

Data and Data Access at the Research Data Centre

CReAM Seminar
London, February 15th, 2017

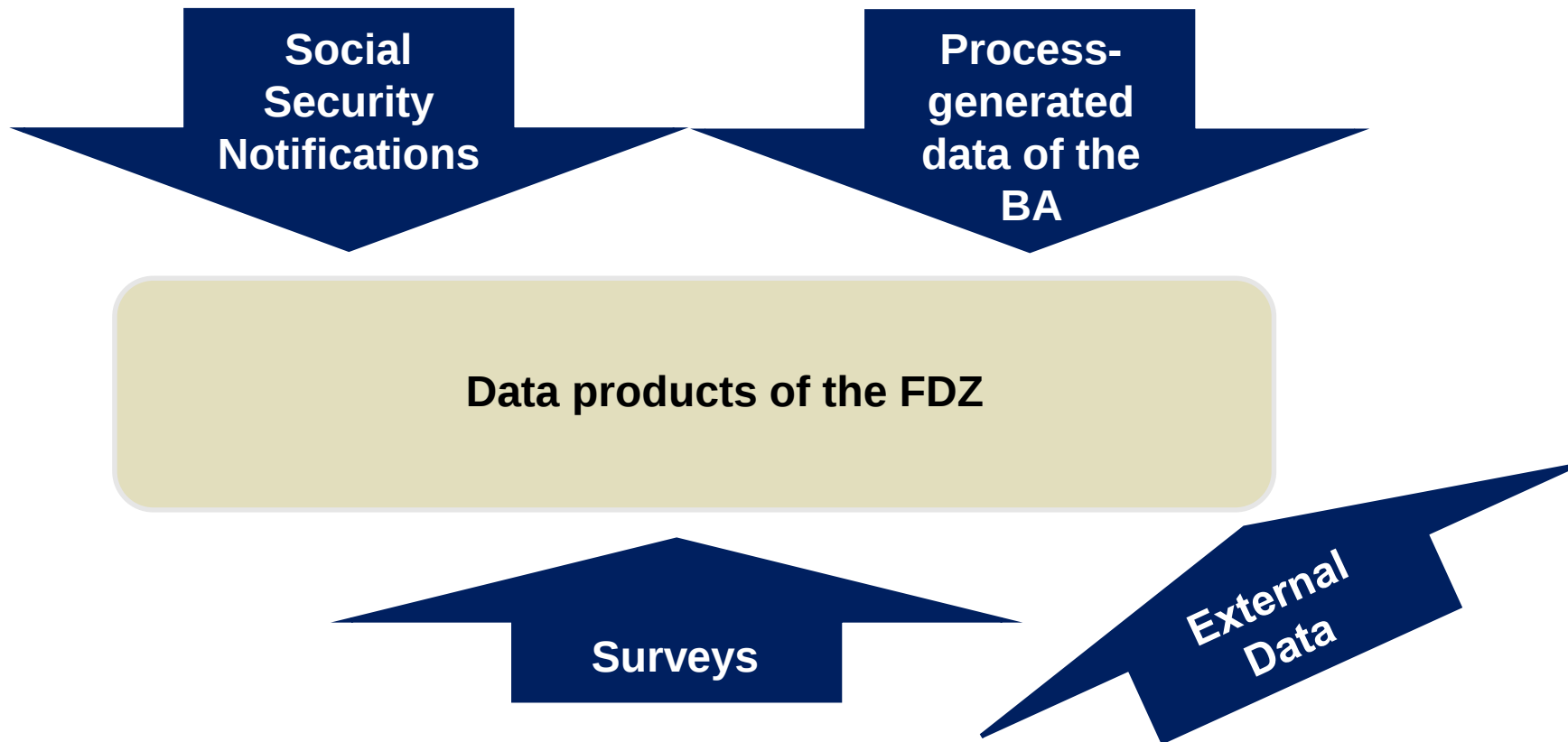
Dana Müller

- Who are we?
 - part of the Institute for Employment Research (IAB), which belongs to the Federal Employment Agency (BA)
- What do we do?
 - access to confidential micro data of BA/IAB for academic purposes
 - standardized data products
 - advice for data selection and application
 - documentation (web based metadata information platform - coming soon)
 - do research with our data
- Why do we provide data?
 - legal mandate specified in German Social Act

Data Available at FDZ

- Micro labor market data on individuals, households, and establishments

Administrative Data



1. Administrative Data Sources

Notification Procedure to the Social Security Institutions

- Purpose of data collection: calculation of social security contribution and entitlement of benefits, statistics, controlling
- Employers are required by law to notify the social security institutions on:
 - Every employee and marginal worker covered by the social security system
 - At the beginning or end of employment, employment interruption, change of health insurance, etc.
 - At least once a year

Notification Procedure to the Social Security Institutions

Meldung zur Sozialversicherung

Personalauswahl

Versicherungsnummer Personalnummer (freiwillige Angabe)

