Austrian Micro Data Center (AMDC)

A new service for research access to administrative data

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CESS
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www.statistik.at

Independent statistics for evidence-based decision making

STATISTIK AUSTRIA
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Roadmap to the AMDC

2004: E-Government law defines unique identifier for individuals

2010: „Stammzahlenregisterbehörden-VO"

2011: First register-based census of Statistics Austria

2018: „Forschungsorganisationsgesetz FOG"

2018-2020: Intense lobbying by the scientific community (e.g. „Plattform Registerforschung")

2020: AMDC in government program

2021: Preparation of amendments of the relevant legal acts. Federal Statistics Act und FOG (legal norms, stakeholder, data protection experts)

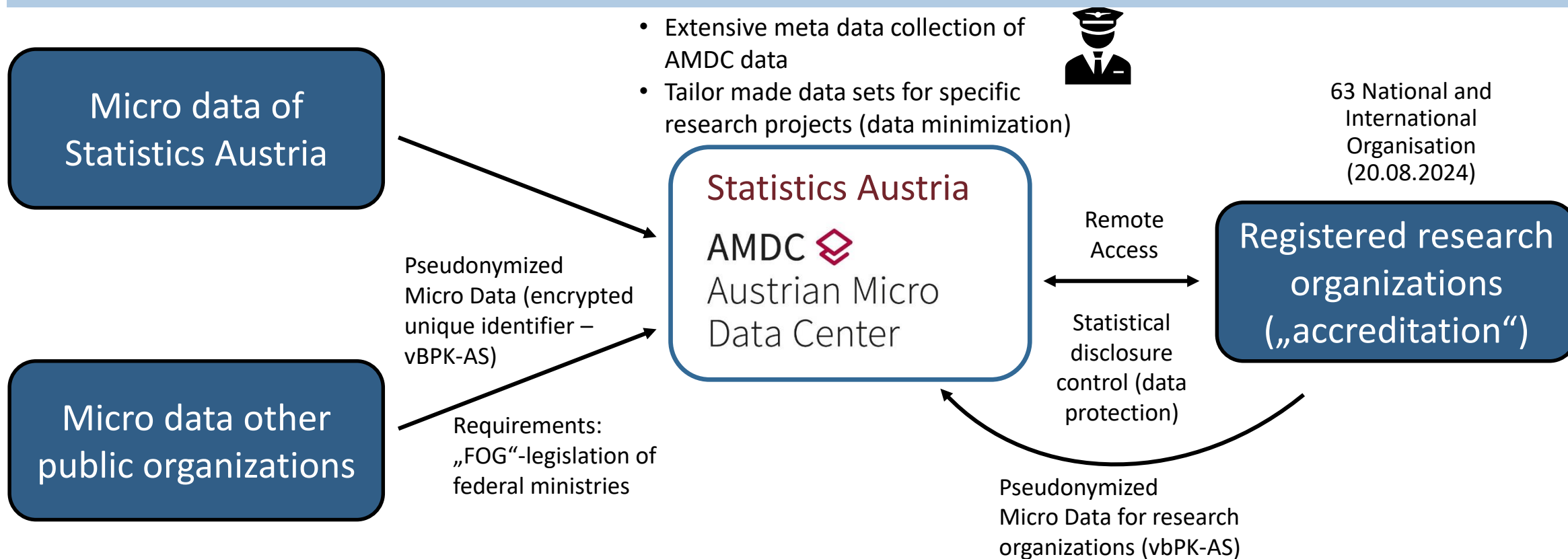**19.11.2021:** Parliament concludes new legislation (Federal Statistics Act, FOG)

01.01.2022: Federal Statistics Act & FOG in force

01.07.2022: AMDC goes live

AMDC
Austrian Micro
Data Center

AMDC
Remote-Access to micro data for research (One-Stop-Shop)

Start:	1. July 2022
Inspired by:	CBS Centraal Bureau voor de Statistiek (NL), Statistics Denmark (DK) among others.
Data sets (20.08.2024):	116 data sets (e.g. Employment, Integrated income and payroll tax statistics, Micro Census)
Funding:	505.000 Euros p.a. by Federal Ministry of Research and Education (BMBWF) (fixed costs) **plus** revenues from research organizations (variable costs)

