Data Spaces Symposium

Unite. Innovate. Adopt.

The Many Ways in Which the Data Spaces Support Centre Assist You
14 March 2024 | 11:15-12:00
Darmstadt, Germany

DATA SPACES SUPPORT CENTRE

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Fiware

Agenda

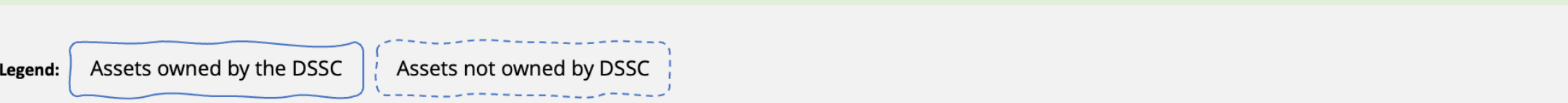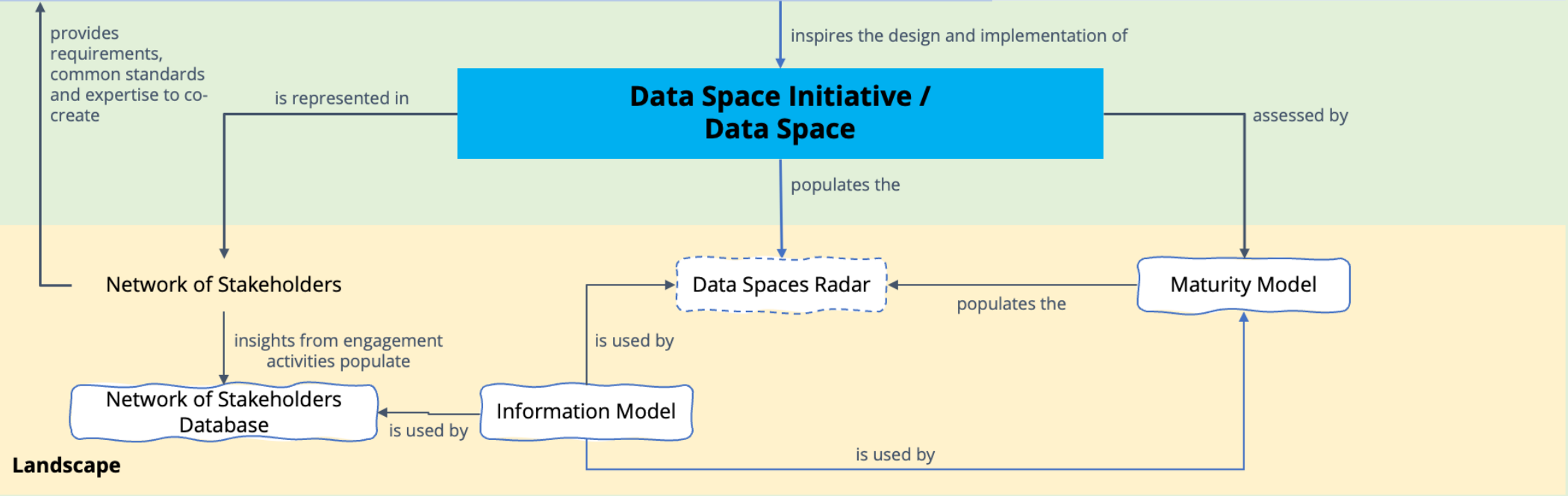|	
Introduction	Boris Otto, Fraunhofer ISST
Asset & conceptual models	Bert Verdonck, LNDS
The glossary	Tobias Guggenberger, Fraunhofer ISST
The starter kit	Tuomo Tuikka, VTT
The blueprint	Matthijs Punter, TNO
The Network of Stakeholders	Ana García, BDVA
The "Radar"	Mariano Blaya-Andreu, IDSA
our support channels	
Our communications	Tonia Sapia, FIWare
Close	Boris Otto, Fraunhofer ISST

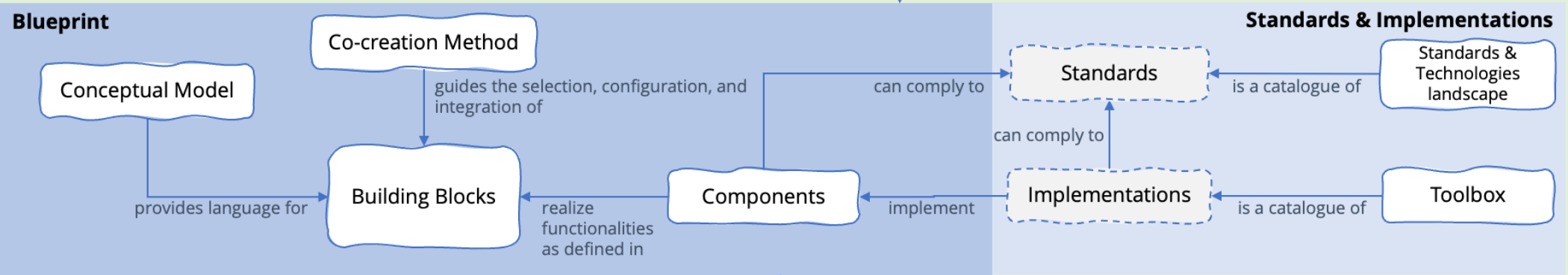# Asset and conceptual models
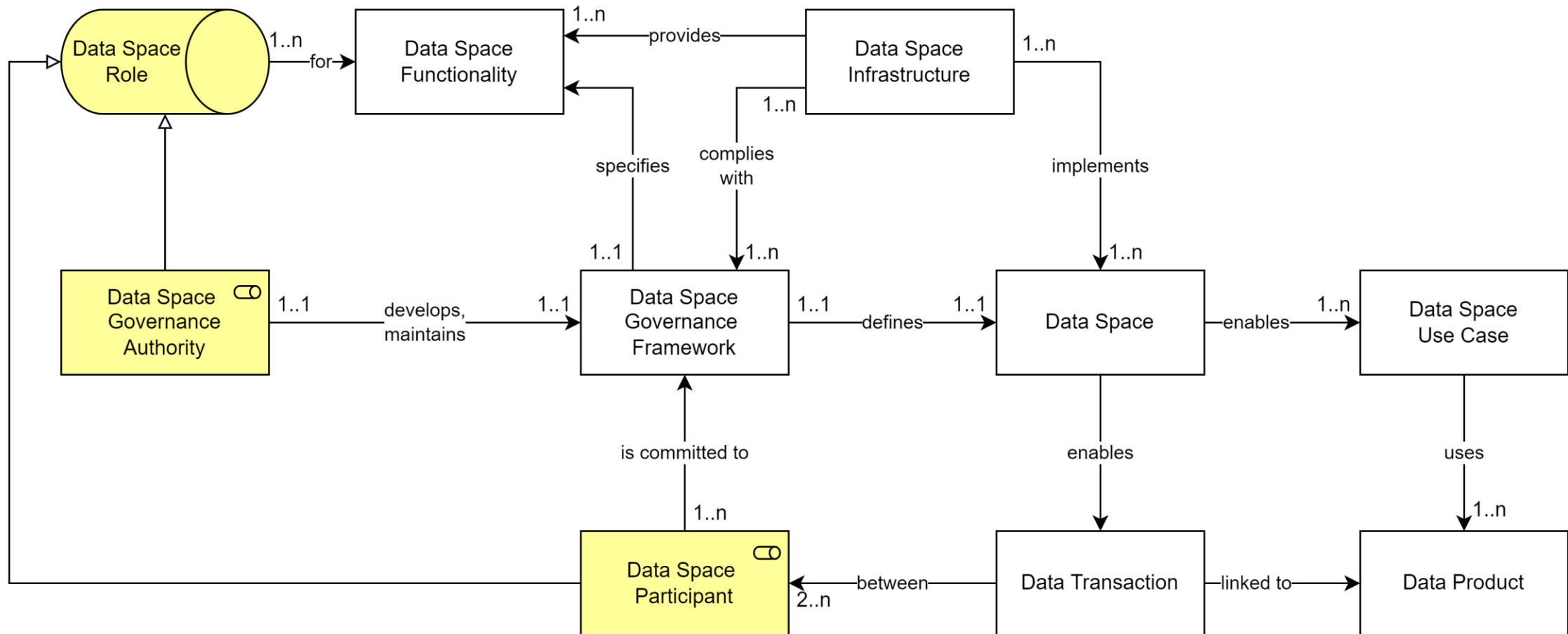
Bert Verdonck

