

IFC Satellite Seminar on "Post-crisis data landscape: micro data for the macro world", co-organised with the Central Bank of Malaysia and the European Central Bank

16 August 2019, Kuala Lumpur, Malaysia

## Best practice recommendations on facilitating access to microdata: outcomes from the INEXDA working group on data access<sup>1</sup>

Stefan Bender,  
Deutsche Bundesbank

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<sup>1</sup> This presentation was prepared for the meeting. The views expressed are those of the author and do not necessarily reflect the views of the BIS, the IFC or the central banks and other institutions represented at the meeting.



**Best practise recommendations on  
facilitating access to microdata:  
Outcomes from the INEXDA working  
group on data access**

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**IFC-BNM-ECB Satellite Seminar on  
"Post-crisis data landscape: micro data for the macro world"**  
August 2019

## Motivation

- **Aggregate datasets** are important for **monitoring macroeconomic developments** and **macroeconomic policy**
- **Granular data** is necessary to understand **global developments** and in particular **differences across countries**
- Combining datasets and looking beyond aggregate statistics into heterogeneous developments require the **transformation** of **“data”** into **“knowledge”**
- **Local constraints** make it difficult, or often impossible, to link micro datasets from different jurisdictions, even for research and financial stability analysis
- **Better accessibility** and **sharing of granular data** would open up **new possibilities** for analysis by providing new **insights into the effect of policies**



What can **we do** from the **statistical side** to support this process?

# INEXDA: The Granular Data Network

On 6th January 2017,



BANK OF ENGLAND



BANCO DE PORTUGAL  
EUROSISTEMA



have launched the **I**nternational **N**etwork of **E**xchanging Experiences on Statistical Handling of Granular **D**ata (INEXDA), an international cooperative project to declare their willingness to further strengthen their cooperation.

Since its foundation, the following institutions have joined INEXDA as members:



BANCO  
CENTRAL  
DE CHILE



## Chronology of past INEXDA meetings



### 1<sup>st</sup> INEXDA meeting in Lisbon

- INEXDA members (DE, FR, IT, PT, UK)
- *Guests:* BIS



### 2<sup>nd</sup> INEXDA meeting in London

- INEXDA members
- *Guests:* BIS, ECB, ES



### 3<sup>rd</sup> INEXDA meeting in Paris

- INEXDA members (+ECB, ES)
- *Guests:* AT, BIS, CL, MX, TR, UK (NSI)



### 4<sup>th</sup> INEXDA meeting in Basel

- INEXDA members (+CL, TR)
- *Guests:* AT, CH, BIS, DE (NSI), Eurostat, MX, RU, UK (NSI)



### 5<sup>th</sup> INEXDA meeting in Frankfurt

- INEXDA members (+Eurostat, Russia)
- *Guests:* AT, BIS, DE (NSI), FR (NSI), GR, NO (NSI), UK (NSI)

Jan 2017

Jul 2017

Jan 2018

Aug 2018

Apr 2019



**Memorandum of Understanding**  
Signing and publication



**INEXDA Metadata Tool**  
by GESIS

### Working groups

1. Dissemination
2. **Metadata**
3. **ADRF**
4. Modes of accreditation
5. Contracts for research projects/bodies
6. Modes of data provision
7. Output control
8. Risk management for published results

### Data Access



### Workshop on Data Access



## Working Group on data access

### 1 INEXDA workshop on data access procedures

- Serve as a kick-off event for the INEXDA work stream on data access
- Utilise current momentum to improve data access procedures for data producers and researchers.

### 2 Define common access procedures

- Identify similar workflows used by data providers.
- From there define a standard
- Need to be in compliance with internal data policies and external government regulations.