Name Vorsatz Zusatz Titel

Vorname

Straße und Hausnummer (Anschrift nur bei Anmeldung und Anschriftenänderung)

(Land) Postleitzahl Wohnort

Grund der Abgabe 10 Entgelt in Gleitzone Namensänderung ☐

Beschäftigungszeit
 von bis Betriebsnummer des Arbeitgebers Personengruppe
 Mehrfachbeschäftigung ☐ Betriebsstätte Ost ☐ West ☐

Beitragsgruppen KV RV ALV PV Angaben zur Tätigkeit Aktuelle Staatsangehörigkeit

Beitragspflichtiges Bruttoarbeitsentgelt (in DM ohne Pfennige / Euro ohne Cent) DM ☐ Euro ☐ Statuskennzeichen

Wenn keine Versicherungsnummer angegeben werden kann:
 Geburtsname Vorsatz Zusatz Geburtsort

Geburtsdatum Geschlecht männlich ☐ weiblich ☐

Name der Einzugsstelle (Geschäftsstelle)

Datum 16.11.2015

Firma

Straße

PLZ Ort

- Social Security Number
- Establishment Number
- Last Name
- First Name
- Address
- Reason for Notification
- Period of Employment
- Nationality
- School Education
- Vocational Training
- Type of Employment
- Wages
- Occupation (since 2011: new classification)
- Industry code

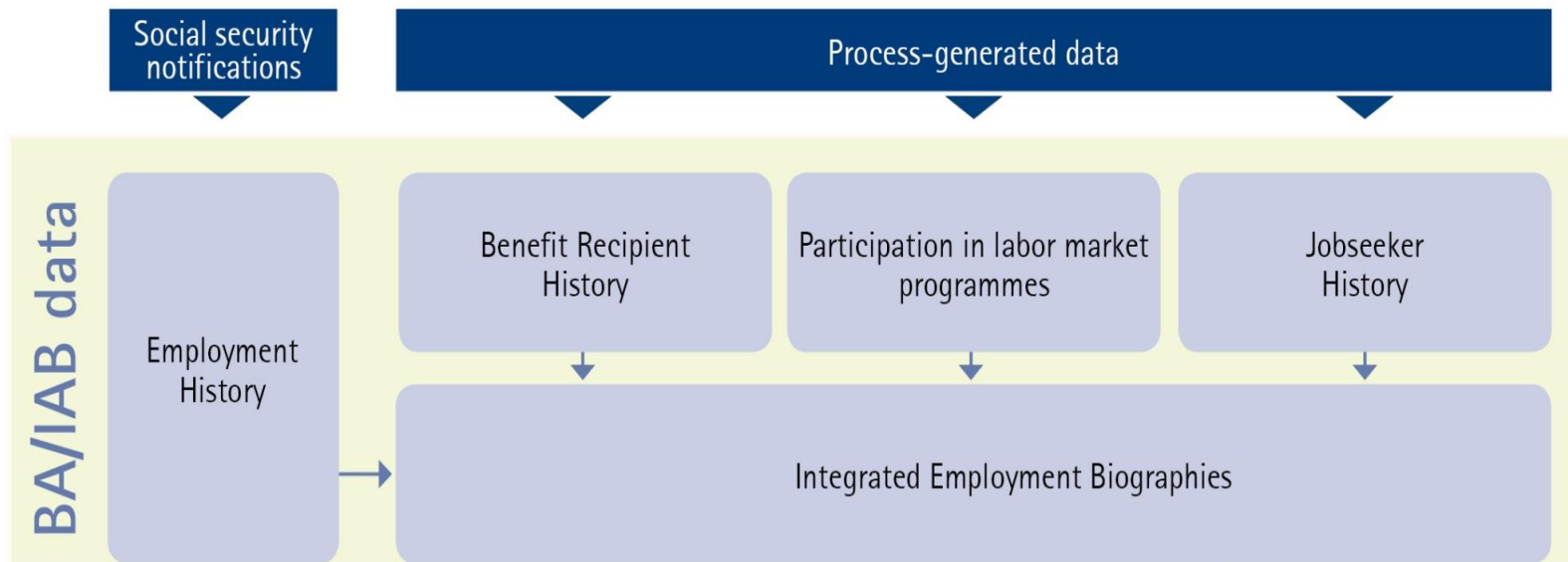
Process-Generated Data of BA

- Data from operative processes of BA:
 - Information on unemployment benefits
 - Participation in labor market programs
 - Registered job search
- Information on benefit receipt, amounts, and several other variables at the individual level
- Social security number or BA customer ID
- PRO: Highly reliable and detailed information on (un-)employment
- CONS: No information on civil servants or self-employed, no partner information, Data depends on relevance for administration



2. Administrative Research Data

Main Database – The Integrated Employment Biographies (IEB)