Overall support

Glossary

Starter Kit
↓ acts as an entry point

Blueprint

Conceptual Model

Co-creation Method
— guides the selection, configuration, and integration of →

Building Blocks

Components
— can comply to → Standards

Standards & Implementations

Standards
← is a catalogue of — Standards & Technologies landscape

Implementations
— can comply to → (Standards)

Components ← implement — Implementations ← is a catalogue of — Toolbox

Conceptual Model — provides language for → Building Blocks

Building Blocks ← realize functionalities as defined in — Components

inspires the design and implementation of ↓

Data Space Initiative / Data Space

provides requirements, common standards and expertise to co-create

is represented in

populates the

assessed by

Network of Stakeholders

Data Spaces Radar

Maturity Model

insights from engagement activities populate

is used by

populates the

Network of Stakeholders Database

Information Model

is used by

is used by

Landscape

Legend: Assets owned by the DSSC   Assets not owned by DSSC
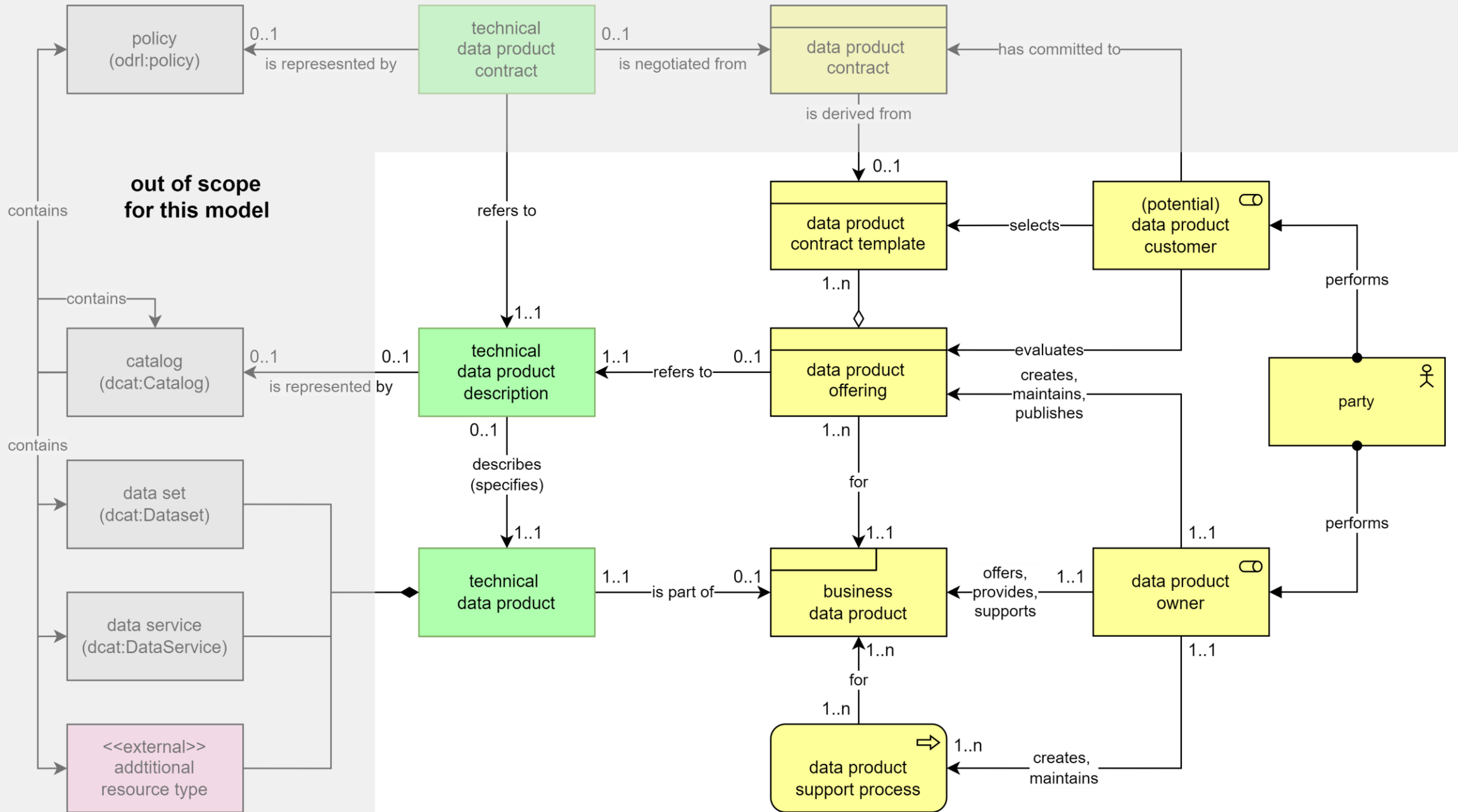
Note: this figure represents the DSSC asset model. It shows relationships between assets, without adhering to a strict UML language. The conceptual model defines further concepts and language.
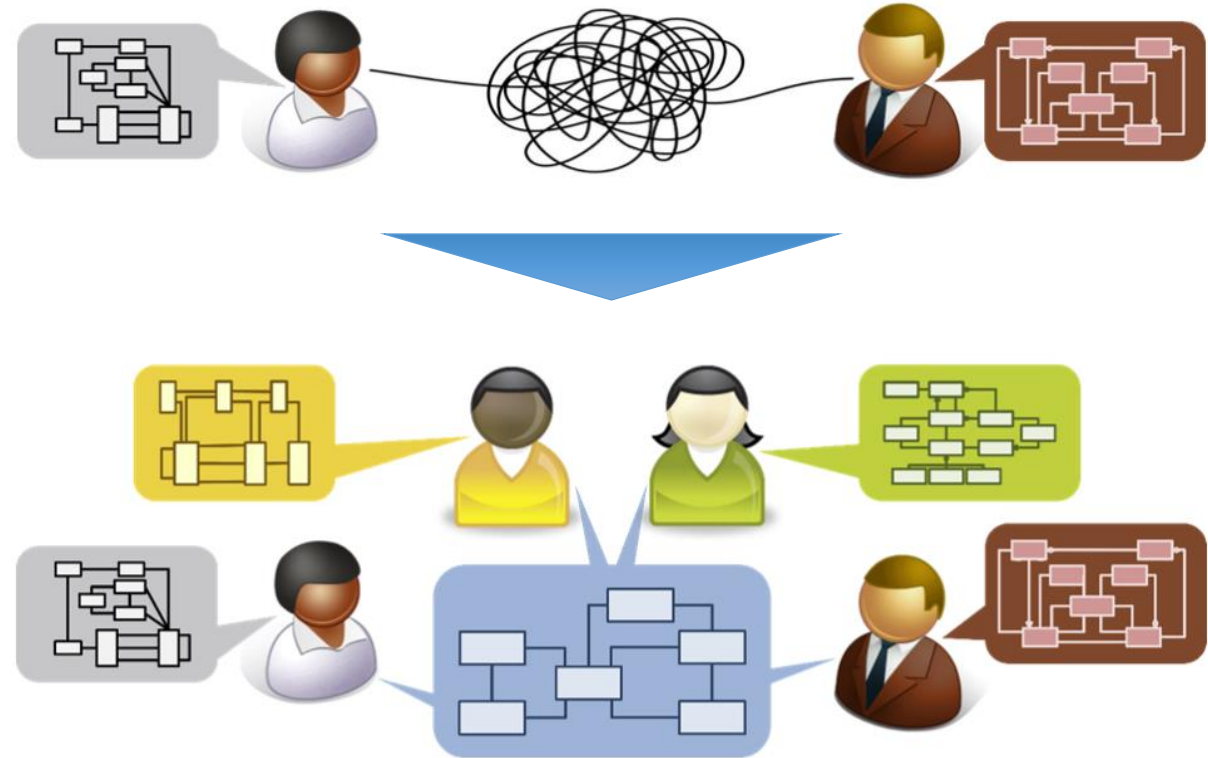
out of scope for this model

