

JORNADAS TECNICAS INDUSTRIAL TRACK 4.0 2022

EL POTENCIAL PARA LA INDUSTRIA DEL USO DE PORTALES ABIERTOS DE DATOS COMPARTIDOS: MVG GAIA-X

Sara Madariaga, Head of Arsysis Lab, Arsysis Internet

ESPACIO DE DATOS

- Los datos son un activo fundamental para las empresas.
- Muchas organizaciones se muestran recelosas al compartir sus datos, a pesar de ser conscientes de las ventajas:
 - Eficiencia en la cadena de suministro.
 - Enriquecimiento de analíticas internas.
 - Entrenamiento de sistemas de machine learning / IA.
 - Nuevas oportunidades de negocio.
 - Optimización de tiempo y costes.
- PROBLEMA: confianza.

ESPACIO DE DATOS (2)

- Ecosistema donde diversos actores comparten datos de manera voluntaria y segura, con mecanismos comunes de gobernanza, organizativos, normativos y técnicos.
 - Cada participante mantiene control sobre sus datos.
 - Habilita políticas de acceso y uso de la información.
 - Asegura la identidad de los participantes.
 - Permite crear roles: productor / consumidor de datos, proveedor de servicios, desarrollador de componentes, operador de servicios esenciales, ...
 - Puede certificar los componentes software empleados.
 - Estandariza descripciones y taxonomías.

GAIA-X WEB3 ECOSYSTEM

- Portal web de intercambio de datasets y algoritmos
 - Basado en blockchain (Ocean Protocol).
 - Asegura disponibilidad, transparencia, integridad y autenticidad por diseño.
 - Integra el paradigma “compute-to-data”.
 - Integra el Trust Framework definido por Gaia-X.
 - Self-descriptions.
 - Validación.
- Veamos cómo funciona: desafiando el efecto demo ;)

REFERENCIAS

- Este portal está siendo utilizado por varios proyectos del ecosistema de Gaia-X, incluyendo:
 - Minimal Viable Gaia-X demonstrator ([MVG](#)).
 - European Production Giganet ([EuProGigant](#)).
 - [Gaia-X 4 MoveID](#), parte de la familia [Gaia-X 4 Future Mobility](#).
 - [Portal de investigación](#) de la Universitat de Lleida.
- Ha sido desarrollado por la empresa alemana [deltaDAO](#) y liberado como código abierto, disponible en [GitHub](#).

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ACCESO


https://minimal-gaia-x.eu

gaia-x

Catalogue Publish Verify Ecosystem Reconnecting...

Pontus-X

Gaia-X Web3 Ecosystem



0x4c02...8521
0x4c0227d02EDBb0C75F85782D4e8506eD77108521
GAIA-X Testnet

0 Sales

1 Published

Profile data from 3Box Hub

PUBLISHED DOWNLOADS COMPUTE JOBS

DATA SETS ALGORITHMS EDGE DEVICES DOWNLOAD COMPUTE

ENTORC-49


Test_Oct20

Test for demo purposes

GAIA-X Testnet

Setup MetaMask

To interact with the portal, you need to install and create an account with MetaMask



Hola de nuevo

La Web descentralizada espera

Contraseña

Desbloquear

[¿Olvidó su contraseña?](#)

[¿Necesita ayuda? Comuníquese con Soporte de MetaMask](#)

CATÁLOGO

[Catalogue](#)[Publish](#)[Verify](#)[Ecosystem](#) ▼

TEST



0x4c02...8521



395 results

DATA SETS

ALGORITHMS

EDGE DEVICES

DOWNLOAD

COMPUTE

SORT

Relevance ▼

Published



ALGORITHM

CALSHA-66

Count Lines

0x4cF0...2E17

Count the lines of the first input file

1 OCEAN



GAIA-X Testnet



ALGORITHM

DILOTT-28

safeFBDC - Aggregation Algorithm

0x0aec...8cdf

This service can only be consumed by authorized members of safeFBDC. Other processing requests ...

5 OCEAN



GAIA-X Testnet



ALGORITHM

AMUSWO-27

safeFBDC - AML Analysis Algorithm

0x0aec...8cdf

This service can only be consumed by authorized members of safeFBDC. Other processing requests ...