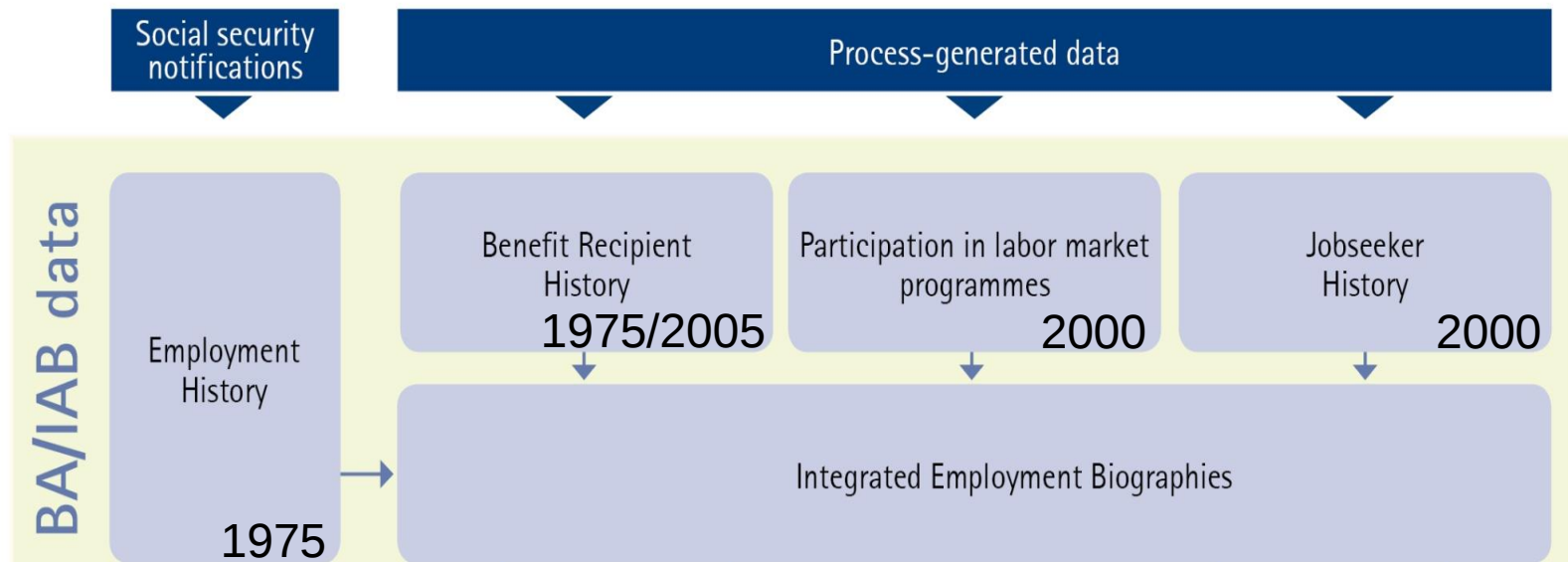


apprenticeship

exit out of labor market/ entry
into pension system



Main Database – The Integrated Employment Biographies (IEB)

