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The value of standardizing procurement data: Introduction to OCDS

OPEN CONTRACTING PARTNERSHIP

Agenda

1. What is Open Contracting Partnership?
2. What is Open Contracting Data Standard?
3. How and why to implement OCDS?

1

What is Open Contracting Partnership?

What do we do?
How can we help you?

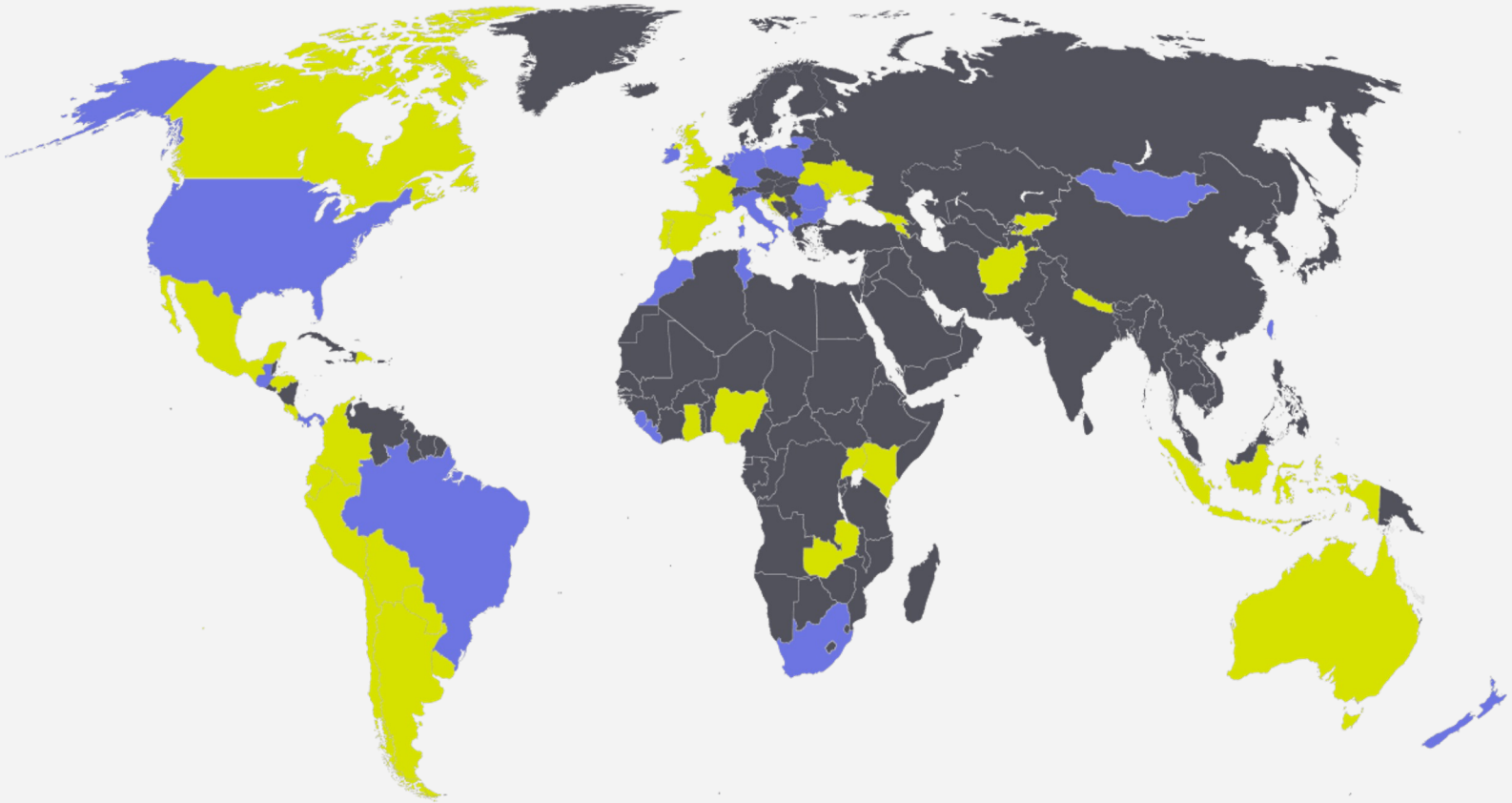
OPEN CONTRACTING PARTNERSHIP

Our mission

Transforming public contracting, so it is open-by-design, fair and efficient

We build a global community for change and support powerful examples of what is possible when governments, businesses and citizens work together. We measure and share results from open contracting, including increased competition, better value for money, and improved efficiency, integrity and trust in public markets.

OCP works in **50+ countries and cities** on open data & open government to transform public contracting



We develop and maintain two open data standards. We help governments and municipalities across the world to implement these standards

OCDS

The Open Contracting Data Standard is meant for publication of data related to the planning, procurement, and implementation of public contracts

OC4IDS

The Open Contracting for Infrastructure Data Standard is meant for data disclosure about infrastructure projects

Better access to affordable medicines, healthier school lunches, and improving competition are just some of the results we are seeing

Highlighted impact

Read all stories

Partners in crime prevention

Patients, experts, and openness

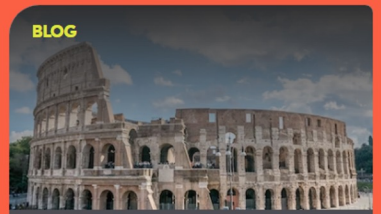
Open contracting impact around the world

