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International Network for Exchanging Experience on Statistical Handling of Granular Data (INEXDA).

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International Network for Exchanging Experience on Statistical Handling of Granular Data (INEXDA).

Abstract
The financial crisis of 2007/08 has highlighted the need for using granular data on financial institutions and markets to detect risks and imbalances in the financial sector. Administrative data producers are witnessing a growing need to improve granular data access and sharing. When sharing granular data, data producers face significant legal and technical challenges related to, among others, safeguarding statistical confidentiality.

To meet the demand of data users and data compilers for (granular) data sharing, the International Network for Exchanging Experience on Statistical Handling of Granular Data (INEXDA) was established on 6 January 2017. Current INEXDA members are the Banco de España, Banca d’Italia, the Banco de Portugal, the Bank of England, the Banque de France, the Deutsche Bundesbank, and the European Central Bank.

INEXDA provides a platform for administrative data producers to exchange practical experiences on the accessibility of granular data, on metadata as well as on techniques for statistical analysis and data protection. During the INEXDA meeting in Paris, Julia Lane has presented the Administrative Data Research Facility (ADRF). Following her presentation several INEXDA members expressed interest in obtaining more information about the approach taken by ADRF. This presentation describes the interaction between INEXDA and ADRF.

The views expressed here are those of the author and do not necessarily reflect those of the Deutsche Bundesbank, ADRF, or the INEXDA Network.

Comments
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IFC working paper on INEXDA https://www.bis.org/ifc/publ/ifcwork18.htm
• On 6th January 2017, have launched the International Network of Exchanging Experiences on Statistical Handling of Granular Data (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:
INEXDA`s general mission

• INEXDA aims at
  • investigating possibilities to harmonise access procedures and metadata structures,

  • developing comparable structures of existing data and,

  • further fostering efficiency of statistical work with granular data.

− Ultimately: in line with G20 Data Gaps Initiative, INEXDA aims to facilitate use of granular data for analytical, research and comparative purposes by users within and outside the participating institutions, within the limits set by the applicable confidentiality regimes.

• INEXDA is an open network. It encourages other central banks, national statistical institutes and international organisations to join the network.
Work programme for the first two years

1. **Comprehensive inventory of data in all member institutions.**
   - Agreement on unified metadata schema.
   - Setup of a platform to collect and exchange metadata.
     - Start harmonising metadata across INEXDA member countries.

2. **Inventory of existing data access procedures and registration processes for researchers.**
   - ECB pilot collection of information on access for researchers.
   - ADRF for INEXDA proposed by Prof. Julia Lane (NYU).
     - Workshop on data access in Q1 2019.

3. **Dissemination of INEXDA results.**
   - Presentations at conferences
   - Working papers
     - Webpage

Christian Hirsch, Research Data and Service Centre, Deutsche Bundesbank
06.12.18
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INEXDA’s Metadata Schema

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<td>Resource Identifier</td>
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<tr>
<td>3</td>
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<td>4</td>
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- Based on the GESIS DOI registration service da|ra (GESIS is cooperating with DataCite). [https://www.da-ra.de/en/home](https://www.da-ra.de/en/home)

- Purpose is to foster harmonisation between INEXDA members and broaden metadata sharing within INEXDA and possibly outside.

- Name of metadata items closely follows da|ra conventions to enable seamless DOI registration, if desired later in the project.

- Is basis for INEXDA metadata database that was established to store and view metadata from INEXDA members.
• Current the 42 contributions to the database come from

<table>
<thead>
<tr>
<th>Institution</th>
<th>Contributions</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Banco de Espana</td>
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<td>Bundesbank</td>
<td>15</td>
</tr>
<tr>
<td>ECB</td>
<td>6</td>
</tr>
</tbody>
</table>

• Working paper on metadata schema will be published on IFC webpage (https://www.bis.org/ifc/index.htm)
1. Comprehensive inventory of data in all member institutions.
   - Agreement on unified metadata schema.
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3. Dissemination of INEXDA results.
   - Presentations at conferences.
   - Working papers.
     - Website
Chronology of INEXDA meetings

1st INEXDA meeting in Lisbon
- INEXDA members (DE, FR, IT, PT, UK)
- Guests: BIS

Jan 2017

2nd INEXDA meeting in London
- INEXDA members (DE, FR, IT, PT, UK)
- Guests: BIS, ECB, ES

Jul 2017

3rd INEXDA meeting in Paris
- INEXDA members (+ECB, ES)
- Guests: AT, BIS, CL, MX, TR, UK (NSI)

Jan 2018

4th INEXDA meeting in Basel
- INEXDA members (+CL, ECB, ES, TR)
- Guests: AT, CH, BIS, DE (NSI), Eurostat, MX, RU, UK (NSI)

Aug 2018

INEXDA
The Granular Data Network

Memorandum of Understanding
Signing and publication

INEXDA Metadata Tool
by GESIS

da|ra

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
Thank you for your attention!

Contact: Inexda.secretary@bundesbank.de