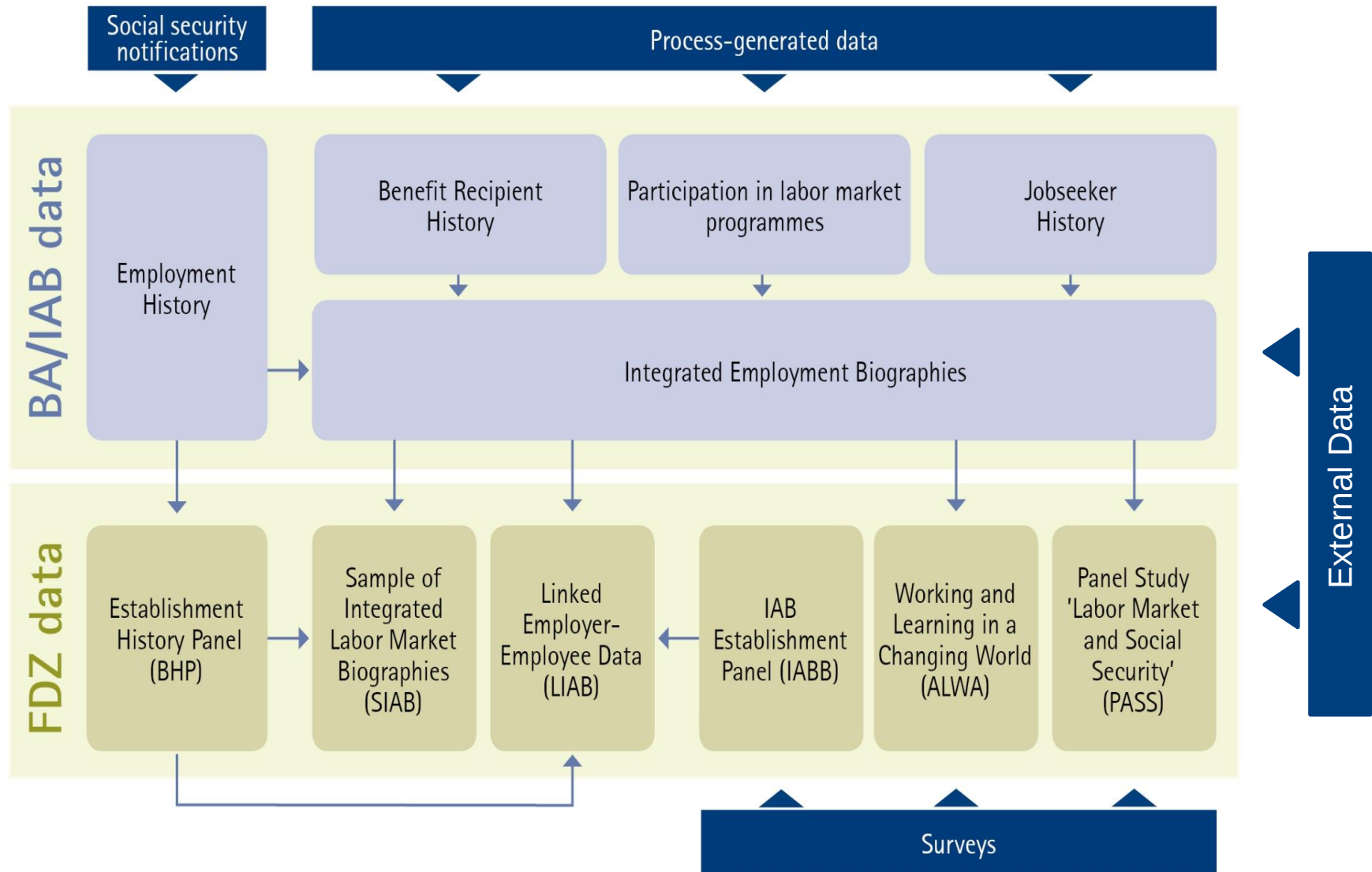


apprenticeship

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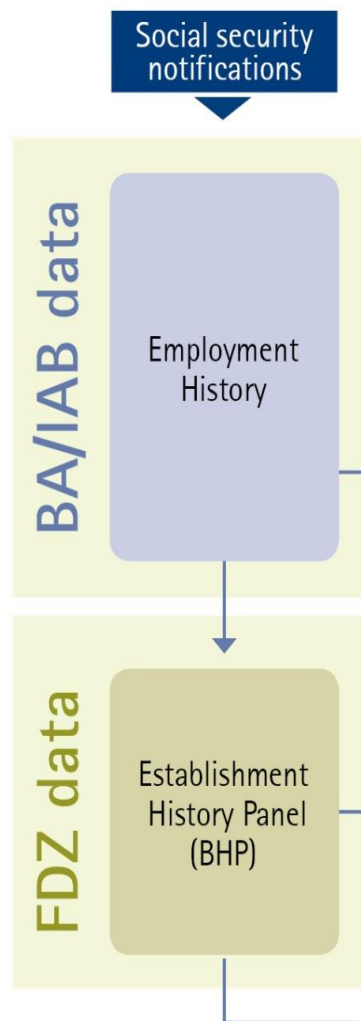


