

IOTWeek

Dublin — June 20-23, 2022

IDSA activities on architecture and standards in data spaces

22 June, 15:15 – 16:30

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GLOBAL VISION:

IoT TODAY AND BEYOND

IOTForum



Reference Architecture Model

Purpose and structure

- The IDS-RAM defines fundamental concepts for:
 - Data sovereignty
 - Data sharing
 - Data Exchange

The IDS-RAM focuses on the generalization of concepts, functionality and overall processes involved in the creation of a secure “network of trusted data”

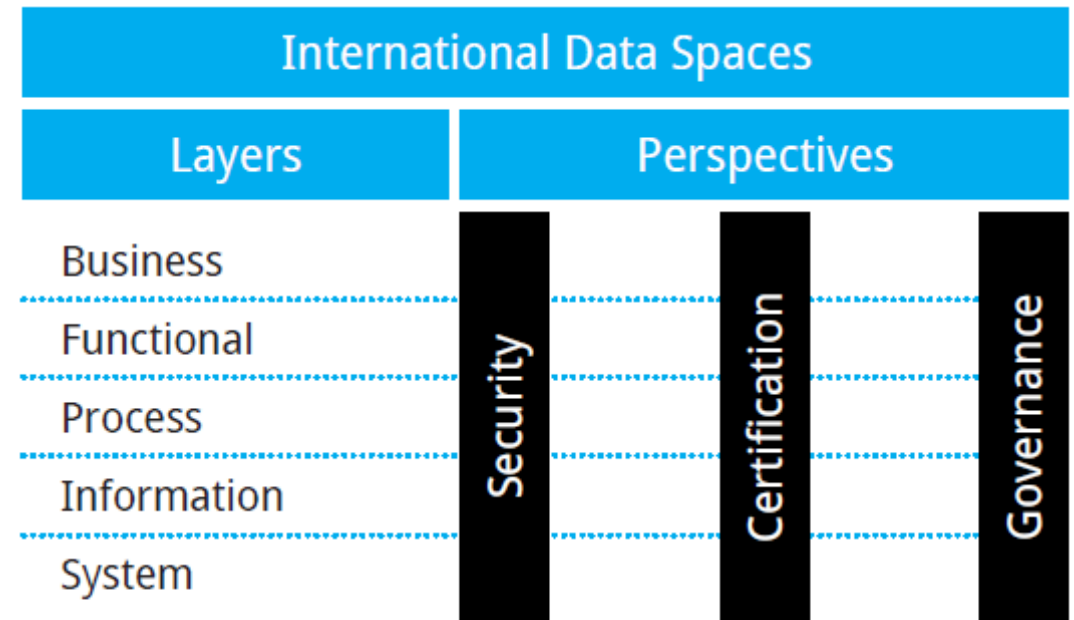


Figure 1.2: General structure of Reference Architecture Model



Reference Architecture Model

IDS-RAM 4.0

- Necessary updates and refinements for IDS Certification go live
- Adoption of cloud concepts
- Refinements on core topics, e.g. Usage Control and Data Governance
- General updates and enhancements to get closer to completeness
- Online first approach, including an open contribution model

