



# Change of soil organic matter in 4 kinds of crop rotations

## 1. IDENTIFICATION INFORMATION

Name	Change of soil organic matter in 4 kinds of crop rotations
Edition	1.0
Metadata Identifier	JP_NIAES_RicePaddy_SoilOrganicMatterThailand20230727091503-en

## 2. CONTACT

### 2.1 CONTACT on DATASET

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## 5. DATE OF THIS DOCUMENT

2023-07-27

## 6. DATE OF DATASET

creation : 2016-03-01

## 7. DATASET OVERVIEW

### 7.1 Abstract

Dataset: Change of soil organic matter in 4 kinds of crop rotations

Temporary coverage: 2009-2015

Variables: Total carbon(T-C, %), total

Nitrogen (T-N, %)

Location: Experimental paddy field,

King Mungkut' s University of Technology Thonburi, Ratchaburi campus in Sub-district Rang Bua, Chombung District, Ratchaburi Province, Thailand

Temporary frequency: once a year

Depth: 0-15cm, 15-30cm

### 7.2 Topic Category(ISO19139)

environment

geoscientificInformation

### 7.3 Temporal Extent

Begin Date	2009-01-01
End Date	2015-12-31
Temporal Characteristics	Annual

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## 7.4 Geographic Bounding Box

North latitude	bound	13.58
West longitude	bound	99.5
Eastbound longitude		99.5
South latitude	bound	13.58

## 7.5 Grid

## 7.6 Geographic Description

## 7.7 Keywords

### 7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Land Surface > Soils > Organic Matter, Land Surface > Soils > Carbon, Land Surface > Soils > Nitrogen, Land Surface > Soils > Soil Fertility	GCMD_science

### 7.7.2 Keywords on Project

## 7.8 Online Resource

File download page in the DIAS : <https://data.diasjp.net/dl/storages/filelist/dataset:246>

## 7.9 Data Environmental Information

## 7.10 Distribution Information

name	version	specification
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# 8. DATA PROCESSING

# 9. DATA REMARKS

# 10. DATA POLICY

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## 10.2 Data Policy by the Project

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# 12. DATA SOURCE ACKNOWLEDGEMENT

## 12.1 Acknowledge the Data Provider

Authors are asked to refer the following reference when publish the results using this datasetWhenever this data set is used for any academic presentations, and any publication of scientific results, the author(s) shall specify the following acknowledgement.

Nittaya Cha-una, Amnat Chidthaisonga, Shigeto Sudo, Sirintornthep Towprayooona, Reducing greenhouse gas emissions and increasing soil carbon sequestration in abandoned rice field rotated with energy crop (in preparation).

## 12.2 Acknowledge the Project

# 13. REFERENCES

Nittaya Cha-una, Amnat Chidthaisonga, Shigeto Sudo, Sirintornthep Towprayooona, Reducing greenhouse gas emissions and increasing soil carbon sequestration in abandoned rice field rotated with energy crop (in preparation).