- Extensive meta data collection of AMDC data
- Tailor made data sets for specific research projects (data minimization)

Micro data of Statistics Austria

Micro data other public organizations

Pseudonymized Micro Data (encrypted unique identifier – vBPK-AS)

Requirements: „FOG"-legislation of federal ministries

Statistics Austria
AMDC
Austrian Micro Data Center

63 National and International Organisation (20.08.2024)

Registered research organizations („accreditation")

Remote Access

Statistical disclosure control (data protection)

Pseudonymized Micro Data for research organizations (vbPK-AS)

AMDC key figures (I)
Overview

Registered Organisation (Accreditation)	64
§ 31 Abs. 8 Federal Statistics Law 2000	36
Other scientific ogansiation (incl. 15 foreign – more pending)	28
Available micro data	**116**
Statistics Austria	113
Federal Administration (§ 38b FOG regulation)	3
Submitted project proposals	**108**
Current projects	40
Other pending project proposals	60
Completed	8
Users	**110**
Active	75
Former / Inactive	35

- Geneva Graduate Institute of International & Development Studies
- Göteborgs Universitet
- Hochschule für Wirtschaft und Recht Berlin
- ifo Institut - Leibniz-Institut für Wirtschaftsforschung an der Universität München e.V.
- Katholieke Universiteit te Leuven
- Leibniz-Institut für Wirtschaftsforschung Halle
- Okinawa Institute of Science and Technology Graduate University
- Skills and Employability Division, Organization for Economic Cooperation and Development (OECD)
- Università Luigi Bocconi
- Universität Freiburg
- Universität Zürich
- University of Helsinki
- Univesidad Nacional de Educación a Distancia
- Vrije Universiteit Amsterdam
- Walter Eucken Institut

Federal Ministry of Education, Science and Research (BMBWF), for Climate Action and Energy (BMK) in preparation

AMDC key figures (II)
Details on current and finished projects

Projects by disciplines (sub-fields) of science

Sub-fields	In Preparation	Running	Finished	Total
Economics and business	0	23	4	27
Medicine and Health	1	5	3	9
Sociology	0	6	1	7
Social and economic geography	0	2	0	2
Other social sciences	1	2	0	3
Political Science	1	0	0	1
Environmental technology	0	1	0	1
Civil engineering	0	1	0	1
Total	3	40	8	51

AMDC key figures (III)
Current projects (non-exhaustive)

AMDC research projects	Research organization
The 'Creative Response' to Covid-19: Digitalization, Restructuring and the Crisis	Austrian Institute of Technology (AIT), B. Dachs
Parental Leave and Career Trajectories of Men and Women in Austria	Central European University (CEU), A. Kügler
The impact of firm internationalization on female career opportunities	Austrian Institute for Economic Research (WIFO), B. Meyer
Micro segregation in founders' period buildings ('Gründerzeitstadt') in Vienna's 6th and 7th districts in 2011 and 2021	Austrian Academy of Sciences (ÖAW), R. Musil
The Role of New Technologies for Productivity and Performance: an international comparison	Universiteit Amsterdam, A. Mattioli
Microcensus plus couple trajectories from register data (MC_COUPREG)	University of Vienna, N. Steiber
People-Centered Economic Modelling for Climate Policy	Vienna University of Economics & Business, J. Crespo Cuaresma

Access to micro data for evidence-based policy making

Research at the Austrian Micro Data Center
Formal requirements

1. Register the research organization at AMDC (accreditation)
2. Research proposal – choose micro data from our micro data catalogue: https://www.statistik.at/amdc-data/#/product
3. Formal offer & contract
4. Research phase
5. Statistical disclosure control –SDC (review potential statistical disclosure of individuals & firms)

Research for evidence-based policy making
Options

- Ministries and other governmental bodies can exempt departments from formal instructions

- Ministries may contract accredited research organizations
  - No formal notice to Statistics Austria necessary

  In both cases, the same rules are applied as for regular projects
  - ✓ Research proposal necessary
  - ✓ Data minimization
  - ✓ No fast track procedure
  - ✓ Statistical disclosure control
  - ✓ Pricing

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