2 OCEAN



GAIA-X Testnet



DATA SET

PARBAR-25

safeFBDC - AML Analysis Dataset

0x0aec...8cdf



DATA SET

TENSASHA-17

Privacy Preserving Business Analysis Dataset

Dataset



DATA SET

DAZPLA-77

Active Cloud Archive - Netorium AG

0x04bB...C6BA

DESCRIPCIÓN DE UN SERVICIO (GAIA-X)

Mobility: Mobile Road Damage Detection EDGE

GAIA-X Testnet

DATA SET Empowered Prawn Token — EMPRA-30

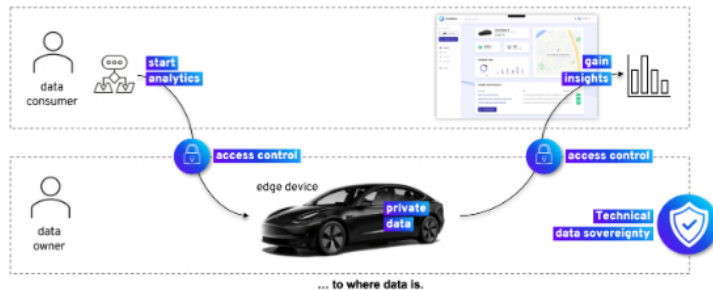
Published By [deltaDAO AG](#)

about 1 month ago — updated 22 days ago

Service Self-Description
version: 22.06
last check: less than a minute ago

About the use case

Bring compute ...



This use case demonstrates how algorithm and data providers can train and monetize their machine learning scripts by making them available in Gaia-X. At the same time consumers in Gaia-X can use existing and well-trained models for classification, analysis and forecasting without the need to share their data and/or acquire personnel or expensive services. The product can be used directly from the Gaia-X market.

Object detection is considered to be one of the most challenging tasks in the computer vision field. The algorithm YOLOv5 is a Convolutional Neural Network (CNN) for performing object detection in real-time. CNNs are classifier-based systems that can process input images as structured arrays of data and identify patterns between them (view image below). YOLO has the advantage of being much faster than other networks and still maintains accuracy.

Data providers approve AI algorithms to run on their data and then Compute-to-Data orchestrates remote computation and execution on data to train AI models while preserving the privacy of the data. Compute-to-Data (CtD) allows for privacy-preserving data-sharing, remote computation and data monetization and is a core feature and strong advantage of Ocean Protocol. CtD keeps the data on-premises and allows data consumers to run remote compute jobs on the data. Data owners keep full control as the data never leaves their premises and is only ever accessed by algorithms. CtD resolves the tradeoff between using private data and the risks of exposing it. Newly monetized data creates new revenue streams for data publishers. CtD is directly integrated into the Minimal Viable Gaia-X and third-

USE

plain
95.55 KB
1 OCEAN
≈ 0,17 €

Select an algorithm to start a compute job

Search by title, datatoken, or DID...

Mobility: Mobile Road Damage Detection Algorithm
INVSHA-19 | did:op:4b42dfc40Ae8299680e8142eb35f38a8b046D5FA

You will pay 2 OCEAN

BUY COMPUTE JOB

For using this dataset, you will buy 1 EMPRA-30 and immediately spend it back to the publisher and pool. Additionally, you will buy 1 INVSHA-19 for the algorithm and spend it back to its publisher and pool.

Compute to data is not available because the edge device is not online.

Your Compute Jobs

No results found

Service Self-Description

```
{
  "selfDescriptionCredential": {
    "@context": [
      "https://www.w3.org/2018/credentials/v1",
      "https://registry.lab.gaia-x.eu/v2206/api/shape"
    ],
    "type": [
      "VerifiableCredential",
      "ServiceOfferingExperimental"
    ],
    "id": "https://delta-dao.com/.well-known/serviceRoadData.json",
    "credentialSubject": {
      "id": "did:op:00dd3550532A6dA0d0427E8ECbE4f40F315C1F38",
      "gx-service-offering:providedBy": "https://delta-dao.com/.well-known/participantDeltaDAO.json",
      "gx-service-offering:name": "EMPRA-30 Data for Road Damage Detection",
      "gx-service-offering:description": "This data service offering consists of image data for object detection and annotation.",
      "gx-service-offering:serviceModel": "subscription",
      "gx-service-offering:servicePrice": [
        {
          "gx-service-offering:servicePriceCurrency": "Ocean",
          "gx-service-offering:servicePriceValue": "1"
        }
      ],
      "gx-service-offering:subscriptionDuration": "86400",
      "gx-service-offering:Policies": "computeToDataOnly",
      "gx-service-offering:whitelistedUsage": [
        {
          "gx-service-offering:whitelistedUsageAlgorithm": "did:op:4b42dfc40Ae8299680e8142eb35f38a8b046D5FA"
        }
      ],
      "gx-service-offering:webAddress": "https://portal.moveid.eu/asset/did:op:00dd3550532A6dA0d0427E8ECbE4f40F315C1F38",
      "gx-service-offering:termsAndConditions": [