BLOG

Going 100% green in Lithuania

17 OCT 2022
KAROLIS GRANICKAS

Read

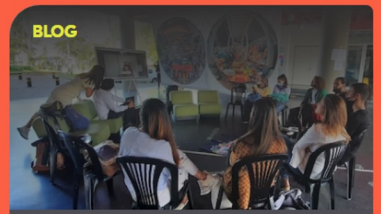


BLOG

Behind Italy's 'small revolution' in the fight for corruption-free contracts

21 SEP 2022
SOPHIE BROWN

Read



BLOG

Co-creation of the city: Manizales puts innovation and data at the heart of its strategy

25 AUG 2022
SOFÍA GARZÓN

Read

COLOMBIA

Improving competition through open contracting

Open Contracting in Colombia

CHANGE IN COMPETITION 2018-2019

More bidders

3.6 average bidders per tender, up from 3.2

More tenderers

7443 unique tenderers, up from 6571

Fewer 1-bid tenders

33.3% single-bid tenders, down from 36.8%

COLOMBIA: IMPROVING COMPETITION AND EFFICIENCY THROUGH OPEN CONTRACTING

6% decrease in direct contracts in favor of competitive awards

17% increase (3.6 from 3.2 before) in the average number of bidders among national agencies

Increased supplier diversity with 55 suppliers, specialized companies & providers from 14 before

UKRAINE PROZORRO.SALE

Government's first online store driven by open data.

THREE YEARS OF PROZORRO.SALE

More revenue

870 million USD

More volume

20,370 auctions per quarter

More bidders

15,740 participants

Data:
2017 Q1-2019 Q3

Nuevo Leon
More transparency
& competition

Nuevo León, Mexico

How a multistakeholder coalition made Nuevo León's infrastructure projects more transparent & competitive

+25%

The average number of bidders per tender increased by 25%, from 6.5 in 2017 to 8.1 in 2020.

Using the Open Contracting for Infrastructure Data Standard (OC4IDS) has increased oversight of project performance, competition, and cost savings.

93%

93% out of a total of 230 tenders had multiple bidders.

A multistakeholder committee united all actors to achieve the reform goals.

2

What is Open Contracting Data Standard?

And why do you need it?

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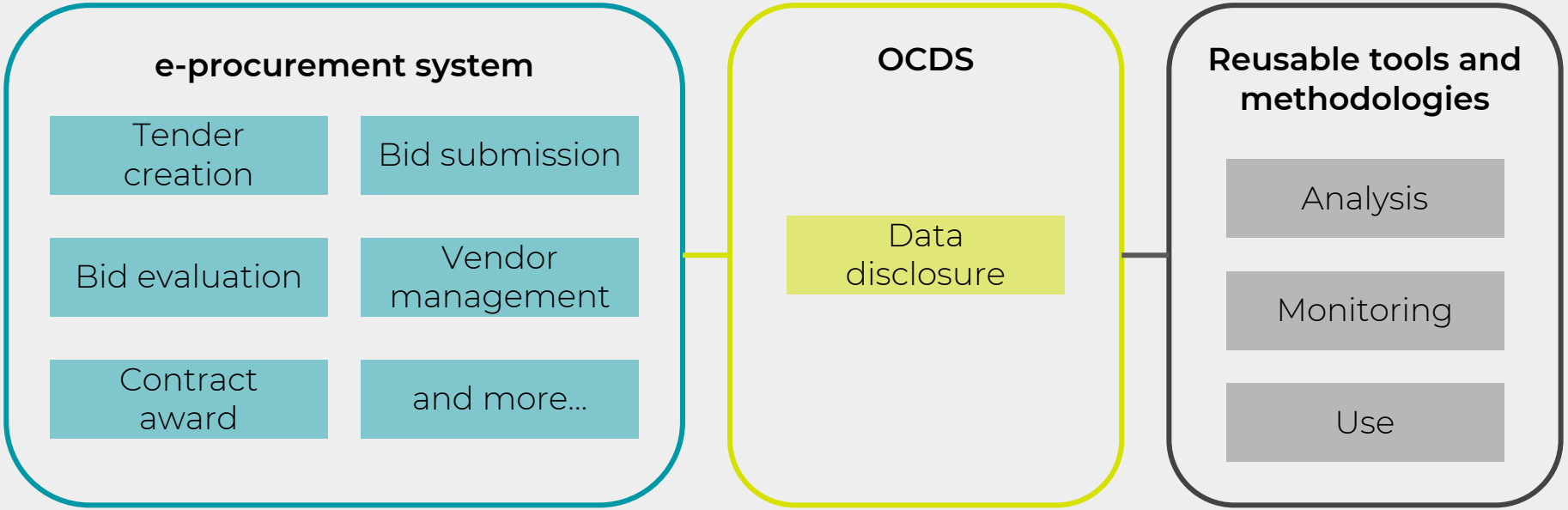
OCDS is **not an e-procurement system**, it's a standard for the disclosure of data