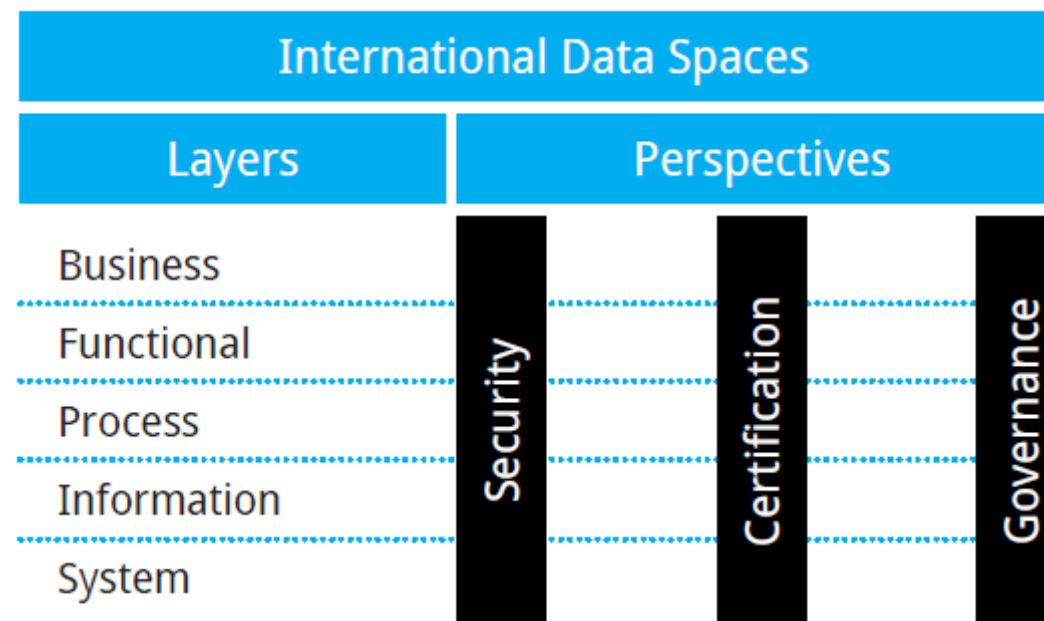


Figure 1.2: General structure of Reference Architecture Model



Reference Architecture Model

IDS RAM 4.0 repository in GitHub

Search or jump to... / Pull requests Issues Marketplace Explore

International-Data-Spaces-Association / IDS-RAM_4_0 Public

Watch 16 Fork 3 Star 4

IDS RAM 4.0 (Public preview)

Welcome to the IDS RAM 4.0 repository of the [IDSA](#). This repository is the working version of the IDS RAM 4.0. It was initialized with [IDS RAM 3.0](#).

Most relevant content is already added to this repository, but some aspects are still in progress. You can today:

- Read the [current version in Markdown](#)
- Raise an [issue](#) on existing content or new content
- Check the open [pull requests](#)

Please note that this is not yet the official and approved version of the IDS RAM 4.0.

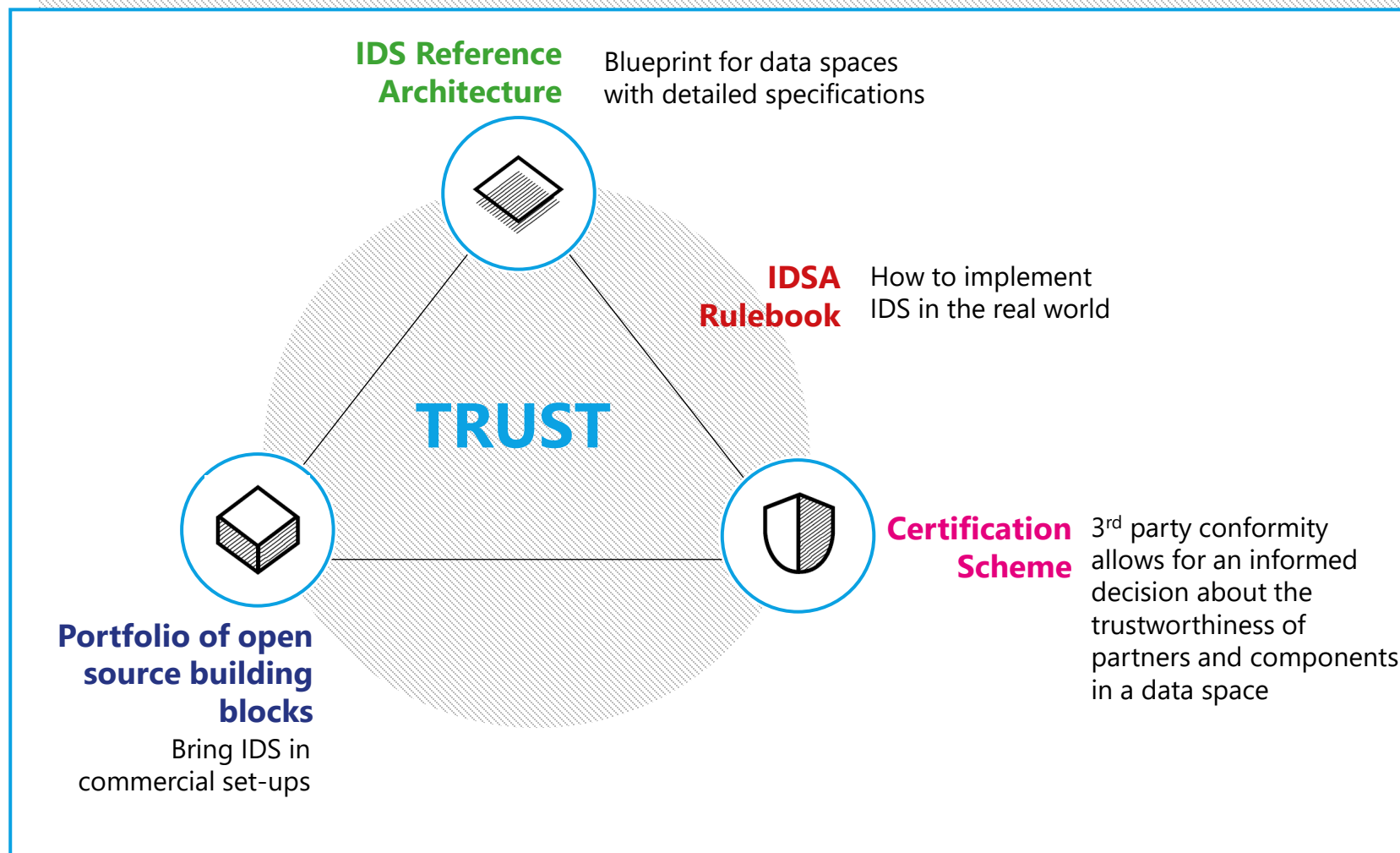
+ 8 contributors

» You want to design the
IDS-RAM in future?
You can start right away!



