

Integrating administrative data in the Agricultural and Forestry Register

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Budapest, 2 October 2023

www.statistik.at

Independent statistics for evidence-based decision making

Agricultural and Forestry Register

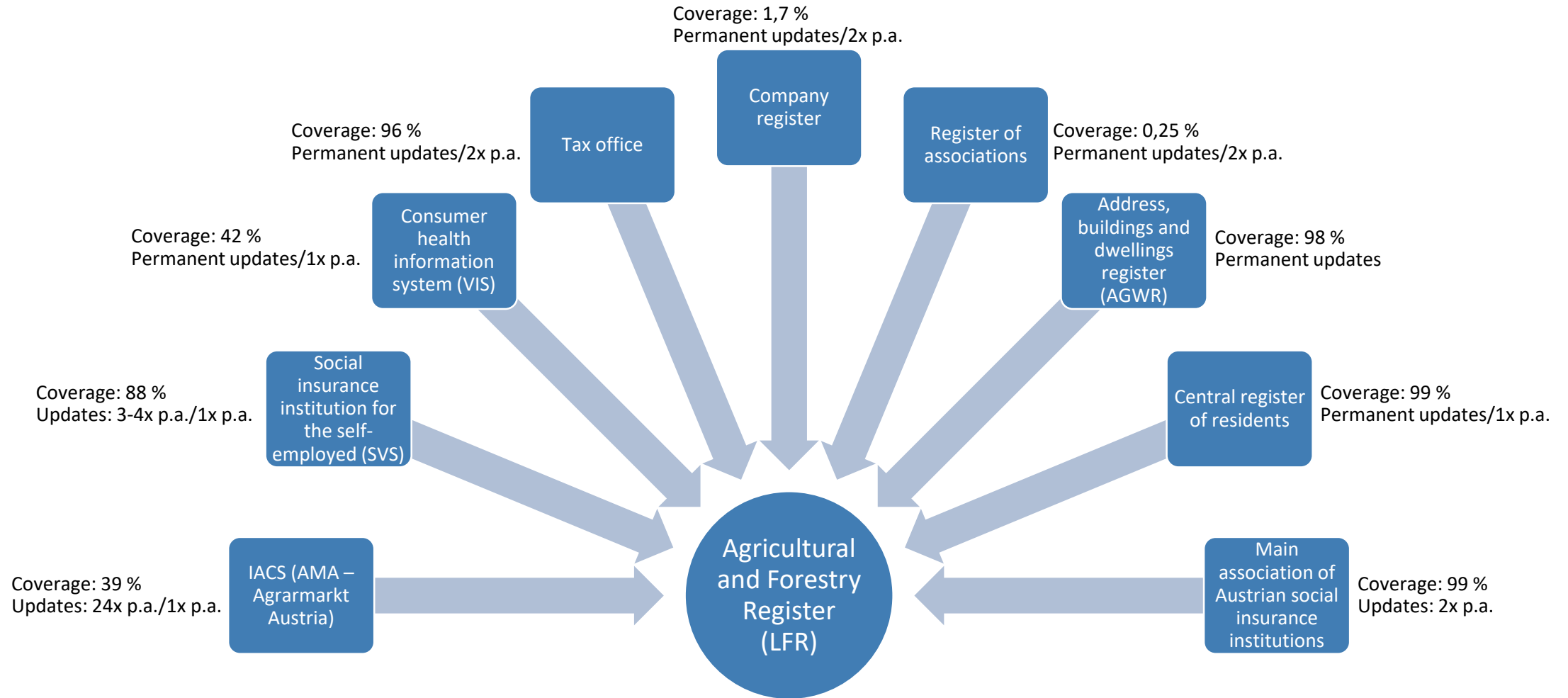
Key figures (11 September 2023)

Active legal entities	Active holding numbers	Active persons	Automated data field updates/checks (2022)
255 402	279 341	303 286	68 342 245

Large amount of data:

- > Automated updating of data required by means of administrative data sources
- > Goal: Update/check each entity for activity at least once a year

Administrative data sources



IACS data

Master data

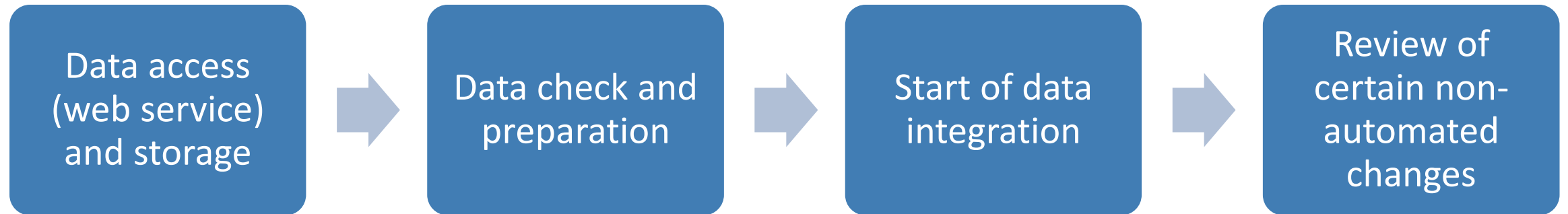
- Every two weeks
- Holding number, name, date of birth, address, contact details, etc.