OPEN CONTRACTING DATA STANDARD

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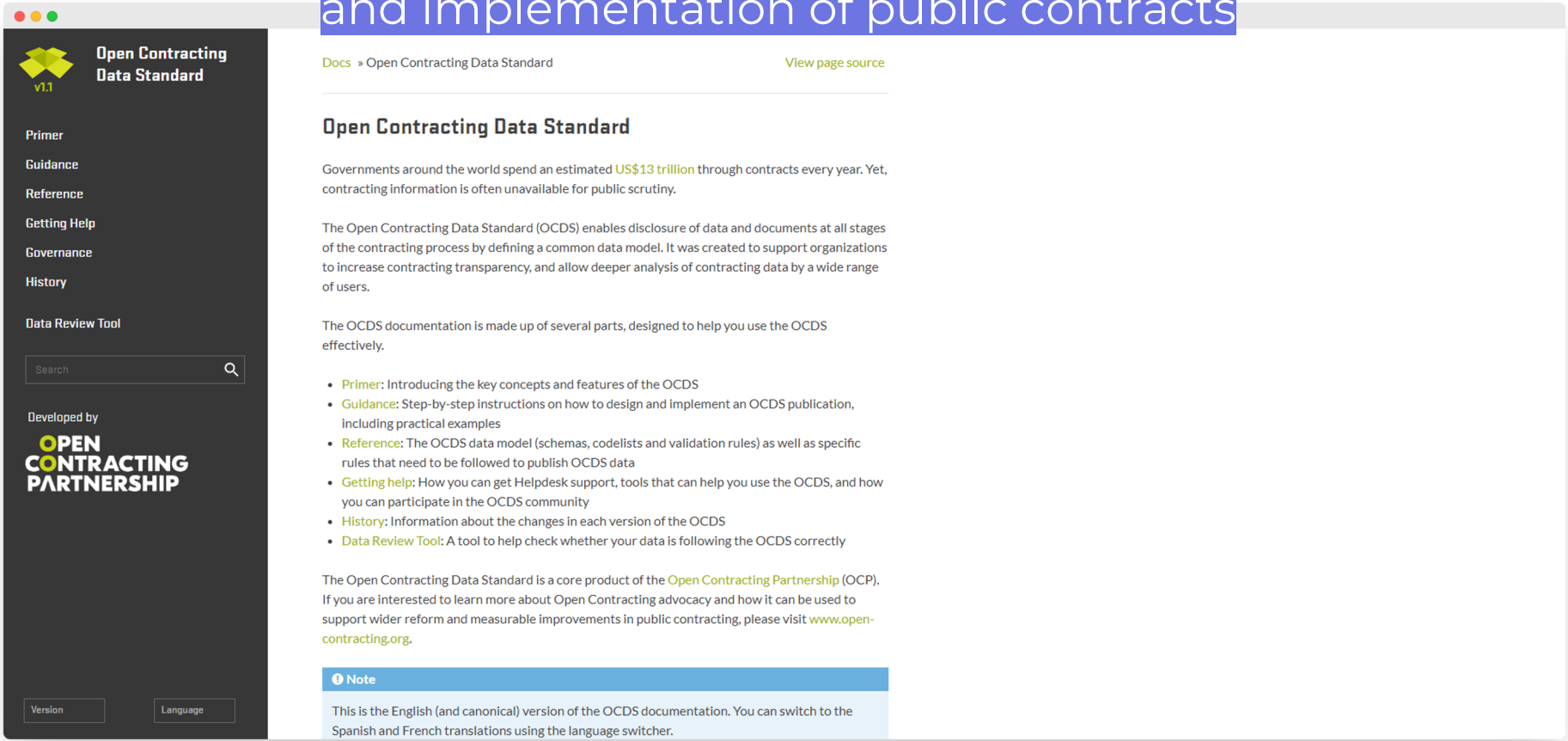
OPEN CONTRACTING DATA STANDARD

OCDS is the **only international open standard** for the publication of information related to the planning, procurement, and implementation of public contracts



There are many **reasons** for introducing data standard

Often very limited published data on contracting

Publication often covers only one stage of the contracting process

It is difficult to join up data from different stages of the contracting process

There is a mismatch between the data governments publish and the data users need

Published data is hard to interpret

How would an analyst or computer program work with **dates in different formats**?