```

delta-dao | tesla-model-3

OWNER

0x68C2...246B

DID

did:op:00dd3550532A6dA0d0427E8ECbE4f40F315C1F38

METADATA HISTORY


edited 22 days ago

DESCRIPCIÓN DE UN PARTICIPANTE (GAIA-X)

```
{
  "selfDescriptionCredential": {
    "@context": [
      "https://www.w3.org/2018/credentials/v1",
      "https://registry.gaia-x.eu/v2206/api/shape"
    ],
    "type": [
      "VerifiableCredential",
      "LegalPerson"
    ],
    "id": "https://delta-dao.com/.well-known/participantDeltaDAO.json",
    "issuer": "did:web:delta-dao.com",
    "issuanceDate": "2022-09-23T23:23:23.235Z",
    "credentialSubject": {
      "id": "did:web:delta-dao.com",
      "gx-participant:legalName": "deltaDAO AG",
      "gx-participant:website": "https://delta-dao.com",
      "gx-participant:registrationNumber": [
        {
          "gx-participant:registrationNumberType": "leiCode",
          "gx-participant:registrationNumberNumber": "391200FJBNU0Y987L26"
        },
        {
          "gx-participant:registrationNumberType": "EUID",
          "gx-participant:registrationNumberNumber": "DEK1101R.HRB170364"
        }
      ],
      "gx-participant:blockchainAccountId": [
        {
          "gx-participant:blockchainAccountId": "0x4C84a36fCDB7Bc750294A7f3B5ad5CA8F74C4A52"
        },
        {
          "gx-participant:blockchainAccountId": "0x2859d961a6d8a6e7d30b2d383Af468edb4E7F4f6"
        },
        {
          "gx-participant:blockchainAccountId": "0xaBaf56FC1b86b4FF9fA4378C3C8723d2B2444324"
        },
        {
          "gx-participant:blockchainAccountId": "0x68C24FA5b2319C81b34f248d1f928601D2E52468"
        },
        {
          "gx-participant:blockchainAccountId": "0xa76Fa6837A6ffC9F123F2193717A5965c68B0cba"
        }
      ],
      "gx-participant:headquarterAddress": {
        "gx-participant:addressCountryCode": "DE",
        "gx-participant:addressCode": "DE-HH",
        "gx-participant:streetAddress": "Geibelstraße 46b",
        "gx-participant:postalCode": "22303",
        "gx-participant:locality": "Hamburg"
      },
      "gx-participant:legalAddress": {
        "gx-participant:addressCountryCode": "DE",
        "gx-participant:addressCode": "DE-HH",
        "gx-participant:streetAddress": "Geibelstraße 46b",
        "gx-participant:postalCode": "22303",
        "gx-participant:locality": "Hamburg"
      },
      "gx-participant:termsAndConditions": "70c1d713215f95191a11d38fe2341faed27d19e083917bc8732ca4fea4976700"
    }
  },
  "proof": {
    "type": "JsonWebSignature2020",
    "created": "2022-09-30T07:50:34.636Z",
    "proofPurpose": "assertionMethod",
    "verificationMethod": "did:web:delta-dao.com",
    "jws": "eyJhbGciOiJSUzI1NiIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0I119..ahaxRhIT280-1n4v5qnQdrSwwFvU94Mxw941UDetSoEv_vFVdZiN1mJwr1iH91Tn8Ng_oG2r0SD0mrs-B6EzXS8J3MsT9oMUBH5mT-G_a77_48xde3CtsQ"
  },
  "complianceCredential": {
    "@context": [
      "https://www.w3.org/2018/credentials/v1"
    ],
    "type": [
      "VerifiableCredential",