policy (odrl:policy)

technical data product contract

data product contract

data product contract template

(potential) data product customer

catalog (dcat:Catalog)

technical data product description

data product offering

party

data set (dcat:Dataset)

data service (dcat:DataService)

technical data product

business data product

data product owner

<<external>> addtitional resource type

data product support process

- is represesnted by — 0..1
- is negotiated from — 0..1
- has committed to
- is derived from
- 0..1
- selects
- refers to — 1..1
- evaluates
- creates, maintains, publishes
- refers to — 1..1 / 0..1
- is represented by — 0..1 / 0..1
- describes (specifies) — 0..1 / 1..1
- contains
- for — 1..n / 1..1
- performs
- is part of — 1..1 / 0..1
- offers, provides, supports — 1..1
- performs — 1..1
- for — 1..n / 1..n
- creates, maintains — 1..n / 1..n
- 1..n
- 1..1

Glossary

Tobias Guggenberger

Why a Glossary?

- Data Spaces is an innovative domain
- Ambiguous terminology and concepts
- Convergence for efficiency and clarity
- Conceptual Model and Glossary

A huge step towards conceptual clarity

Legislation

Other Domains

Other Initiatives

…

4 Editors, DSSC, NoS = ∞ Comments

11 Groups including **~ 100 Terms**

Let's speak the same language

Starter kit

Tuomo Tuikka

Motivation

- **Pivotal moment for EU data economy**

- **New Data Spaces are in planning and emerging**

- **Interoperability of Data Spaces**

- **Need for an entry point to Data Spaces and DSSC materials**

What to expect?

- Easy to read introduction to Data Spaces and DSSC
- To whom: Data space designers, data producers, data consumers, providers of intermediary services, or services and business applications
- Update forthcoming

Data Spaces 101

Data Spaces Start-up Checklist

Business: Value and Models

Legal Aspects of Data Governance

Operational Activities

Functionality

Technology

A Design Approach

DSSC Blueprint

DSSC – Supports

Resource Inventories

http://dssc.eu

Blueprint

Matthijs Punter

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Why a blueprint for data spaces?

Get to a higher flight-level, quicker
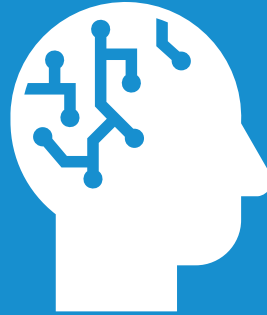
Future-proof your investments

Federate and scale → bigger market, more value

Blueprint for data spaces

Building blocks

Business & Organisational

Technical

- ✓ Required capabilities
- ✓ Core design decisions
- ✓ Specifications & common standards
- ✓ Further reading

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Network of Stakeholders

Ana García

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Network of Stakeholders (NoS)

The many ways the NoS supports you

- **11 Relationship Managers** assigned per sector
- Thematic Groups
- Expert groups
- Regular communications
- Insights and visibility
- Matchmaking
- Community