03/07/2020

07/03/2020

03/07/20

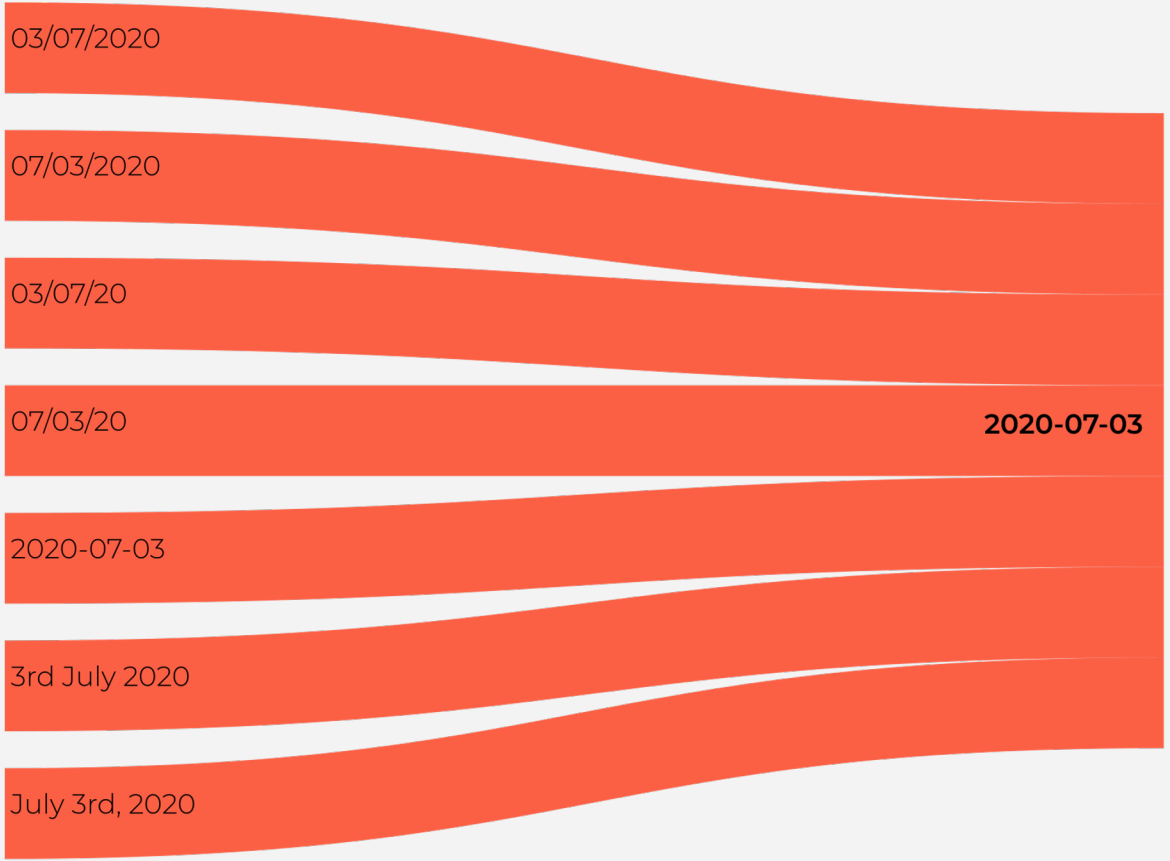
07/03/20

2020-07-03

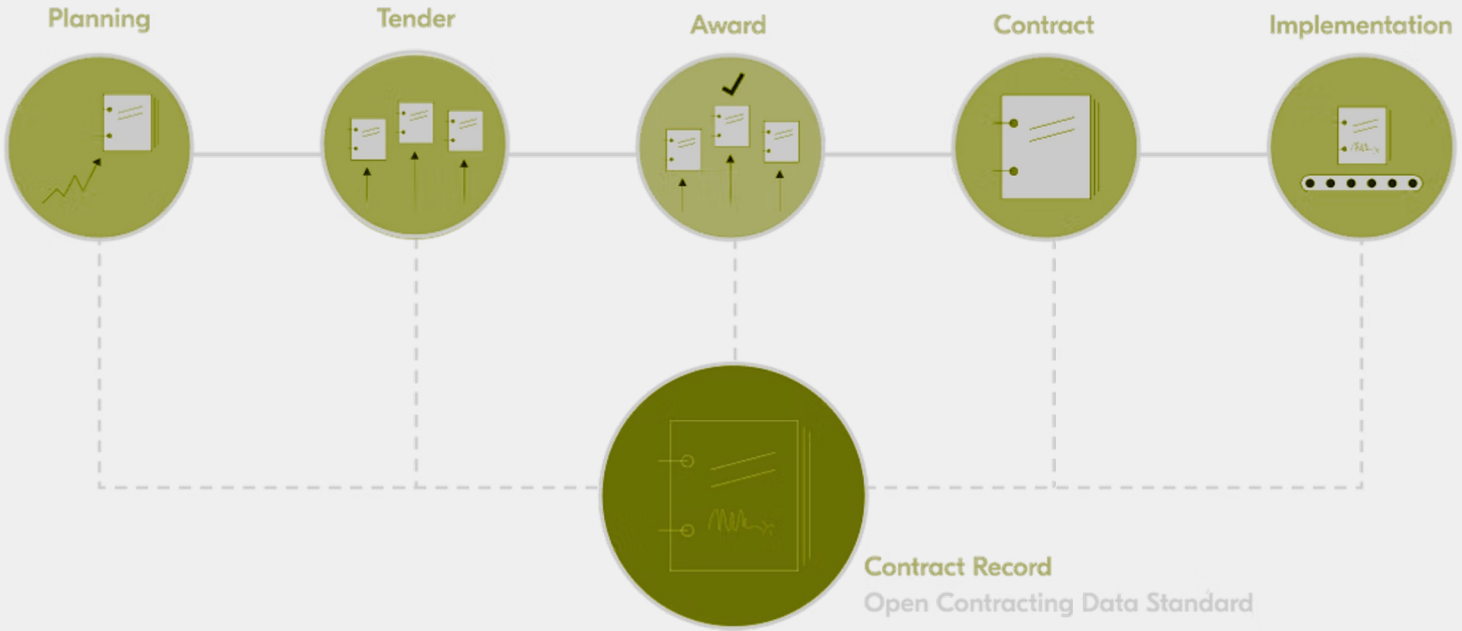
3rd July 2020

July

A data **standard resolves ambiguity**, and helps different systems work out how to interpret information



OCDS describes a **way to model and publish data** along the whole public contracting process

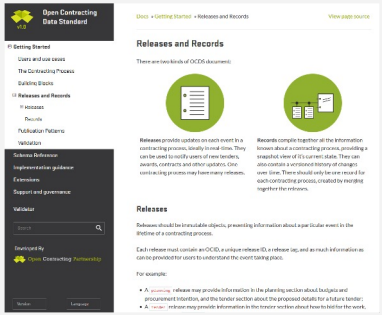


There are three **key components** to OCDS

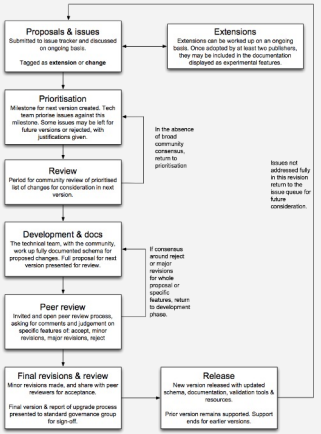
Schema


```
▾ status: {
    title: "Award status",
    description: "The current
    status of the award drawn
    from the [awardStatus
    codelist]
    (http://standard.open-
    contracting.org/latest
    /en/schema/codelists
    /#award-status)",
  ▾ type: [
        "string",
        "null"
    ],
  ▾ enum: [
        "pending",
        "active",
        "cancelled",
        "unsuccessful",
        null
    ],
```


Documentation



Governance



3

How and why to implement Open Contracting Data Standard?

What is an implementation journey?