### 3 Development of open software solution

- Set of common access procedures will define software requirements
- Needs to be flexible enough to accommodate different legal frameworks

## INEXDA Workshop on access procedures *(April 2019)*

### 1 **Data discovery:** providing information on where to find the data

- Ivana Ilijasic Versic, Consortium of European Social Science Data Archives (CESSDA)
- Ines Drefs, GO FAIR
- Hendrik Doll, Deutsche Bundesbank

### 2 **Data access centres:** how to grant access to the data: nationally and internationally

- Paulo Guimarães, Banco de Portugal
- Kamel Gadouche, Centre d'accès sécurisé aux données (CASD)
- Beate Lichtwardt, UK Data Archiv (UKDA)

### 3 **Alternative access models for multi-source data**

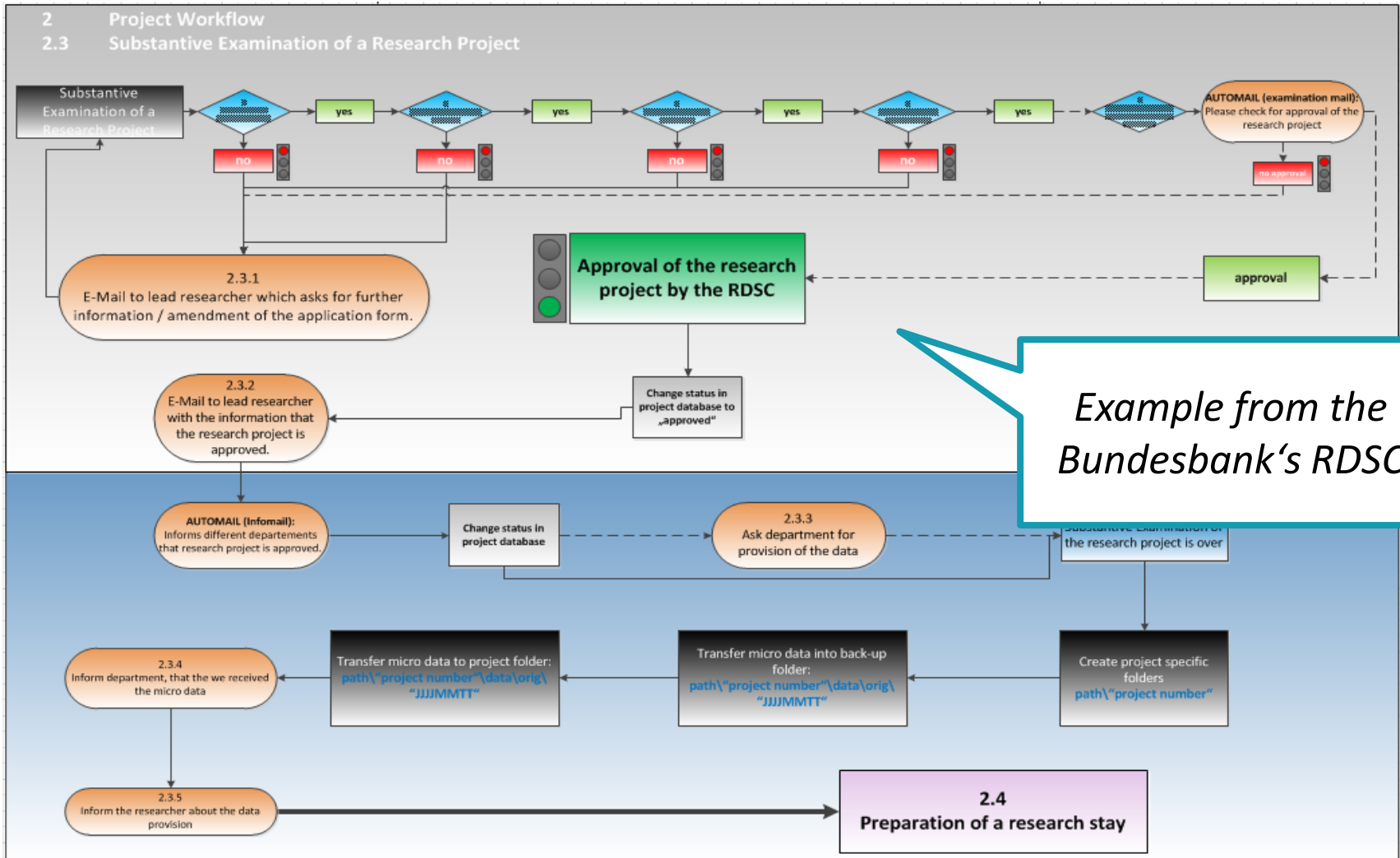
- Marina Randriamisaina, Banque de France
- Fabio Ricciato, Eurostat
- Johan Heldal, Statistik Sentralbyra (SSB)