DSSC
Network of Stakeholders

Liaisons & Collaborations
Other relevant initiatives
& bodies

Community of Practice
Data Spaces initiatives
& BB implementers

Strategic Stakeholder Forum
Organisations with expertise in
Data Spaces

Radar

Mariano Blaya-Andreu

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dataspaces-radar.org

Discovering initiatives per geography

Map view

Finding out who is implemeting what

Advanced filtering

Getting inspiration for new use cases

Radar view

Showcase your dataspace initiative

Improved UX

Satisfying your curiosity

Enhanced visualization
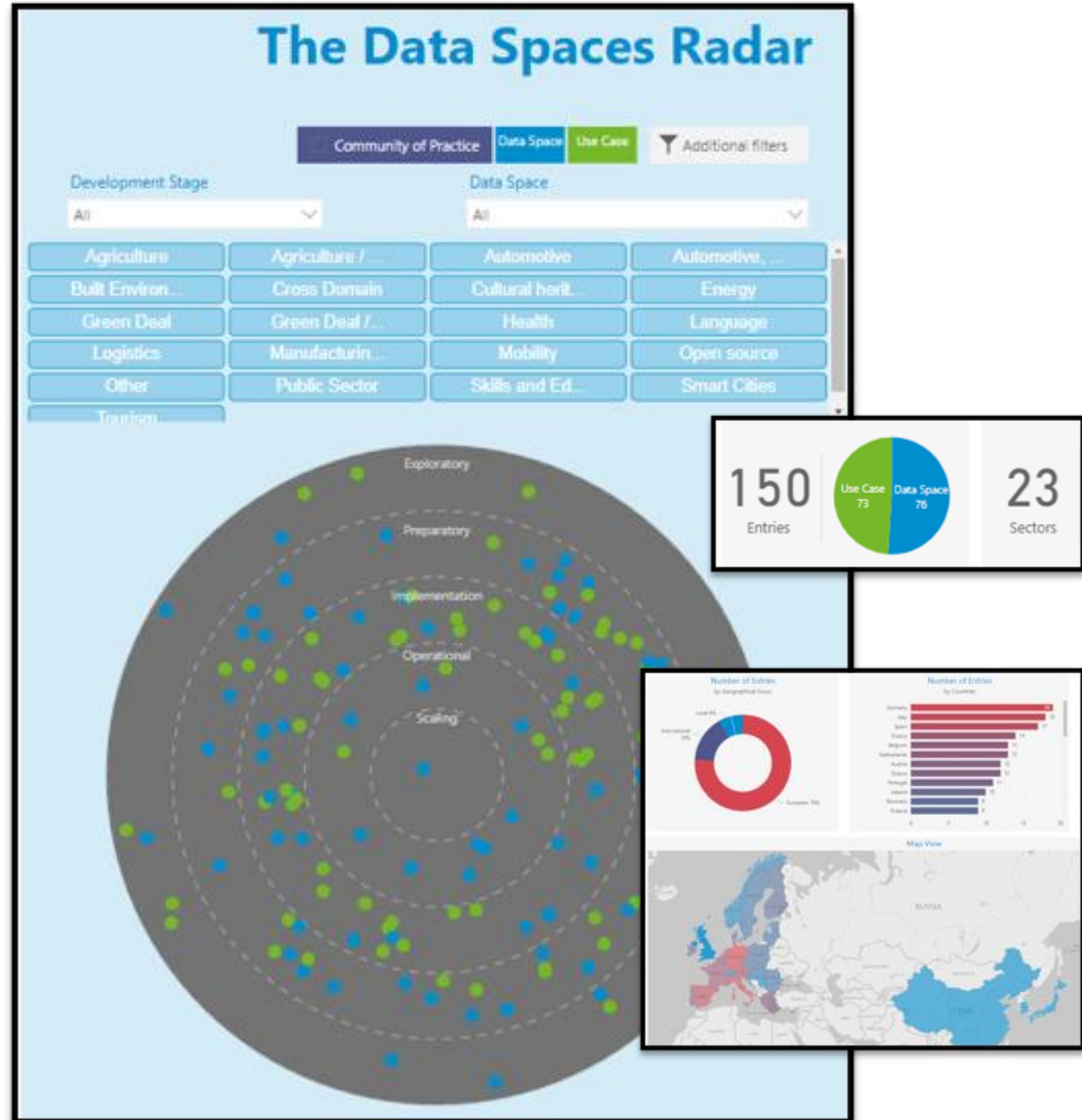
Radar: what is next

Regular data updates	Controlled by owner	September 2024	Building blocks	Components	Standards	API, RSS	**Dataspace**

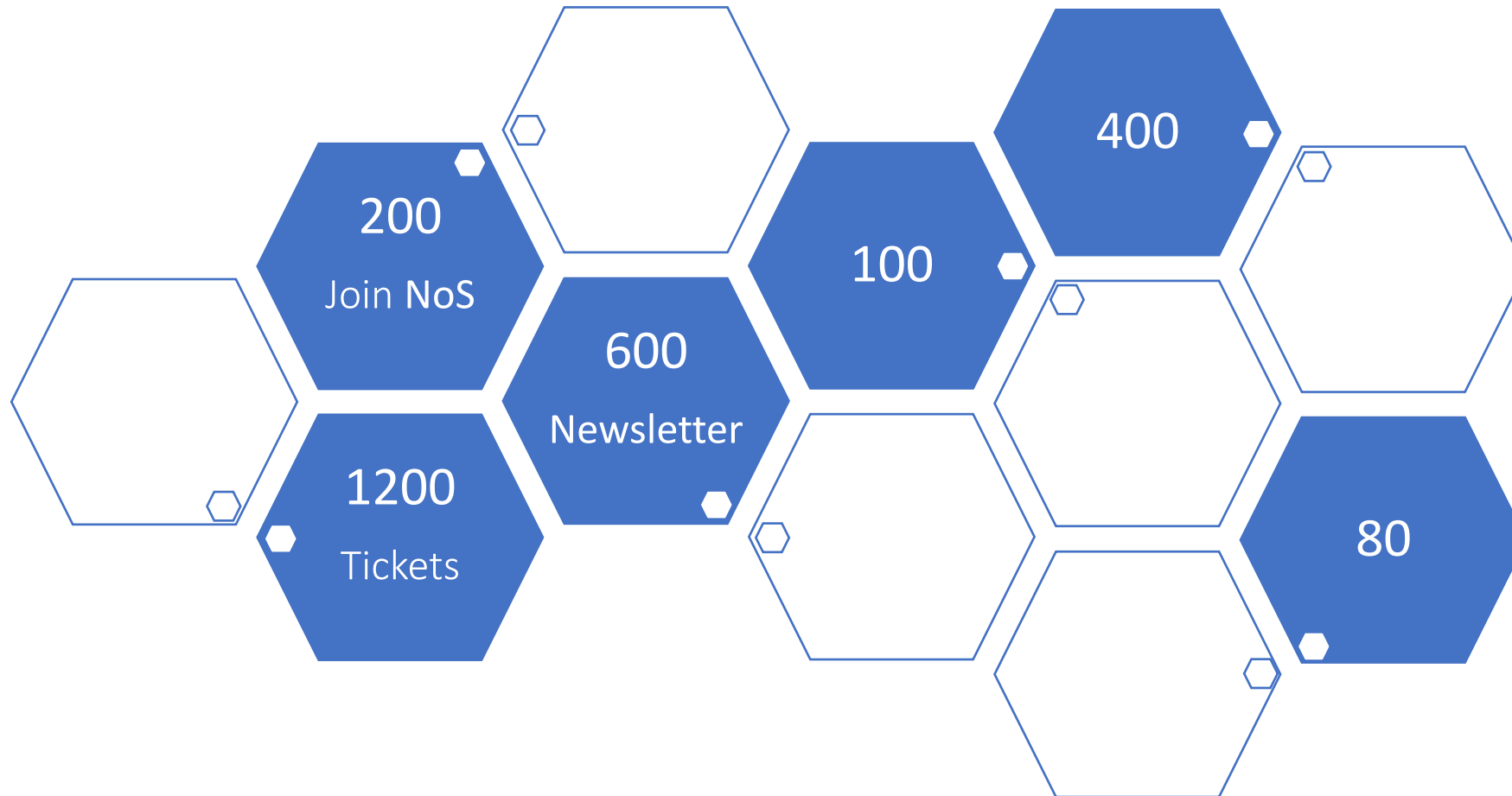| Data **quality**	Quarterly releases	Technologies	Sharing