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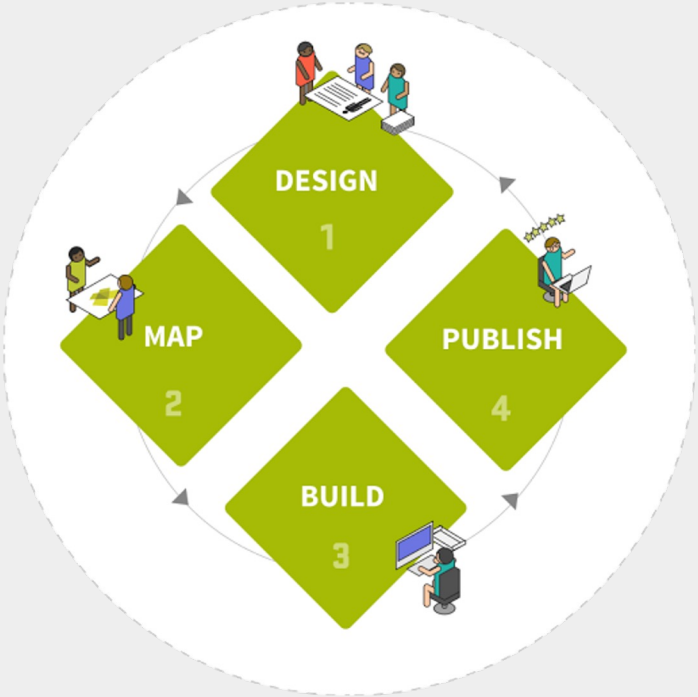
Implementing OCDS involves **4 key phases**



- **Design** your implementation
- **Map** your data to OCDS
- **Build** or update IT systems
- **Publish** data

Design phase is about setting up your OCDS implementation to be a success

Understand your context

What is your starting position? In which legal, technological and societal conditions are you going to work?

Set your goals and priorities

What are you trying to achieve? What is your theory of change?

Build your team

Find yourself a project manager, data expert, procurement expert, system architect, software developer, policy and user champions

Implementation should be focused on **data use**

The value of data lies in how it can be used, when it is analyzed and used for decision-making

OCDS was designed around several distinct **use cases**

Market opportunities

Value for money

Public integrity

Service delivery

Internal efficiency

For each of the use cases, we developed a **set of indicators** for an initial diagnosis of the performance of a procurement market

Proportion of open tenders

Proportion of single bid tenders

Market concentration

Share of direct awards

Proportion of cancelled tenders

Top suppliers

Proportion of contracts with savings and overruns

Success rate of bidders

We can advise you on **identifying your use cases**, finding relevant data fields, guiding you through the best practices

1. Identify your stakeholders
2. Figure out what information they want and why
3. Document your user requirements
4. Map demand to supply and make a plan
5. Document use and impact

Map phase is about documenting your sources of contracting data, and documenting how that data "maps" to OCDS

Identify your data sources

Which IT systems capture and store contracting data and related documents?

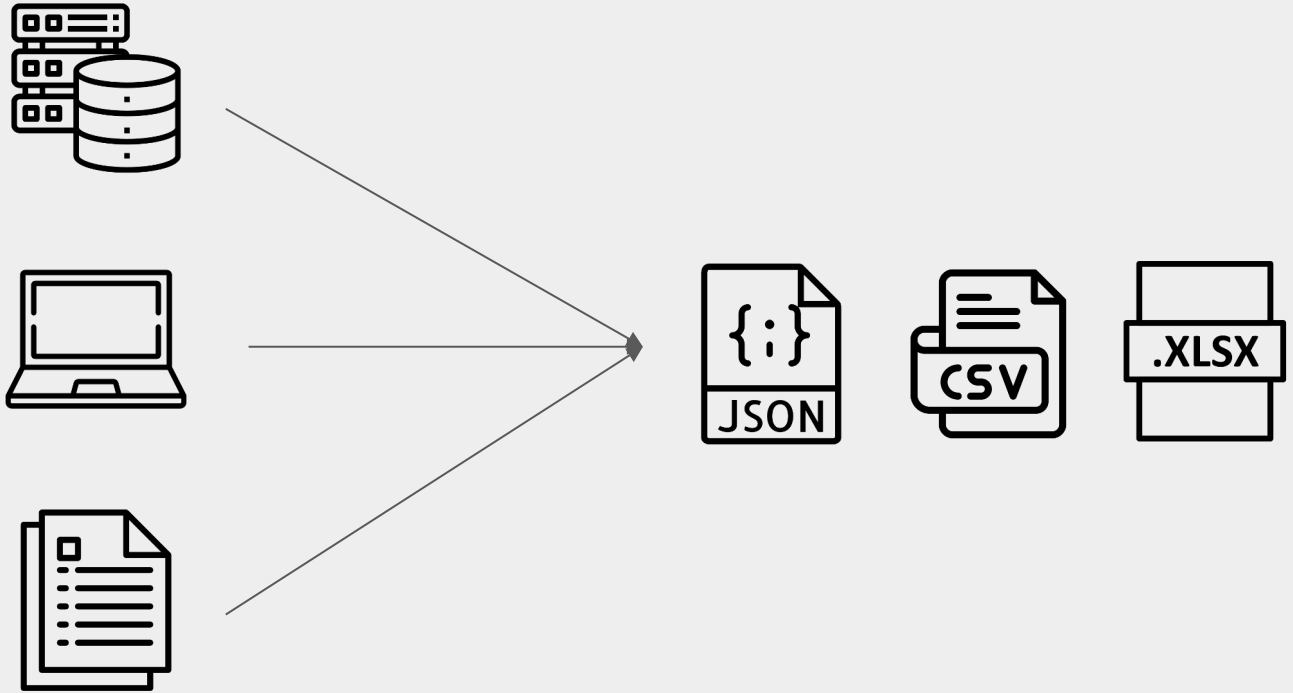
Complete the mapping

List all the data elements within your data sources and find corresponding OCDS fields for each one of them