### 4 **International Initiatives on micro data sharing**

- Emily Witt, European Central Bank (ECB)
- Roxane Silberman, International Data Access Network (IDAN)
- Claus Goran Hjelm, Nordic Microdata Access Network (NordMAN)



## Status quo: Very complex to standardise multiple workflows

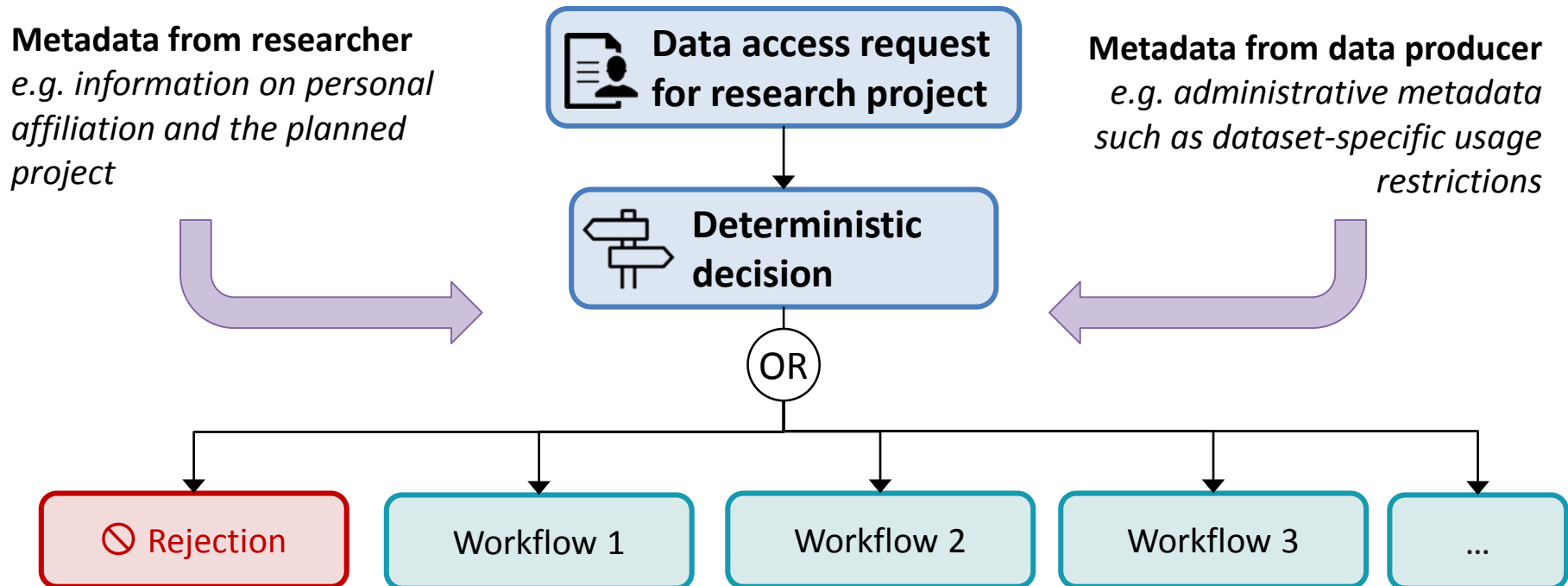






## *Ideal state:* Automation of decisions in workflows

- ✓ **Metadata** describes how data can be managed and used from a legal, organisational or technical point of view
- ✓ **Workflows follow deterministically** from such administrative dataset metadata



# Conclusion

- INEXDA provides a platform for exchanging experiences on statistical handling of granular data for central banks, national statistical institutes and international organizations.
- INEXDA supports the G20 process, especially the Data Gaps Initiative 2 recommendation aiming to promote the exchange of (granular) data as well as metadata.
- Focus of the INEXDA Data Access Working Group is to define common access procedures and use these for the development of an open software solution.

# Next steps

- |                           |  |
|---------------------------|--|
| <i>End of August 2019</i> | Collection of feedback on proposed new metadata items  |
| <i>September 2019</i>     | Meeting of the INEXDA Data Access Working Group  |
| <i>End of 2019</i>        | Proof of concept for open source data stewardship module software in collaboration with NYU's ADRF |



**Thank you for your  
attention!**