Support team

Mariano Blaya-Andreu
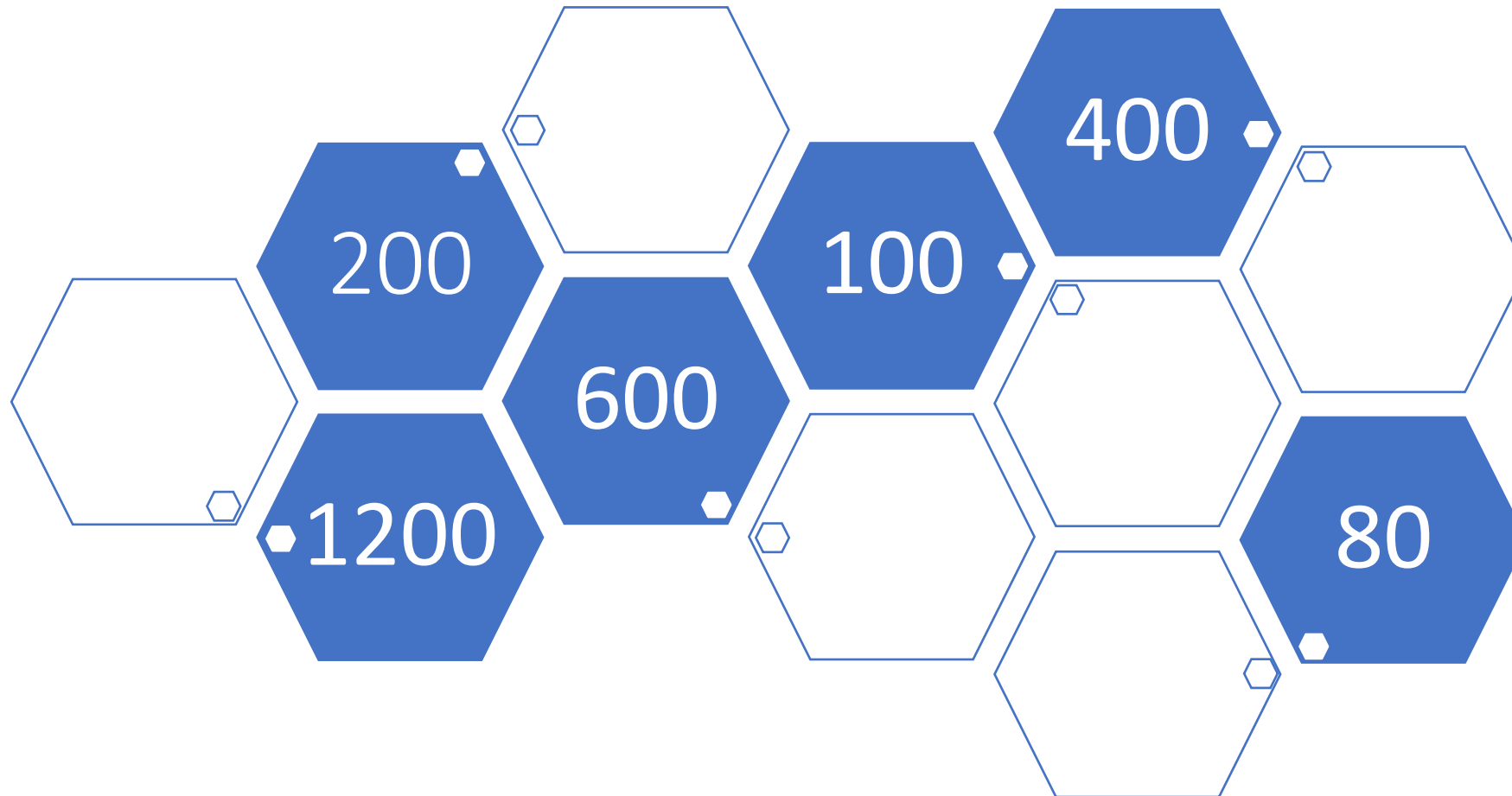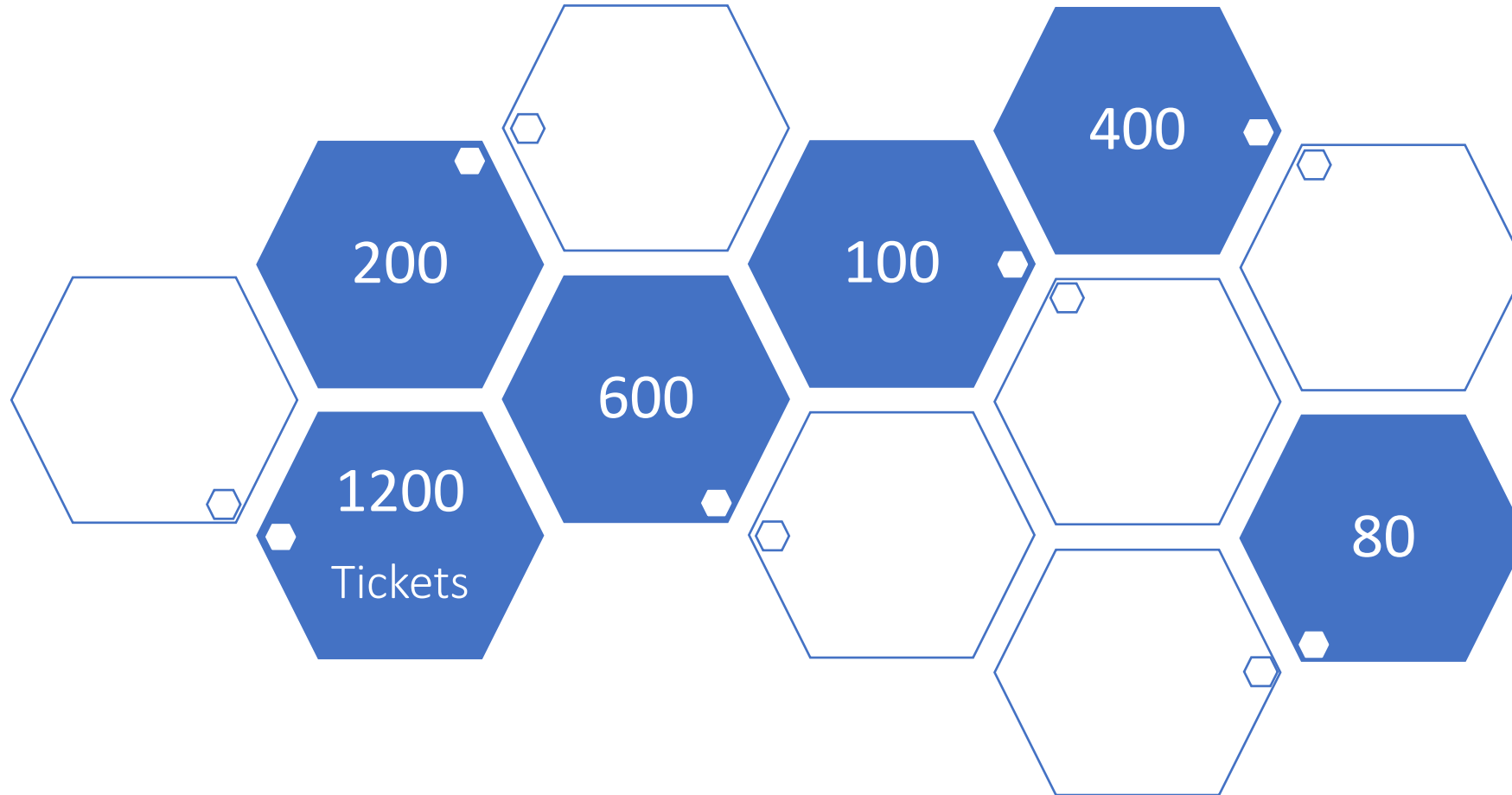
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How the Support team assists you