      "ParticipantCredential"
    ],
    "id": "https://catalogue.gaia-x.eu/credentials/ParticipantCredential/1664524239500",
    "issuer": "did:web:compliance.gaia-x.eu",
    "issuanceDate": "2022-09-30T07:50:39.500Z",
    "credentialSubject": {
      "id": "did:web:delta-dao.com",
      "hash": "8137ae4abc9b860813aae14330e3ba5b8231de330ae4c3b196b8b786a6c18f38"
    },
    "proof": {
      "type": "JsonWebSignature2020",
      "created": "2022-09-30T07:50:39.500Z",
      "proofPurpose": "assertionMethod",
      "jws": "eyJhbGciOiJSUzI1NiIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0I119..ccEnrtSFolCDEKT408inCnZV1CNH902eJBSShEhT7yoVl6VPPvJCUaSuIjGHU4hZjGmvBVR-LdWoDduQnsdsIHC7uLXC3wOSqgVX6RuUofngydYODNQe4_9m80rp_GTloTRQWQyP8j5TovvixiRFvqDR5BBhPZzopD3nJj7YfvLgfbv2MfCFKQ",
      "verificationMethod": "did:web:compliance.gaia-x.eu"
    }
  }
}
```

```
    "proof": {
      "type": "JsonWebSignature2020",
      "created": "2022-09-30T07:50:34.636Z",
      "proofPurpose": "assertionMethod",
      "verificationMethod": "did:web:delta-dao.com",
      "jws": "eyJhbGciOiJSUzI1NiIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0I119..ahaxRhIT280-1n4v5qnQdrSwwFvU94Mxw941UDetSoEv_vFVdZiN1mJwr1iH91Tn8Ng_oG2r0SD0mrs-B6EzXS8J3MsT9oMUBH5mT-G_a77_48xde3CtsQ"
    },
    "complianceCredential": {
      "@context": [
        "https://www.w3.org/2018/credentials/v1"
      ],
      "type": [
        "VerifiableCredential",
        "ParticipantCredential"
      ],
      "id": "https://catalogue.gaia-x.eu/credentials/ParticipantCredential/1664524239500",
      "issuer": "did:web:compliance.gaia-x.eu",
      "issuanceDate": "2022-09-30T07:50:39.500Z",
      "credentialSubject": {
        "id": "did:web:delta-dao.com",
        "hash": "8137ae4abc9b860813aae14330e3ba5b8231de330ae4c3b196b8b786a6c18f38"
      },
      "proof": {
        "type": "JsonWebSignature2020",
        "created": "2022-09-30T07:50:39.500Z",
        "proofPurpose": "assertionMethod",
        "jws": "eyJhbGciOiJSUzI1NiIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0I119..ccEnrtSFolCDEKT408inCnZV1CNH902eJBSShEhT7yoVl6VPPvJCUaSuIjGHU4hZjGmvBVR-LdWoDduQnsdsIHC7uLXC3wOSqgVX6RuUofngydYODNQe4_9m80rp_GTloTRQWQyP8j5TovvixiRFvqDR5BBhPZzopD3nJj7YfvLgfbv2MfCFKQ",
        "verificationMethod": "did:web:compliance.gaia-x.eu"
      }
    }
  }
}
```

ACTIVIDAD DE UNA WALLET



0x4C84...4A52
0x4C84a36fCDb7Bc750294A7f3B5ad5CA8F74C4A52
GAIA-X Testnet

355
Sales

5
Published

PUBLISHED

DATA SETS

ALGORITHMS

EDGE DEVICES

MANPUF-56

Object Detection for the Future Mobility Marketplace

This data service offering consists of an object detection and annotation algorithm to identify ...

10 OCEAN

GAIA-X Testnet

CERFIS-7

Demonstrator Algorithm Sensor Data

Algorithm is written in javascript. The algorithm will calculate averages, minimum and maximu...

1 OCEAN

GAIA-X Testnet

BREOYS-75

Demonstrator Weather Sensor Data

This is a simple Sensor Weather Data Example in JSON format. The data is randomly generated "...