Consider using extensions

Some data elements might not match any field or code in OCDS. To cover such cases, you can add fields and codes to OCDS using extensions

The process of mapping, extracting and standardizing the information allows an **exhaustive study of the available data** and its quality



Build phase is about creating a new IT system, or updating an existing IT system, to implement your mapping and publish OCDS data

Determine your system architecture

Your choice of architecture can determine how frequently your data is updated, whether you can publish a change history and the access methods available to your users

Build your data pipeline and extensions

Depending on your data sources and system architecture, you might be able to reuse some of these OCDS tools

Check your data

Use the OCDS Data Review Tool to check the structure and format of your data. This ensures that your data is compatible with OCDS tools

Publish phase is about sharing your data with the world

Finalize your publication policy

In OCDS, a publication policy is an essential data guide for users

License your data

A license statement sets out the permission that users have to access, use and re-use the data

Publish and share your data

As users start using the data, there will likely be some requests for iterative improvements over time to improve the quality and usability of the data

By publishing data in OCDS you're joining an **international community** of implementers and getting access to a wide range of reusable data tools

And you're also making **historical data available** and comparable over time

4

How can we help you?

Reach us out

OPEN CONTRACTING PARTNERSHIP

We have skills and expertise in data and policy

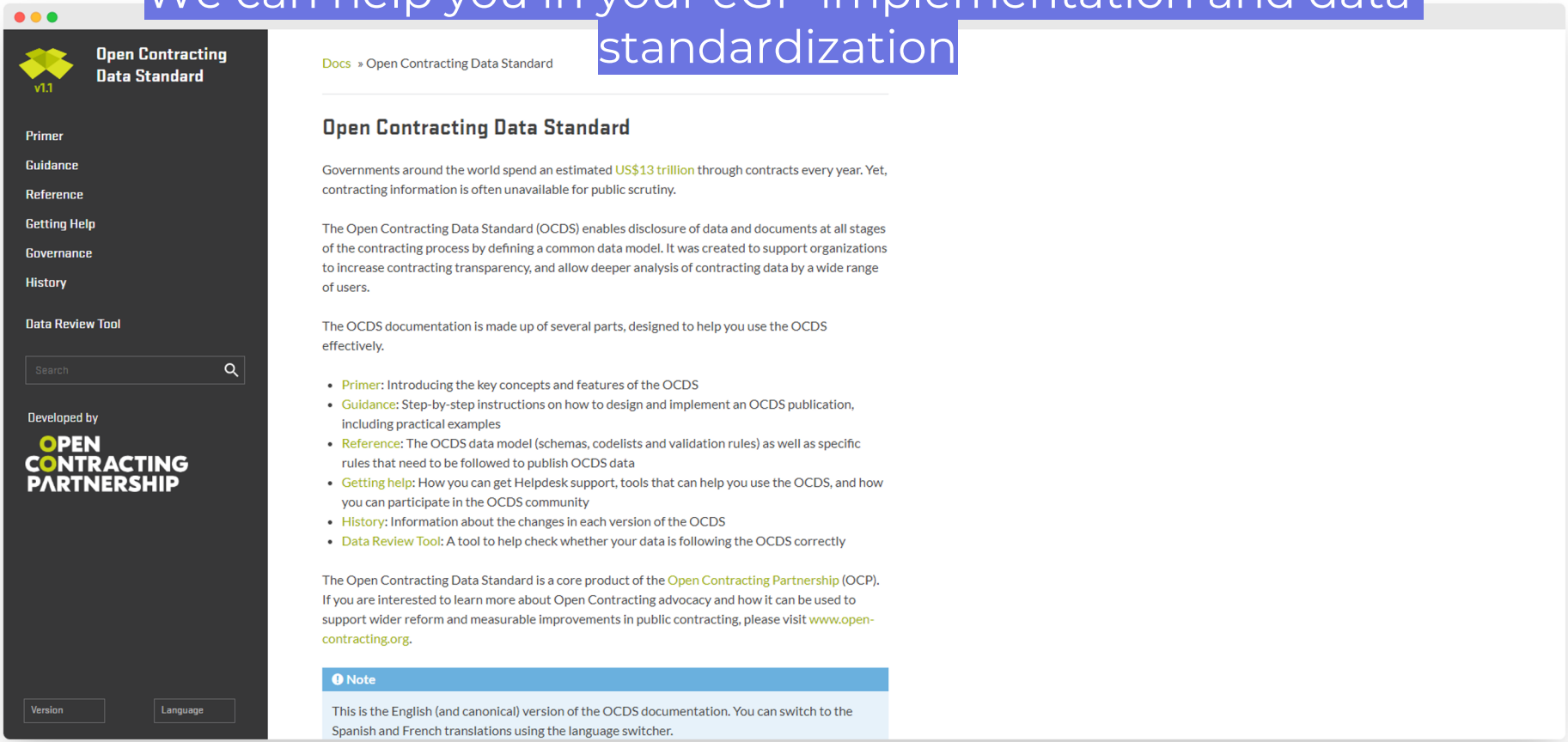
Technical assistance

We can help you design your implementation journey, map your data to OCDS, decide on your architecture, and prepare your data for publication