How the Support team assists you

400

200

100

600

1200
Tickets

80

How the Support team assists you

400

200

100

600
Newsletter

1200
Tickets

80

How the Support team assists you

How the Support team assists you

200
Join NoS

1200
Tickets

600
Newsletter

100
Platform

400

80

How the Support team assists you

200
Join NoS

600
Newsletter

100
Platform

400
Others

1200
Tickets

80

How the Support team assists you

200
Join NoS

400
Others

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Platform

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Tickets

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Deflected
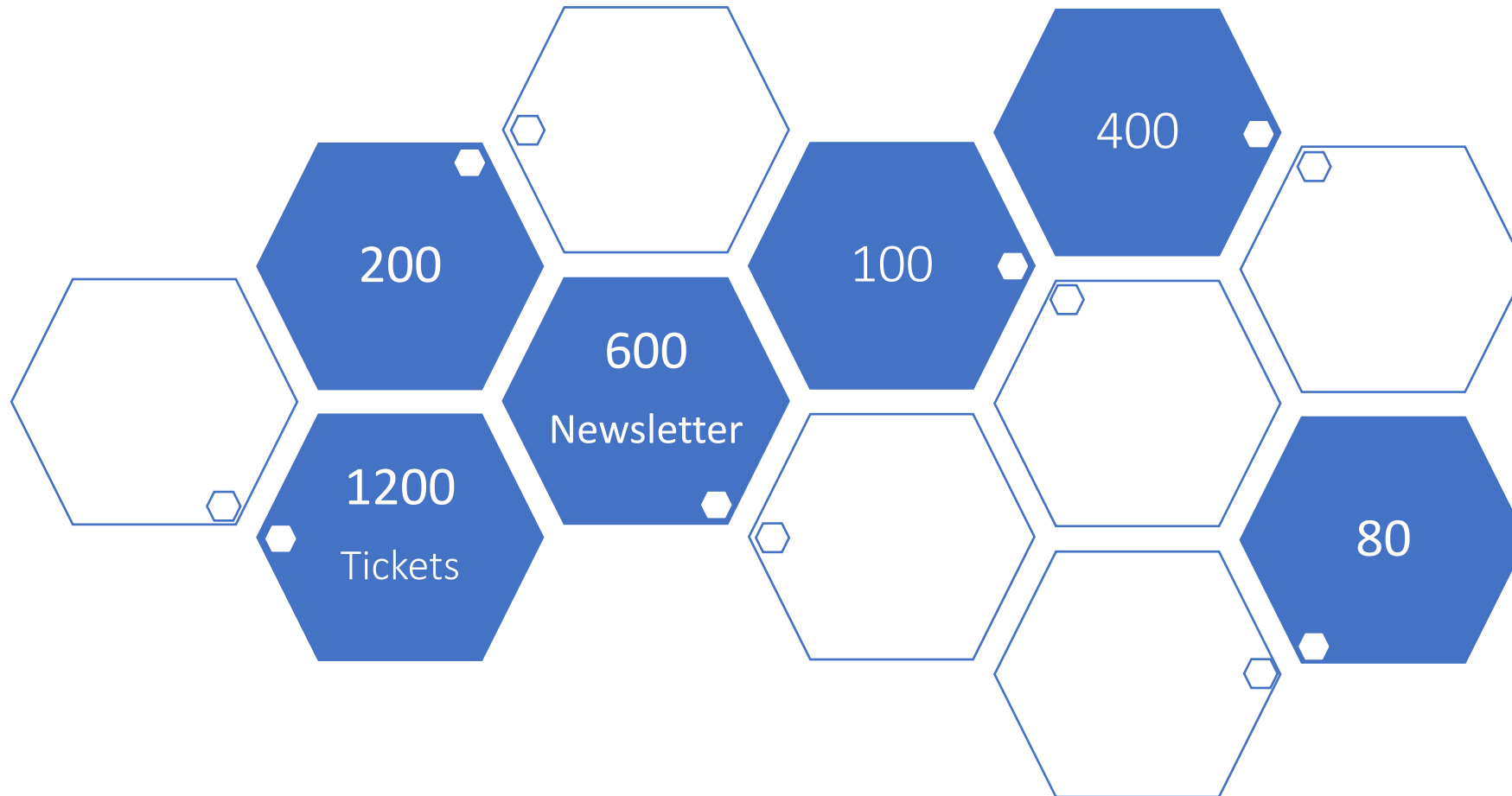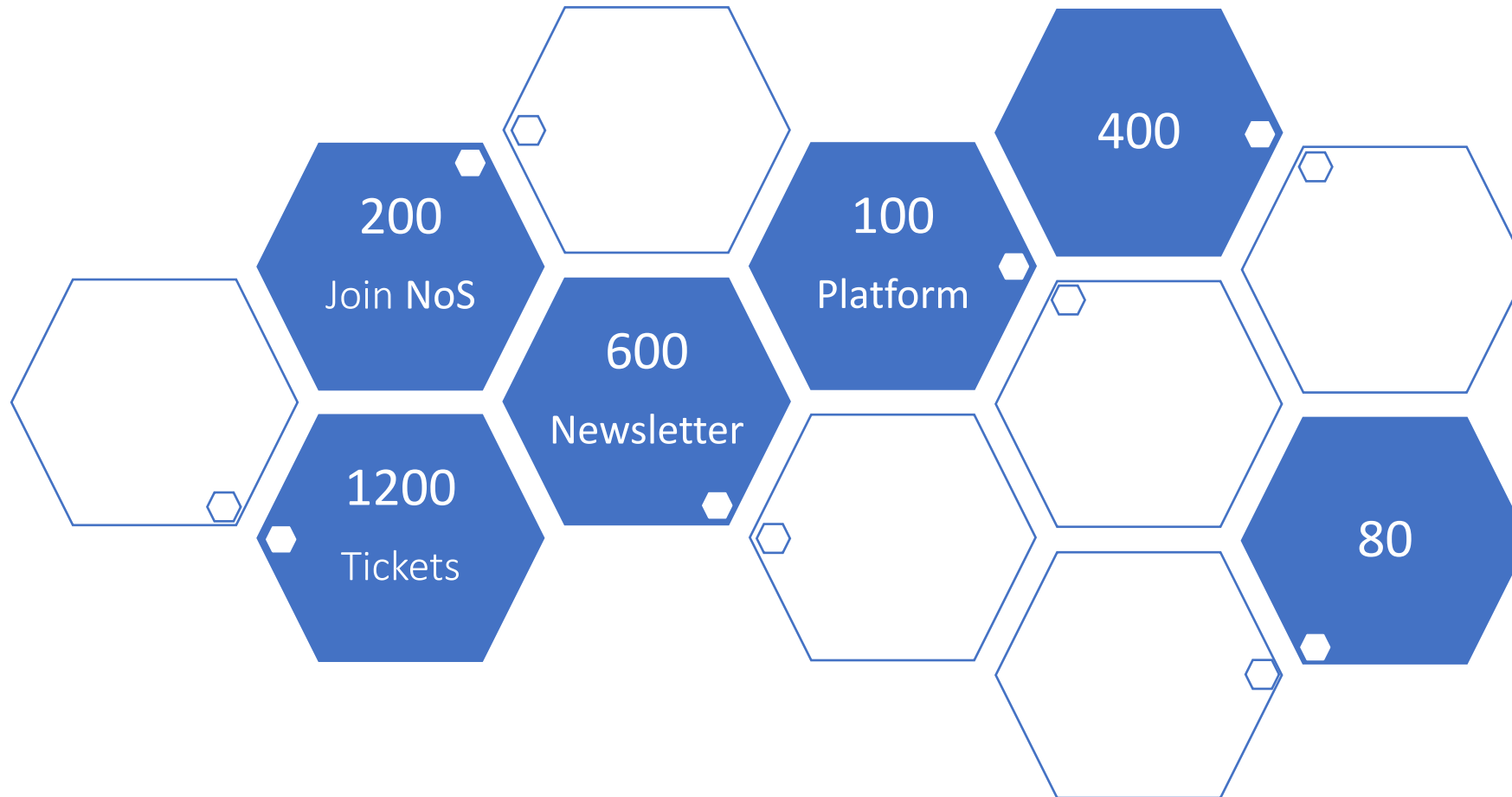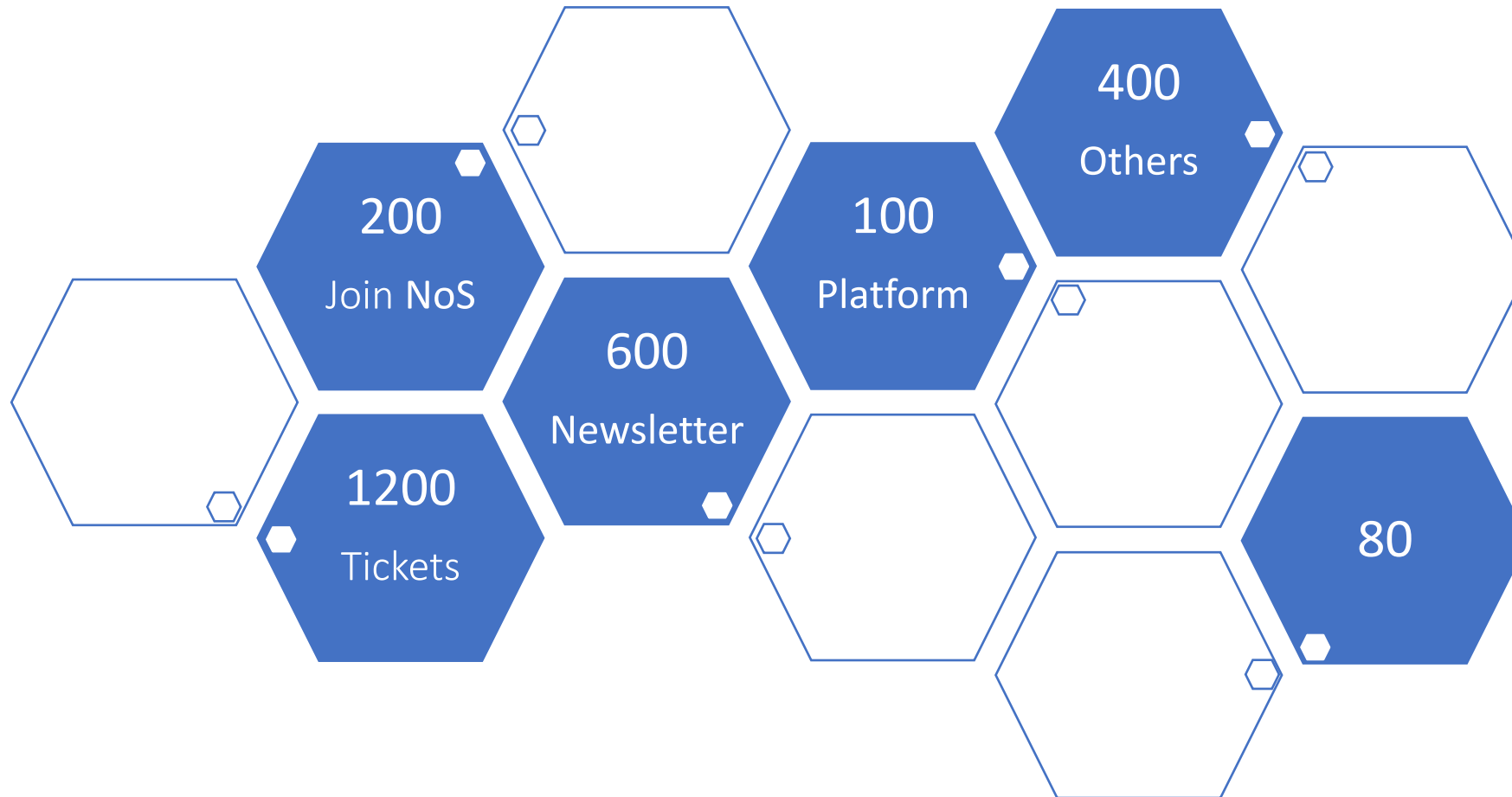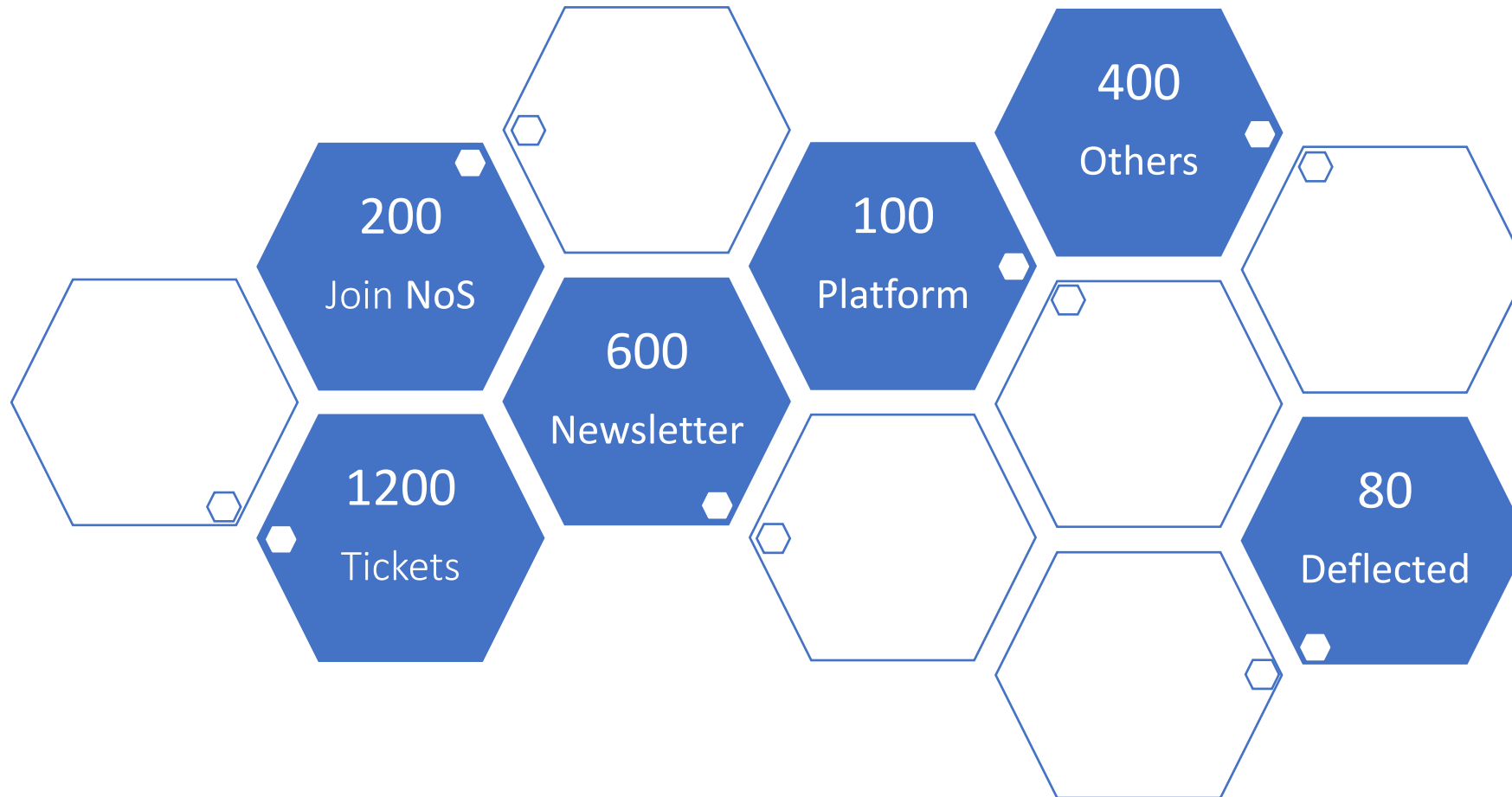
Support team: what is next

Optimize quality and response time.

Support the DSIs more efficiently.

Structure the „other" tickets category.

Expand our support to the new and updated assets.

Measure customer satisfaction.

Our Communication

Tonia Sapia

Stay Connected, Stay Informed!

DATA SPAC
SUPPORT (

Get monthly highlights about Data Spaces Support Centre!

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Sign up for DSSC Newsletter

Stay up to date!

DATA SPACES SUPPORT CENTRE

SIGN UP HERE

https://tinyurl.com/dssc-newsletter

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