Data available at FDZ - Overview



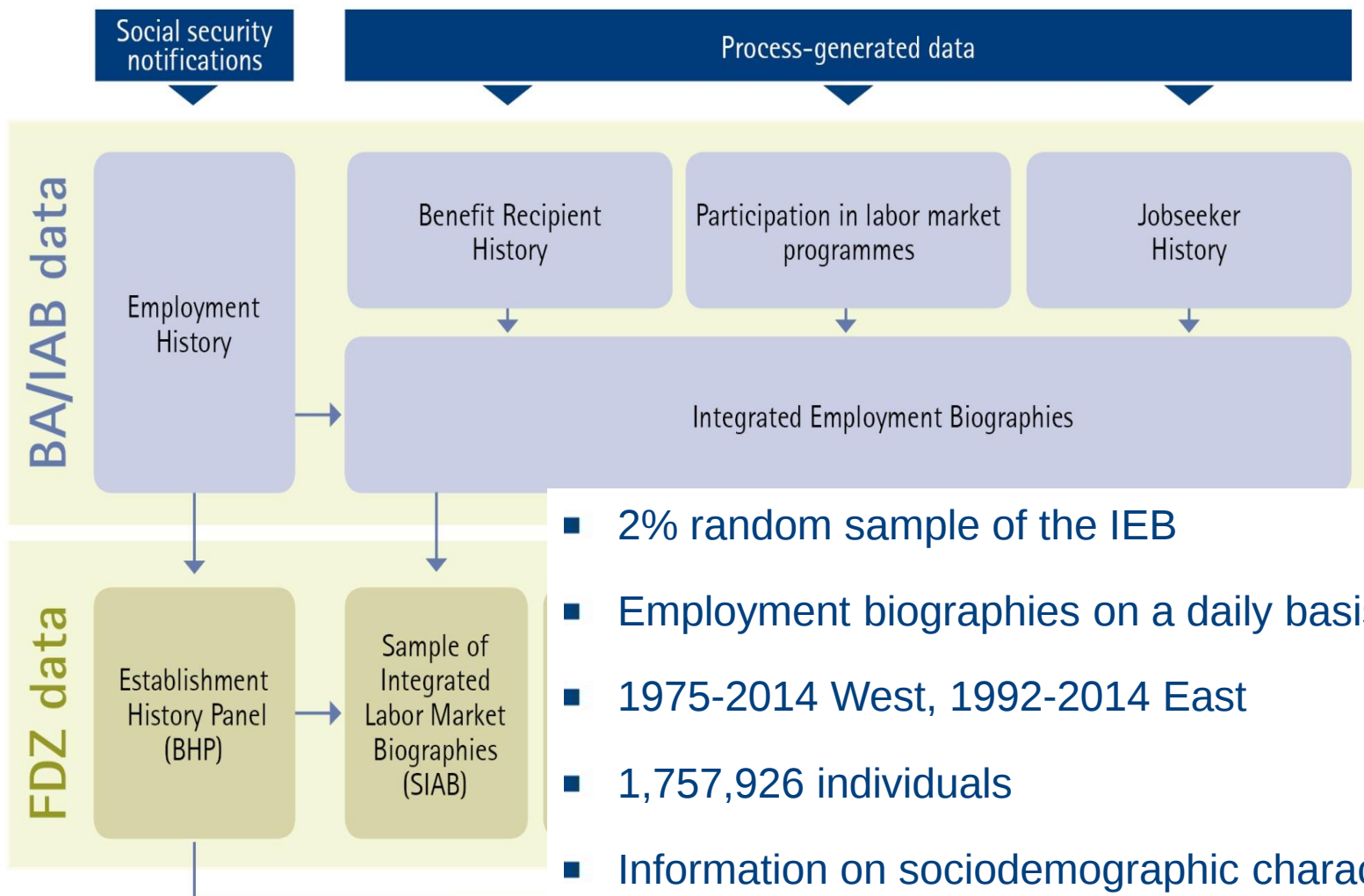
3. Data Products Available at FDZ (selection)

Establishment History Panel (BHP)



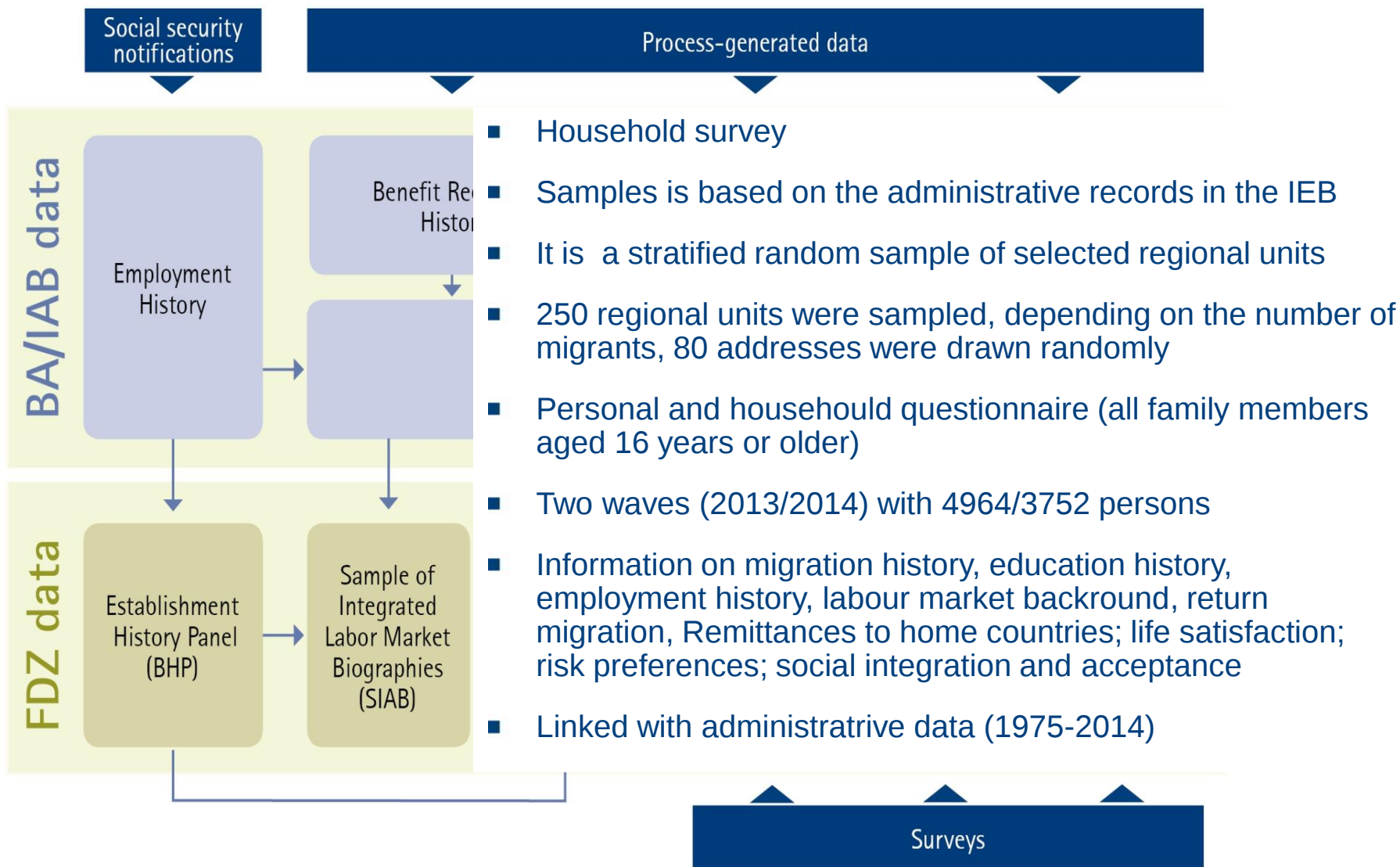
- Repeated cross sectional dataset on all establishments
- Aggregation by establishment IDs and year
- 50% random sample
- June 30
- 1975-2014 West, 1992-2014 East
- 640,000-1.5 million establishments p.a.
- Information on employment structure of the establishment, worker in- and out-flows, indicators of establishment entries and exits