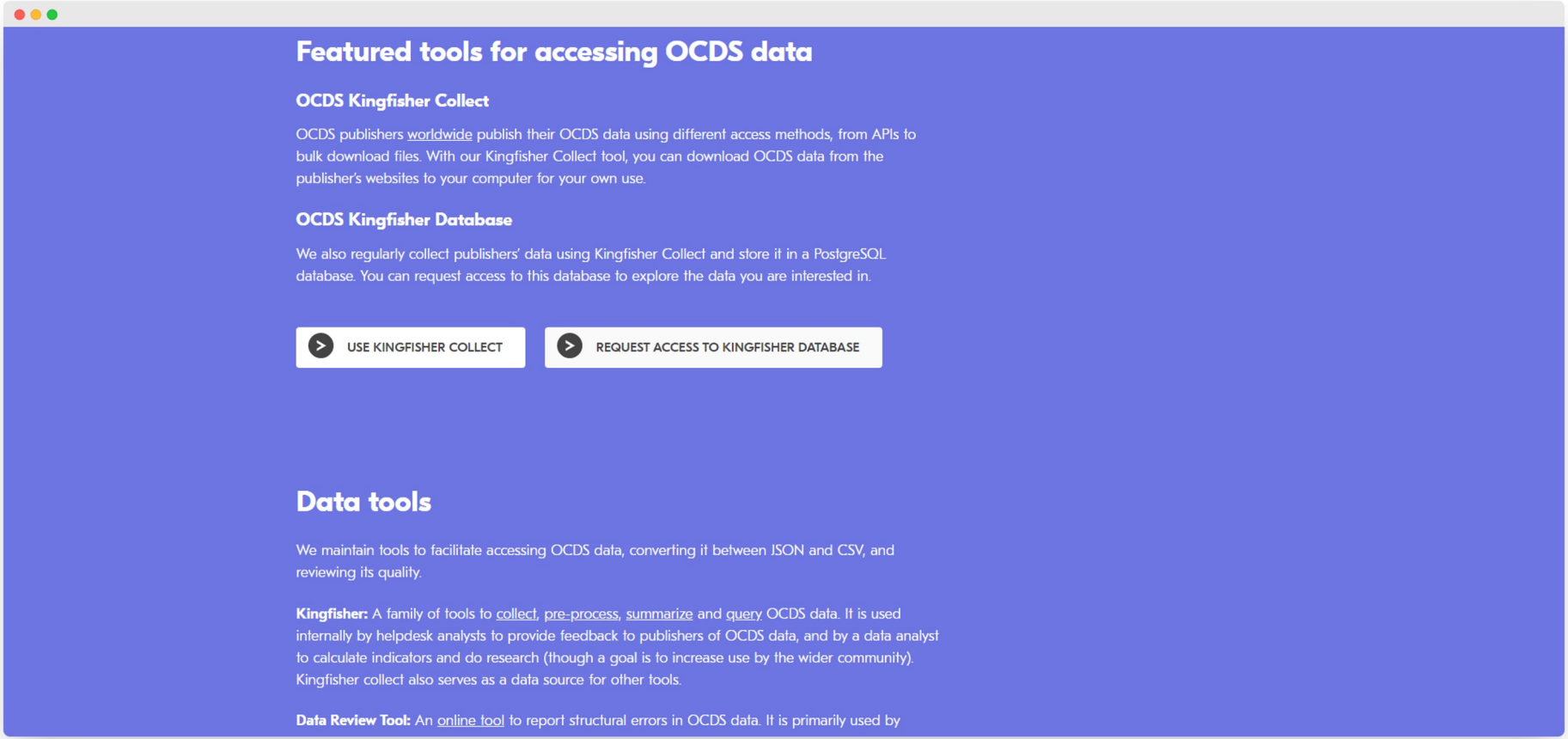
Resources and guidance

We have a lot of tools and resources on how to calculate many different indicators using OCDS data, or how to spot red flags in contracting data

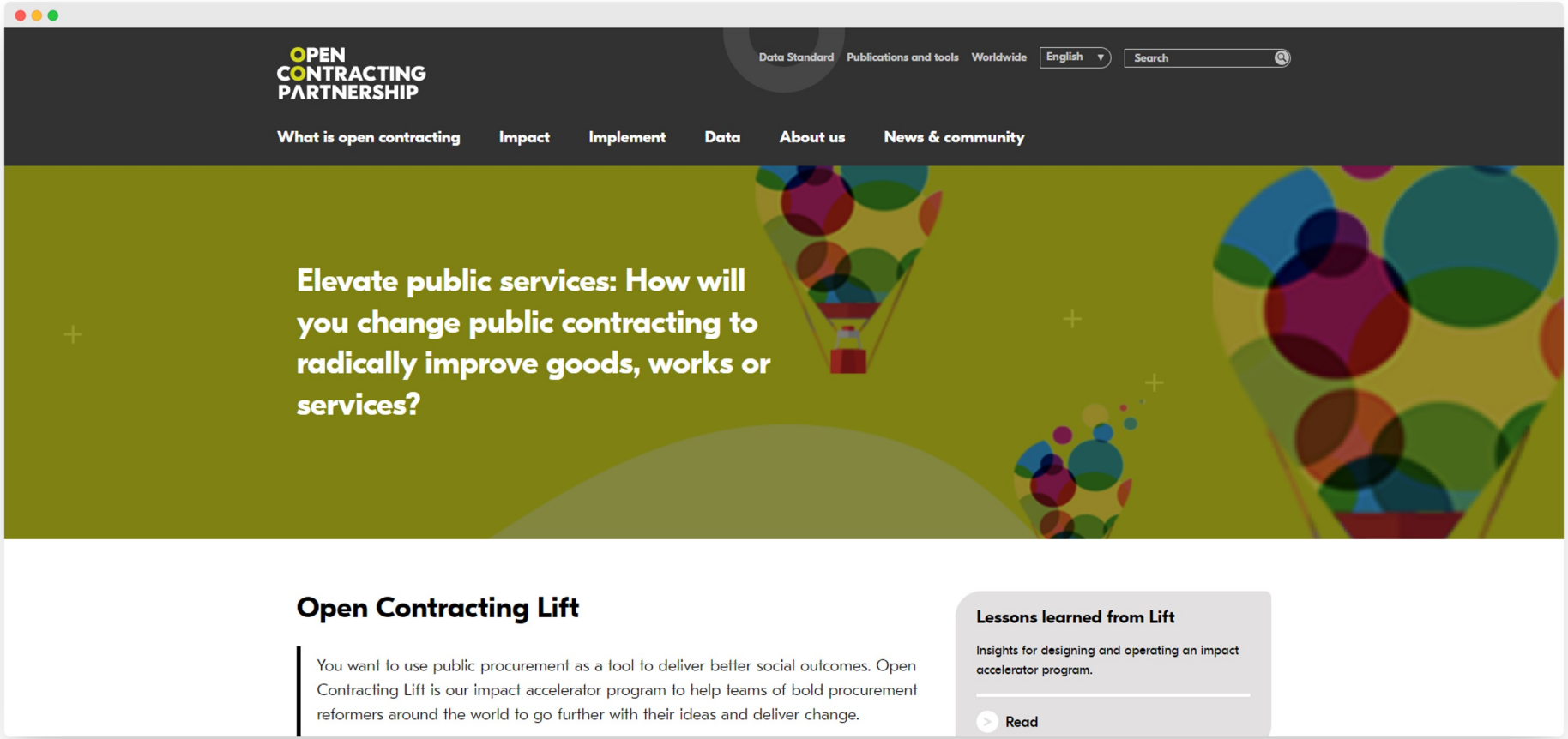
We can **guide** you through the OCDS implementation journey. We can help you in your eGP implementation and data standardization