1 OCEAN

GAIA-X Testnet

Build-1

Smart Home Se

This service contains i
domized sensor data for the demonstration of ...

Free

GAIA-X Testnet

Maximum speeds. The start of the "maximum speed" is indicated by RVV sign A1. The end wi...

Free

GAIA-X Testnet

PUBLISHED

DOWNLOADS

DATA SET	NETWORK	DATATOKEN	TIME
Demonstrator Algorithm Sensor ...	GAIA-X Testnet	CERFIS-7	about 1 month ago
Data Part No. 399 2022-08-30T1...	GAIA-X Testnet	EuProGigant-399	about 2 months ago
Data Part No. 400 2022-08-30T1...	GAIA-X Testnet	EuProGigant-400	about 2 months ago
Data Part No. 358 2022-08-23T0...	GAIA-X Testnet	EuProGigant-358	about 2 months ago
Example Highway Camera Data	GAIA-X Testnet	Move-1	2 months ago
Data Part No. 353 2022-08-05T1...	GAIA-X Testnet	EuProGigant-353	2 months ago
Data Part No. 319 2022-05-30T0...	GAIA-X Testnet	EuProGigant-319	3 months ago

DESCARGAR UN CONJUNTO DE DATOS (1)

Test a download

GAIA-X Testnet

↓ DATA SET Stunning Anemone Token — STUANE-6 ↗

USE

Published By [0x68C2...246B](#)

2 months ago

Test a download

SAMPLE DATA

[DOWNLOAD SAMPLE](#)

test

OWNER

[0x68C2...246B](#)

METADATA HISTORY

- published 2 months ago ↗

USE

Binary

Free

DOWNLOAD

You bought this dataset already allowing you to use it without paying again.

If you consume a service offering, your wallet address and public key will be stored permanently on-chain on the Gaia-X testnet. For more information, please refer to our [privacy policy](#).

Binary

Free

GET

By getting this dataset, you will buy 1 STUANE-6 and immediately spend it back to the publisher and pool.

If you consume a service offering, your wallet address and public key will be stored permanently on-chain on the Gaia-X testnet. For more information, please refer to our [privacy policy](#).

DESCARGAR UN CONJUNTO DE DATOS (2)

Synthetic Weather Data in JSON format

GAIA-X Testnet

↓ DATA SET | deltaDAO Datatoken 001 — DDDT-001 ↗

Published By [0x9c26...9580](#)

about 2 months ago — updated about 1 month ago

Service Description

Sample service description

OWNER

[0x9c26...9580](#)

DID

did:op:236816a8997DC39598857590970c8Cf15
b8da047

METADATA HISTORY

- edited about 1 month ago ↗
- published about 2 months ago ↗

USE

plain

No price set ⓘ

Access denied, your wallet address is not found on
the asset allow list.

BUY FOR 1 DAY

There are not enough DDDT-001 available in the pool for the transaction to take place

CONSUMIR UN CONJUNTO DE DATOS (CtD) (1)

Demonstrator Weather Sensor Data

GAIA-X Testnet

DATA SET | Breathtaking Oyster Token — BREOYS-75

Published By [0x4C84...4A52](#)

about 1 year ago — updated 3 months ago

This is a simple Sensor Weather Data Example in JSON format. The data is randomly generated "weather" data in the following format:

```
{
  "date": [...],
  "temperature": [...],
  "humidity": [...],
  "rain": [...],
  "windSpeed": [...],
  "windDir": [...],
  "invalidTest": ""
}
```

Each key is assigned to an array of values, except the `invalidTest` key, which demonstrates an invalid value for testing purposes with our algorithm: [Demonstrator Algorithm](#) Weather Data / Sensor Data
The data is generated using the following configuration:

```
{
  temperature: {
    min: -10,
    max: 35
  },
  humidity: {
    min: 40,
    max: 100
  },
  rain: {
    min: 0,
    max: 20
  },
  windSpeed: {
    min: 0,
    max: 12
  },
  windDir: ["N", "NE", "E", "SE", "S", "SW", "W", "NW"]
}
```

Additional Samples

[Download Sample Data](#)

USE

plain
122 KB
1 OCEAN
≈ 0,17 €

Select an algorithm to start a compute job

Search by title, datatoken, or DID...

