhancement of the fundamental function of Tellus

NEXT

NEXT Data

Order



Request Satellite

disseminatio

n/API

Service

Enhancement of

Receiving

Network

satellite order

Processing Storage

Improvement

functionality

Station Cloud-based data

interoperability with other platforms

production 

13

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Sharing and Utilization of Satellite Data with Europe

Highlights of the cooperation 

1. Exchange data between the satellite data platform Tellus and

the European Commission-operated Copernicus.

2. Encourage cooperation on data processing for common use

and development of services in fields such as monitoring of

marine and coastal areas, climate, water resource

management, and disaster risk reduction.

https://www.meti.go.jp/english/press/2023/0118\_003.html

14

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Tellus × New TechnologySatellite data, GPU and AI

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https://www.sakura.ad.jp/corporate/information/newsreleases/2023/06/16/1968211860/

15

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https://www.tellusxdp.com/en-us/

16

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