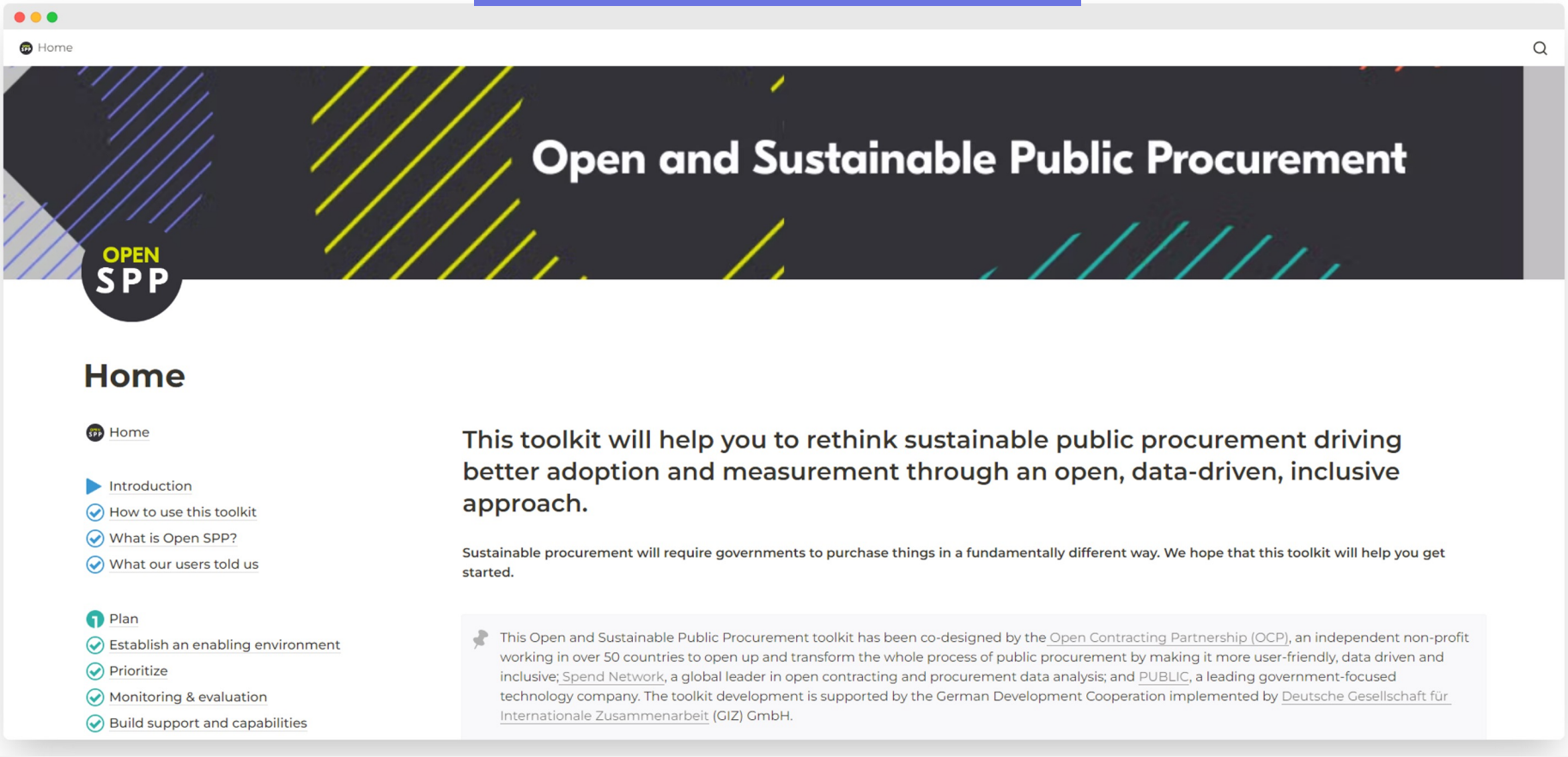
Our tools will help you to prepare data for publication, while ensuring **quality and usability**



Our Lift program can help teams of bold procurement reformers propel their ambitious plans towards **systemic change**



Our new toolkit will help you to make public procurement **sustainable and inclusive**



Questions?

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