☐ Demonstrator Algorithm Sensor Data [↗](#)
CERF15-7 | did:op:b3f2d84acEfb6a84c858cb66dA2D9088E3F1A643 1

You will pay - OCEAN

BUY COMPUTE JOB

You do not have enough OCEAN in your wallet to purchase this asset.

If you consume a service offering, your wallet address and public key will be stored permanently on-chain on the Gaia-X testnet. For more information, please refer to our [privacy policy](#).

Your Compute Jobs

SHOW

```
{
  "date": [
    "1/1/2010",
    "1/2/2010",
    "1/3/2010",
    "1/4/2010",
    "1/5/2010"
  ],
  "temperature": [
    33.38,
    -6.5,
    22.4,
    29.29,
    -0.97
  ],
  "humidity": [
    59.45,
    48.41,
    78.84,
    45,
    89.82
  ],
  "rain": [
    4.15,
    1.07,
    0.98,
    5.46,
    19.35
  ],
  "windSpeed": [
    6.54,
    1.09,
    8.39,
    11.48,
    6.51
  ],
  "windDir": [
    "W",
    "S",
    "SW",
    "N",
    "E"
  ],
  "invalidTest": ""
}
```

CONSUMIR UN CONJUNTO DE DATOS (CtD) (2)

Demonstrator Algorithm Sensor Data

GAIA-X Testnet

↓ | ALGORITHM | Cerulean Fish Token — CERFIS-7 

Published By [0x4CB4...4A52](#)

about 1 year ago — updated about 2 months ago

Algorithm is written in javascript. The algorithm will calculate averages, minimum and maximum for each array. If a date-field is given it will also link min and max values to their corresponding dates. Dates are expected to have one of the following keys:

```
["date", "datetime", "day"]
```

The algorithm expects JSON input following the structure of our sample data set ([Demonstrator Data](#)  [Weather Data / Sensor Data](#)):

```
{
  "date": [...],
  "temperature": [...],
  "humidity": [...],
  "rain": [...],
  "windSpeed": [...],
  "windDir": [...],
  "invalidTest": ""
}
```

Any keys are processed, as long as the assigned value is an array of values. Non array values are not considered for calculations.

Sample Output

The algorithm will log some system information about the wrapping container as well as progress on calculation. The result is a JSON file containing the calculated results:

```
{
  "fileCount": 1,
  "files": {
    "/data/inputs/c9188Ee840fb70282C5B38a7d1654f9558D3822a/0": {
      "numLines": 123,
      "avg": {...},
      "min": {...},
      "max": {...}
    }
  }
}
```

Additional Samples

• [Download Sample Data](#)

[Download Sample Algorithm](#)

USE



1 OCEAN
≈ 0,17 €

BUY FOR 1 DAY

For using this algorithm, you will buy 1 CERFIS-7 and immediately spend it back to the publisher and pool.

If you consume a service offering, your wallet address and public key will be stored permanently on-chain on the Gaia-X testnet. For more information, please refer to our [privacy policy](#).

Datasets algorithm is allowed to run on

Smart Home Sensor Data for BIM		
Build-1	did:op:4f4406E43416106360cd403892985a8067b4AA4	0
Demonstrator Weather Sensor Data		
BREOYS-75	did:op:87152E582e3805Cc6940E9763b90c22eA812448	1

```
try {
  result.files[filepath].length[key] = array.length
  result.files[filepath].sum[key] = 0
  result.files[filepath].avg[key] = 0
  result.files[filepath].min[key] = { ...ranges }
  result.files[filepath].max[key] = { ...ranges }

  array.forEach((value, i) => {
    //Calculate sums
    result.files[filepath].sum[key] += parseFloat(value)
    //Calc min
    const min = result.files[filepath].min[key].value
    if(value < min || min === null) {
      result.files[filepath].min[key].value = value
      if(dateField !== null)
        result.files[filepath].min[key].date = data[dateField][i] || 'N/A'
    }
    //Calc max
    const max = result.files[filepath].max[key].value
    if(value > max || max === null) {
      result.files[filepath].max[key].value = value
      if(dateField !== null)
        result.files[filepath].max[key].date = data[dateField][i] || 'N/A'
    }
  })

  //Calculate avgs
  for (const [key, sum] of Object.entries(result.files[filepath].sum)) {
    result.files[filepath].avg[key] = sum / result.files[filepath].length[key]
  }
} catch (err) {
  console.error(err)
}

delete result.files[filepath].sum
delete result.files[filepath].length

console.log(`Results calculated.`)
}
```