Sample of Integrated Labor Market Biographies (SIAB)



- 2% random sample of the IEB
- Employment biographies on a daily basis
- 1975-2014 West, 1992-2014 East
- 1,757,926 individuals
- Information on sociodemographic characteristics, employment, benefit, job search, location, establishment

IAB-SOEP Migration Sample (IAB-SOEP MIG)

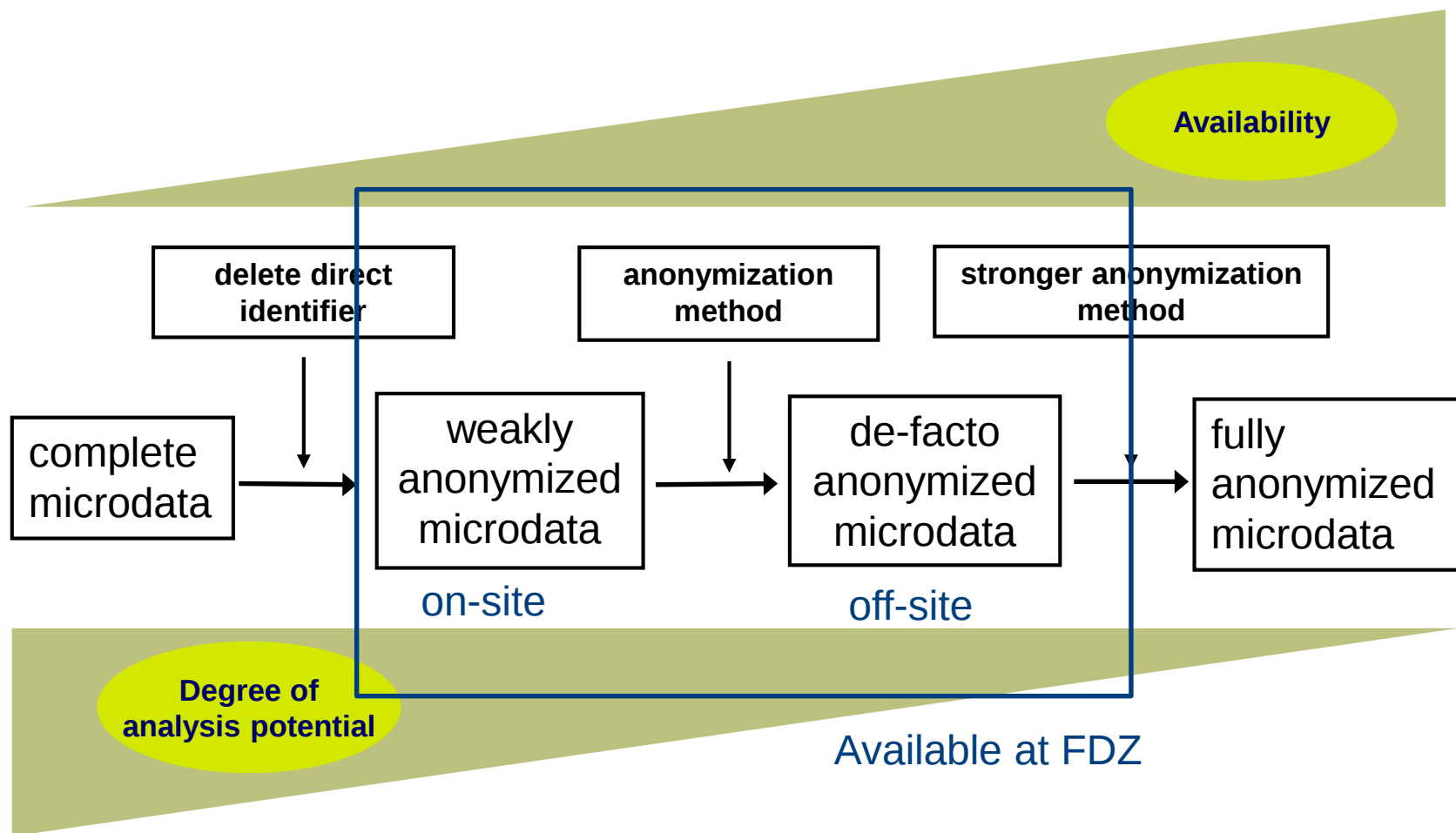


How the data look like

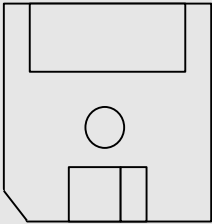
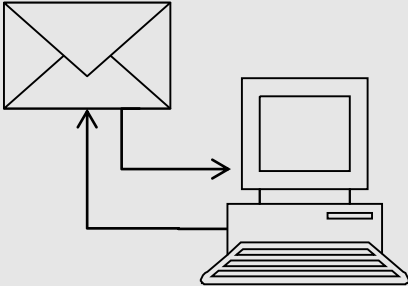
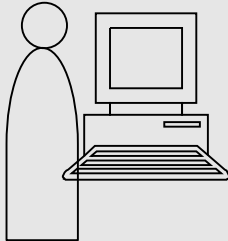
	persnr	betnr	begepi	endept	quelle	erwstat	tentgelt	beruf
200	90593346	50099846	01jan1988	31dec1988	1 BeH Employee Hi	101 Employees liabl	51.2	821 Journalist
201	90593346	50099846	01jan1989	31dec1989	1 BeH Employee Hi	101 Employees liabl	50.5	821 Journalist
202	90593346	50099846	01jan1990	31dec1990	1 BeH Employee Hi	101 Employees liabl	52.3	821 Journalist
203	90593346	50099846	01jan1991	31dec1991	1 BeH Employee Hi	101 Employees liabl	22.7	821 Journalist
204	90593346	50099846	01jan1992	31dec1992	1 BeH Employee Hi	101 Employees liabl	76.1	821 Journalist
205	90593346	50099846	01jan1993	31dec1993	1 BeH Employee Hi	101 Employees liabl	118.8	821 Journalist
206	90593346	50099846	01jan1994	31dec1994	1 BeH Employee Hi	101 Employees liabl	127.8	821 Journalist
207	90593346	50099846	01jan1995	31dec1995	1 BeH Employee Hi	101 Employees liabl	76.0	821 Journalist
208	90593346	.n n/a	01jan1996	16jan1998	2 LEH Benefit Rec	1 ALG Unemployment	16.3	.n n/a
209	90593346	.n n/a	01jan1996	16jan1998	7 ASU Job-Search	33 Not unemployed,	.n n/a	.z no entry
210	90593346	.n n/a	17jan1998	05jul1998	7 ASU Job-Search	33 Not unemployed,	.n n/a	.z no entry
211	90593346	.n n/a	06jul1998	13aug1998	7 ASU Job-Search	31 Unemployed (impl	.n n/a	.z no entry
212	90593346	.n n/a	14aug1998	12nov1998	2 LEH Benefit Rec	1 ALG Unemployment	44.1	.n n/a
213	90593346	.n n/a	14aug1998	12nov1998	7 ASU Job-Search	31 Unemployed (impl	.n n/a	.z no entry
214	90593346	.n n/a	13nov1998	26nov1998	2 LEH Benefit Rec	1 ALG Unemployment	37.2	.n n/a
215	90593346	.n n/a	13nov1998	26nov1998	7 ASU Job-Search	33 Not unemployed,	.n n/a	.z no entry
216	90593346	.n n/a	27nov1998	21dec1998	2 LEH Benefit Rec	1 ALG Unemployment	28.4	.n n/a
217	90593346	.n n/a	27nov1998	21dec1998	7 ASU Job-Search	33 Not unemployed,	.n n/a	.z no entry
218	90593346	.n n/a	22dec1998	03mar1999	7 ASU Job-Search	33 Not unemployed,	.n n/a	.z no entry

4. Data Access

Data Access - Types of Data



Access Modes

Off-Site Access		On-Site Access
		
Download (Scientific Use File)	Remote Execution with JoSuA	Visit to FDZ or Remote Access Centers
De-facto anonymized data	Weakly anonymized data	

