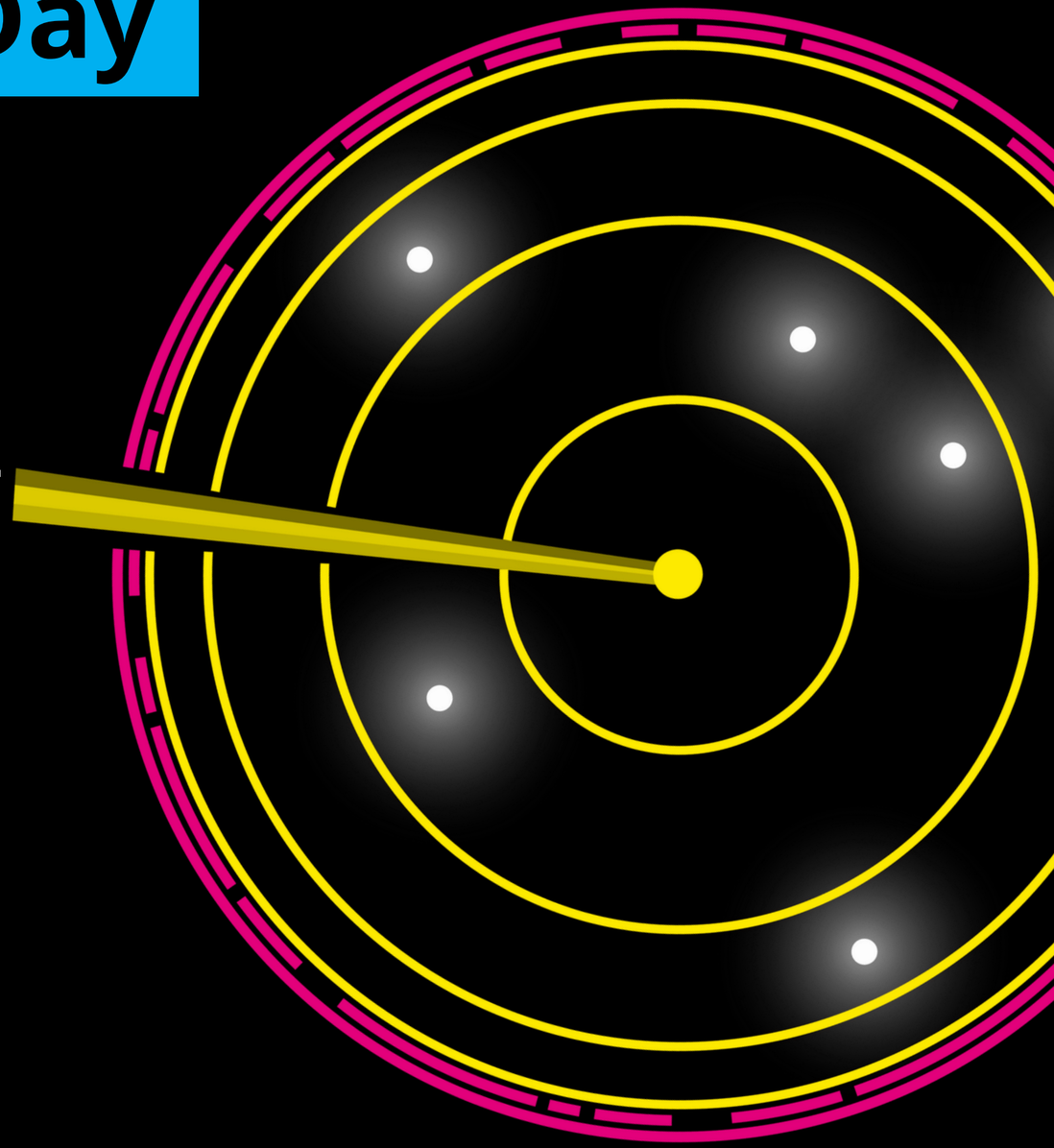
Data Spaces Discovery Day

October 19, 2023 | Vienna



Data Spaces: what is needed, how it its built – IDSA Rulebook as foundation

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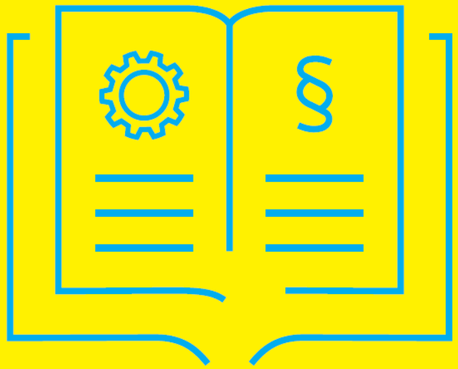
INTERNATIONAL DATA SPACES ASSOCIATION

White Paper | Version 1.0 | December 2020

IDSA Rule Book



- ○ Position Paper of members of the IDS Association
- ○ Position Paper of bodies of the IDS Association
- ○ Position Paper of the IDS Association
- ● White Paper of the IDS Association

1 Introduction

1.1 Who should read this rule book?

It is all about data. If your business has anything to do with generating or exchanging data or building/using data-driven ecosystems and business models, you should be thinking about data sovereignty. This book is for you.

This rulebook addresses:

- Peer-to-peer data sharing
- Data sharing ecosystems
- Data marketplaces
- Data-driven platforms
- Data-driven business models
- GAIA-X participants

1.2 Goals and scope

1.2.1 Goals of the IDSA

The IDSA aims to unlock the data economy of the future by providing the blueprint for secure, self-determined data exchange among trusted partners. This is what's referred to as "data sovereignty," and it is vitally important, in light of the fact that data access and exchange are rapidly becoming critical success factors for both companies and entire economies.