CONSUMIR UN CONJUNTO DE DATOS (CtD) (3)

PUBLISHED

DOWNLOADS

COMPUTE JOBS

REFRESH

DATA SET	NETWORK	CREATED	FINISHED	STATUS	ACTIONS
Demonstrator Weather ...	GAIA-X Testnet	5 minutes ago	4 minutes ago	JOB FINISHED	SHOW DETAILS
4-apples_GT_diameter...	GAIA-X Testnet	about 1 month ago	about 1 month ago	JOB FINISHED	SHOW DETAILS
some strings	GAIA-X Testnet	about 2 months ago	about 2 months ago	JOB FINISHED	SHOW DETAILS

Running algorithm

Demonstrator Weather Sensor Data ↗
BREOYS-75 | did:op:87152E582e3B05Cc6940E9763b9e0c22eA812448

Demonstrator Algorithm Sensor Data ↗
CERFIS-7 | did:op:b3F2d84acEfb6aB4e850cb66dA2D9008E3f1A643

results.json

algorithm.log

Results are stored for 30 days.

CREATED
2 minutes ago

JOB ID
6542f960e01044f1a10047320a32e815

```
"numLines": 10970,
"avg": {
  "temperature": 13.029282584885,
  "humidity": 69.88985213581596,
  "rain": 10.116653888280377,
  "windspeed": 5.93285323110624,
  "winddir": null
},
"min": {
  "temperature": {
    "value": -9.91,
    "date": "5/13/2014"
  },
  "humidity": {
    "value": 40.03,
    "date": "5/30/2011"
  },
  "rain": {
    "value": 0,
    "date": "11/13/2012"
  },
  "windspeed": {
    "value": 0.01,
    "date": "7/24/2010"
  },
  "winddir": {
    "value": "E",
    "date": "1/3/2010"
  }
},
"max": {
  "temperature": {
    "value": 34.99,
    "date": "3/22/2011"
  },
  "humidity": {
    "value": 99.99,
    "date": "2/24/2013"
  },
  "rain": {
    "value": 19.97,
    "date": "3/30/2013"
  },
  "windspeed": {
    "value": 12,
    "date": "9/12/2012"
  },
  "winddir": {
    "value": "W",
    "date": "1/20/2010"
  }
}
```


PUBLICAR UN CONJUNTO DE DATOS (1)

Publish

Highlight the important features of your data set or algorithm to make it more discoverable and catch the interest of data consumers.

DATA SET

ALGORITHM

Publish a Data Set into GAIA-X Testnet

Title*

Enter a concise title.

Description*

Add a thorough description with as much detail as possible. You can use [Markdown](#). You can change the description at any time. Please do not provide personal data in the description. Your description will remain permanently on-chain on the Gaia-X testnet. For more information, please refer to our [privacy policy](#).

File*

ADD FILE

Please enter the URL to your data set file and click "ADD FILE" to validate the data. This URL will be stored permanently encrypted on-chain on the Gaia-X testnet after publishing. For a compute data set, your file should match the file type required by the algorithm.

Sample file

ADD FILE

Please enter the URL to a sample of your data set file and click "ADD FILE" to validate the data. This file should reveal the data structure of your data set, e.g. by including the header and one line of a CSV file. This file URL will be publicly available after publishing.

Service Self-Description

Url

Raw

Please enter the URL to a valid service self-description and click "ADD FILE" to validate the data. This file URL and its content will be publicly available after publishing.

Access Type*



Download



Compute

Choose how you want your files to be accessible for the specified price.

Timeout*

Forever



Define how long buyers should be able to download the data set again after the initial purchase.

Datatoken Name & Symbol*

The datatoken for this data set will be created with this name & symbol.

Tags

Separate tags with comma.

Metadata confirmation*



I confirm that I did not provide personal data in the metadata, which will be stored permanently on-chain on the Gaia-X testnet.