- Campus Files

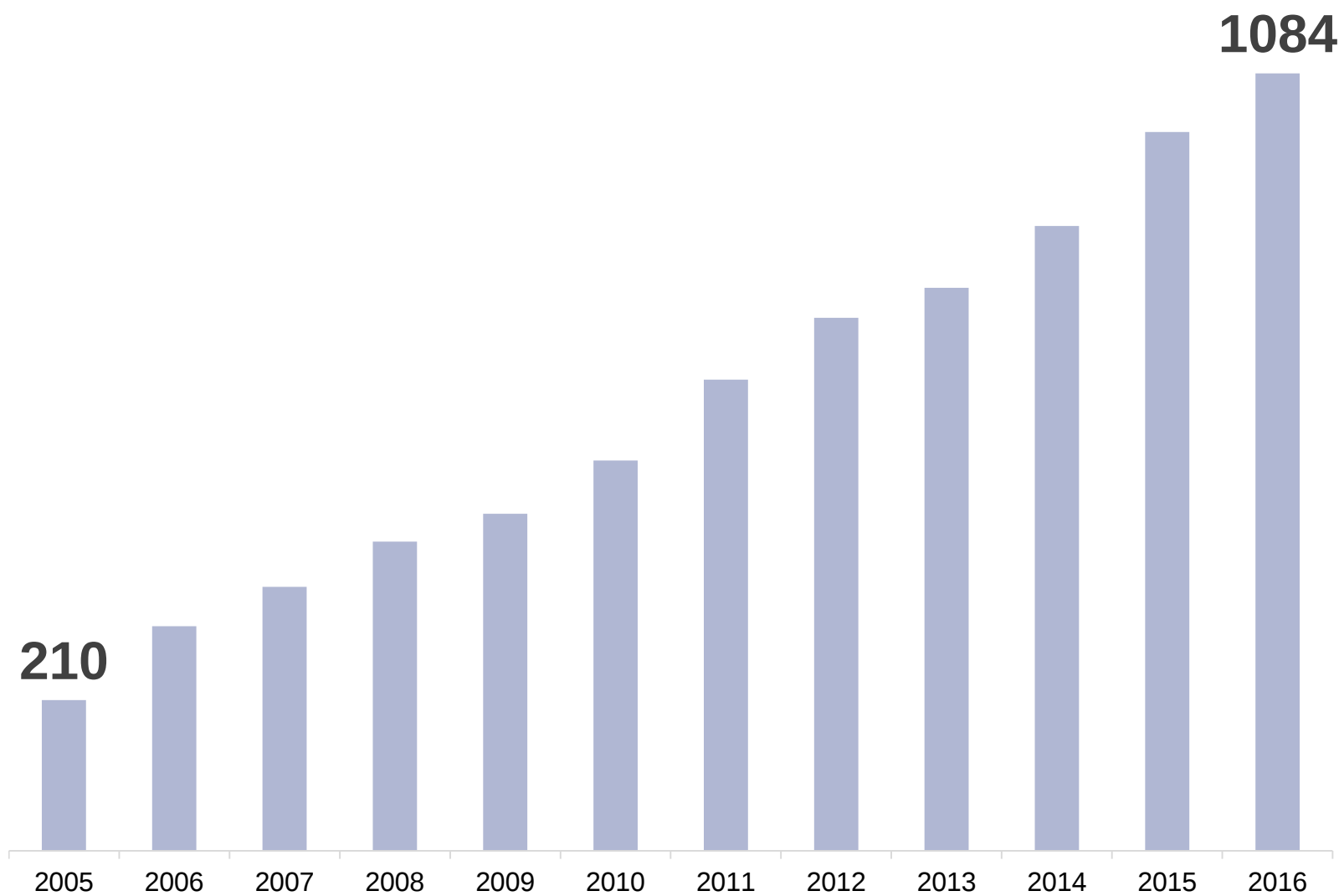
Remote Access Centers of FDZ



On-Site in London

- Non-technical application (http://doku.iab.de/fdz/access/Antrag_GA_EN.zip)
- Individual anonymized data according to Section 282 of Social Act III (Scientific Use File)
- Data use agreement
- Data access (on-site, off-site use via JoSua)
- Contact person: Maria Lambrianidou (economics.iab@ucl.ac.uk)
- Access to standard FDZ data is free of charge, no lab fees

Users



Users

- Currently about 450 projects
- More than 160 new projects each year
- Around 300 projects use JoSuA
- Users send in 600 – 900 data jobs each month
- Most of them are „internal use“, but 100 – 200 have to be checked manually
- Our goal is to send manually reviewed output back within 5 workdays

Forschungsdatenzentrum (FDZ) der Bundesagentur für Arbeit (BA) im Institut für Arbeitsmarkt- und Berufsforschung (IAB)

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