Until now, companies have held vast amounts of valuable data that they have been unable to control, share or monetize on their own terms. The IDSA has defined a reference architecture and a set of agreements that can be used to create virtual data spaces which establish trust among partners and a basis for innovative, new business models, products and services.

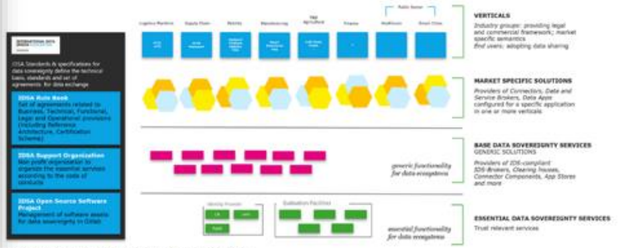


Figure 1 Overview IDS enabled ecosystems

The IDS protocol is based on commonly accepted data governance models so that it can facilitate secure data exchange and easy linkage across disparate systems, industries and geographies.

1.2.2 The purpose and scope of the rule book

In order for the future data economy to function smoothly and deliver on its value proposition, all players need to abide by a common governance framework that specifies the functional, technical, operational and legal agreements that structure their roles and interactions within and across the various parts of the ecosystem. This book outlines that framework.

By following these rules and guidance, all players can work together to reach our shared goal of unlocking the full value of the global data economy. For the purposes of this book, the key roles in the IDS ecosystem are as follows:

1. **The IDSA Support Organization**: Responsible for maintaining the rule book and for supporting its application. The IDSA support organization helps coordinate key processes and as general governance instance a foundation for the realization of internal structures and interfaces to other parties.

2. **The essential service providers**: Responsible for providing the essential services needed by all participants. They build the source of common agreements.

3. **All users of IDS:** Users will need guidance on how to proceed within this framework to realize use cases on the foundation of a trustworthy infrastructure and governance.

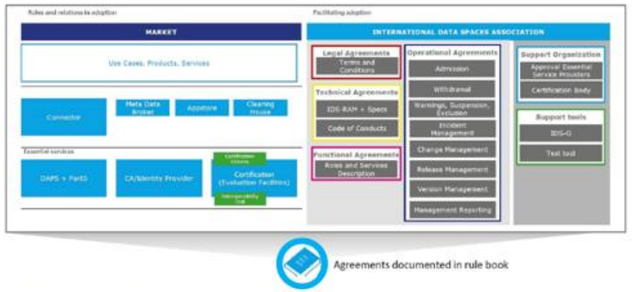


Figure 2 Overview Rule Book scope and goals

IDSA Rulebook

Success factor for data spaces

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- defines **functional requirements** for data spaces.
- describes the **technical, operational, and legal agreements** to enable the IDS ecosystem to be fully working in a real-world scenario.
- outlines **a common governance framework** that all players need to abide to, for a smoothly running future data economy.
- is **industry-agnostic**, and applicable in all verticals as a **horizontal standard**.

IDSA Rulebook Working Group

Catching up!

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Rulebook Working Group

- In 2022 IDSA has set up a Rulebook Working Group
- Rulebook development process is aligned with the IDSA operational handbook process
- The Rulebook Working Group is open for every IDSA member
- The group meets on a monthly basis, the first Tuesday of the month, 12:30 – 14:00 CET.

What is the Rulebook?

- The Rulebook is the document containing all functional requirements and technical, operational and legal agreements to set-up and operate data spaces based on IDS.
- It connects the IDS-RAM, IDS-G and IDS Certification to the operational viewpoint.
- Provides basis for maintenance and reliability of the IDS as an industry standard.

Ongoing work

IDSA Rulebook

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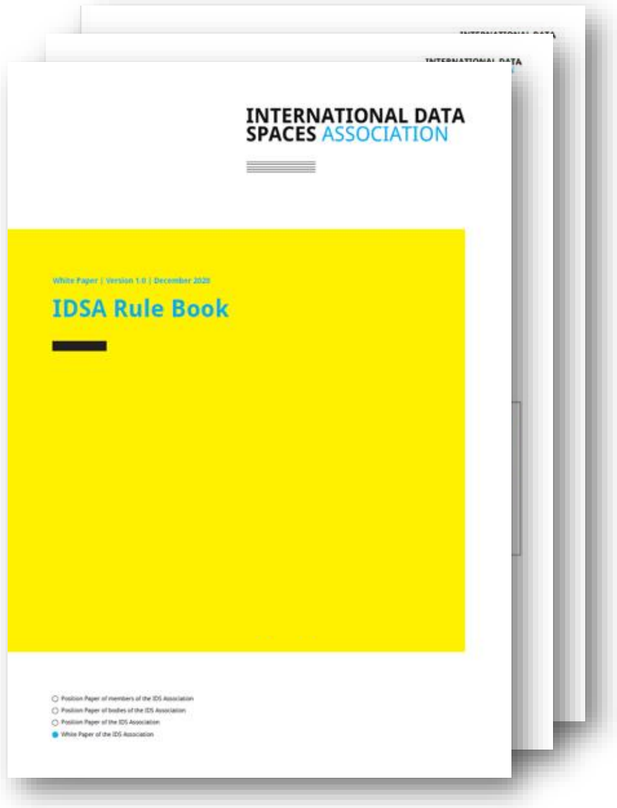

Published

- IDS Rulebook will be updated continuously by the working group
- Find the current version in the IDSA docs https://docs.internationaldataspaces.org/idsa-rulebook-v2/
- And on GitHub https://github.com/International-Data-Spaces-Association/IDSA-Rulebook