The Magic Triangle

IDSA as reliable base for data spaces



- » Guarantee **interoperability** in data spaces and between data spaces
- » Holistic **governance** to run data spaces
- » Reliable foundation for **commercial offerings** (including clear lifecycle, change management, versioning)
- » Ensure **trust** in data spaces

**Win 20,000 EUR
towards your certification**



For limited time only. Apply to the call for participation:
www.ids-certification-award-2022.org

IDS standardization roadmap

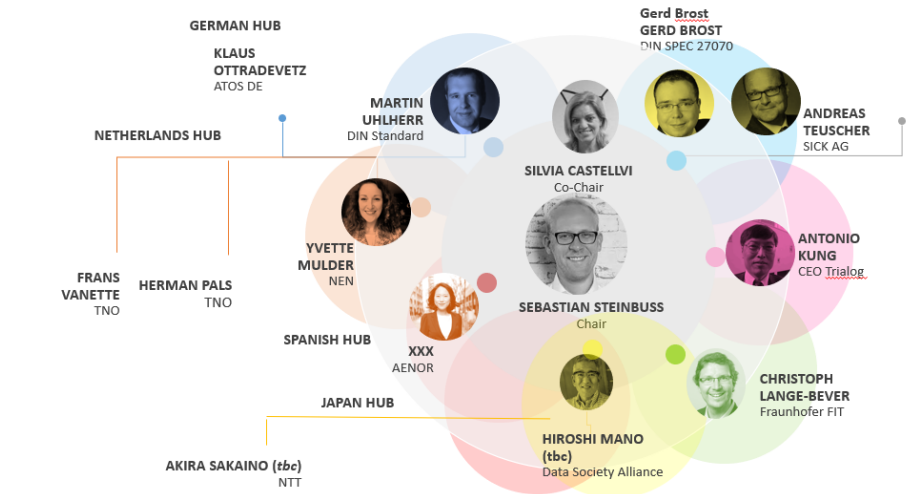


IDSA standardization activities

IDSA standardization group is a committee of standardization experts, hubs, national SDOs... that will support IDSA standardization activities and the family of data spaces standards, in general.

Objectives:

1. Contribute to the standardization promotion and pre-standardization activities
2. Align all standardization workstreams, projects and initiatives
3. Influence on standardization committees.
4. Organize standardization workshops



Standardization

Way forward



- [DIN SPEC 27070](#) published in December 2019 by DIN
- English version available
- Start Fast Track program to ISO Standard
- Preferred: ISO/IEC JTC1/SC27 □ ISO/IEC 27070 (number may change)
- The Content of the DIN SPEC shall not be changed. We need acceptance by the majority of the members of the Working Group. [We have to address this at our international members and liaisons](#)
- Next Steps: Additional standardization activities with regards to data spaces



Standardization



TRUSTS IDSA – W3C workshop on semantic interoperability



 **TRUSTS**
Trusted Secure Data
Sharing Space

Workshop: Data Spaces & Semantic Interoperability
**Requirements, standards, certification,
tools, licenses and more**

3rd of June 2022, 9 am – 4:30 pm CEST | Vienna, Austria

 **W3C** WORLD WIDE WEB
consortium

in cooperation with

 **WU**
WIRTSCHAFTS
UNIVERSITÄT
WIEN VIENNA

 **TRUSTS**
Trusted Secure Data
Sharing Space

 **ERCIM**

 **INTERNATIONAL DATA
SPACES ASSOCIATION**

 **Fraunhofer**
FIT

 **SEMANTIC WEB COMPANY**

 **DIO**

PARTICIPATE IN THE OPEN DEI BUILDING BLOCKS SURVEY

Contribute to the success of OPEN DEI in designing the future of data spaces



Objective

To evaluate building blocks of data spaces and work on the harmonization of data spaces.

How to participate?

Fill out a [form](#) to share your thoughts and experiences us.

This information will be shared and commented within experts in three workshops.



Workshops

- Kickoff meeting: 30th June, 14:00 - 15:00 (GMT+2)
- BB assessment
 - 1st meeting: 21st July 14:00 - 15:30 (GMT+2)
 - 2nd meeting: 1st September 14:00 - 15:30 (GMT+2)
- OPEN DEI TF1-IT2 Webinar: 16th September

The **final results** extracted from the meetings will be published under the **IDSA's Github page**.

The logo for IoT Week, featuring the letters 'IoT' in a stylized font with a blue-to-orange gradient, followed by the word 'Week' in white.

IoT Week

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Thank you!

Find more:

www.internationaldataspaces.org

M13 IoT Week exhibition

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iotweek.org