SUBMIT[RESET FORM](#)

When you click submit, your wallet address and public key will be transmitted to a smart contract stored permanently on-chain on the Gaia-X testnet.

PUBLICAR UN CONJUNTO DE DATOS (2)

Test_Oct20

GAIA-X Testnet

No Price Created
This data set has no price yet. As the publisher you can create a fixed price, or a dynamic price for it. Onwards!

CREATE PRICING

DATA SET | Enthusiastic Orca Token — ENTORC-49

Published By [0x4c02...8521Add profile on 3Box](#)
3 minutes ago

Test for demo purposes

SAMPLE DATA
[DOWNLOAD SAMPLE](#)

[EDIT METADATA](#) | [EDIT ADVANCED SETTINGS](#) | [EDIT COMPUTE SETTINGS](#)

OWNER

[0x4c02...8521Add profile on 3Box](#)

METADATA HISTORY

- published 3 minutes ago

DID

did:op:940a8e5d53Aca9Ba9eD0903215866F73757F9e9b

USE

html

No price set

Select an algorithm to start a compute job

Search by title, datatoken, or DID...

No assets found.

You will pay -

BUY COMPUTE JOB

There are not enough ENTORC-49 available in the pool for the transaction to take place

If you consume a service offering, your wallet address and public key will be stored permanently on-chain on the Gaia-X testnet. For more information, please refer to our [privacy policy](#).

Your Compute Jobs **SHOW**

PUBLICAR UN CONJUNTO DE DATOS (3)

Test_Oct20

Update advanced settings of this data set. Updating these settings will create an on-chain transaction you have to approve in your wallet.

Allow ETH Address

e.g. 0x12345678901234567890abcd

ADD

Enter ETH address and click ADD button to append the list. Only ETH address in allow list can consume this asset. If the list is empty means anyone can download or compute this asset

Deny ETH Address

e.g. 0x12345678901234567890abcd

ADD

Enter ETH address and click ADD button to append the list. If ETH address is fall under deny list, download or compute of this asset is denied

Disable Consumption

☐ Disable

Disable dataset being download or compute when dataset undergoing maintenance.

SUBMIT

CANCEL

Set allowed algorithms

Selected Algorithms

Search by title, datatoken, or DID...

<input type="checkbox"/>	Encryption PKI service ↗ SPAPRA-31 did:op:008A1e18d69bF8647fa1C52533878cba70839d83	Free
<input type="checkbox"/>	Encryption service ↗ DEDNAR-7 did:op:7CE9902dF69f5F31f441568Ae848aFd8301079A7	Free
<input type="checkbox"/>	Extract text from Images with optical character recognition (OCR) Algorithm. ↗ WONCLA-42 did:op:95dA1E2272ACE4d3eE844420E4C51Abf5aAd9963	1
<input type="checkbox"/>	BIMKIT Text localization in architectural floor plans algorithm ↗ STUTUN-17 did:op:54699ab2D095aF7CEAdDc13B27e97542CDaa0090	1
<input type="checkbox"/>	Compression service ↗ CLEKRI-33 did:op:22a31f59c8C8a08368D31e67DF74649593b3AB44	Free
<input type="checkbox"/>	Mobility: Behavior Based Risk Scoring Algorithm ↗ ENDSEA-35 did:op:B455d8f250245A5c8bf449131eca7d1545C833A9	1
<input type="checkbox"/>	Replace 'a' with 'b' as Compute2Data containerized5 ↗ SERDOL-61 did:op:66dF241a79806edF8778426621cFB8c5D1Dcd332	Free
<input type="checkbox"/>	Industry 4.0 production - Ceto-002 Edge Algorithm ↗ JOCHER-62 did:op:4242a2ae946dB273A0CCDE5F9127c24904DC1BA1	1
<input type="checkbox"/>	Industry 4.0 production - Ceto-001 Edge Algorithm ↗ ASTANC-11 did:op:690563A3f704aE35d32764034334e98264A7a06A	1
<input type="checkbox"/>	Object Detection for the Future Mobility Marketplace ↗ MANPUF-56 did:op:985d3E0134bCE4d82b90d639d5d83627DE687870	10

Choose one or multiple algorithms you trust to allow them to run on this data set.

All Algorithms

☐ Allow any published algorithm

Allow any published algorithm to run on this data set.