Operating data

- Once a year
- Georeferenced agricultural areas and livestock

- Data transfer through web service (except agricultural areas – through cloud)
- Very comprehensive and current data
- Some negative aspects:
 - No data on forest
 - Only applicants for fundings

IACS data integration process (master data)



Section in application for starting IACS data integration



Button for bringing in the new data

Button for comparing the data and making changes in the register

IACS data view

STEFAN AKTIV

Stand zum

- 2022-03-14
- 2022-02-28
- 2019-11-13
- 2018-07-10

Archiviert per

ADRESSEN

Betrieb GemNr 704121	AMA-Betriebsadresse Str: [REDACTED] Hnr: 6	Betrieb PLZ - Ort - Land 6345 - KÖSSEN - AT
AMA-Zustell GemNr 704121	AMA-Zustelladresse Str: [REDACTED] Hnr: 6A	AMA-Zustelladresse PLZ - Ort - Land 6345 - KÖSSEN - AT

AMA - BETRIEBSDATEN

Von-Datum 14.3.2022	Bis-Datum 31.12.2999	REKZ 11000582241	LFBS [REDACTED]	Klienten-Nr	Vet-Nr
Hofname EGLACK	Art des Betriebes		Gesellschaftsform		
MFA-Betrieb Ja	Telefon [REDACTED]	FAX	e-Mail [REDACTED]		

AMA - TIERDATEN

AMA - SCHLAGINFORMATION (GIS)

PERSONEN DES AMA-BETRIEBES

Nachname [REDACTED]	Vorname FRANZ	Titel		Von-Datum 10.7.2018
Aktueller Bewirtschafter N		Geschlecht M	Geburtsdatum [REDACTED]	Bis-Datum 13.11.2019

Nachname [REDACTED]	Vorname WALTRAUD	Titel		Von-Datum 10.7.2018
Aktueller Bewirtschafter J		Geschlecht W	Geburtsdatum [REDACTED]	Bis-Datum 13.11.2019

Nachname [REDACTED]	Vorname STEFAN	Titel		Von-Datum 13.11.2019
Aktueller Bewirtschafter J		Geschlecht M	Geburtsdatum [REDACTED]	Bis-Datum 31.12.2999

IACS update protocol

Eingetragen am	Kennzeichen	Type	Oberkategorie	Kategorie	Spalte A	Spalte B	Spalte C	Spalte D	CSV Rest	Status	Bearbeiter
2023-08-30 13:22:57	[REDACTED]	LBETRNR	AMA-Abgleich	Bewirtschafterwechsel	a-bewirtschafterwechsel			(8)Bewirtschafterwechsel durchführen! Rekz=11000242604 Pers not found: GERALD [REDACTED] [REDACTED] aktiv=true	RENAM: [REDACTED] ALBERT- AMA NAME: [REDACTED] GERALD;	GELOEST	AMA78
2023-08-30 13:22:57	[REDACTED]	LBETRNR	AMA-Abgleich	Bewirtschafterwechsel	a-bewirtschafterwechsel			(8)Bewirtschafterwechsel durchführen! Rekz=11000247909 Pers not found: MATTHIAS [REDACTED] [REDACTED] aktiv=true	RENAM: [REDACTED] HERMINE- AMA NAME: [REDACTED] MATTHIAS;	GELOEST	AMA78
2023-08-30 13:22:58	[REDACTED]	LBETRNR	AMA-Abgleich	Bewirtschafterwechsel	a-bewirtschafterwechsel			(8)Bewirtschafterwechsel durchführen! Rekz=11000247961 Pers not found: CLAUDIA [REDACTED] MANUEL; [REDACTED] Pers not found: MANUEL; [REDACTED] aktiv=true	RENAM: [REDACTED] WALBURGA UND PETER- AMA NAME: [REDACTED] CLAUDIA UND [REDACTED] MANUEL;	GELOEST	AMA78

Data integration 14 February 2023:



Some reasons for manual editing:

- Legal person
- Address problem
- Uncertainty which person

IACS data integration process (agricultural areas)



View of IACS agricultural areas data



- Opening directly in the application
- Different colours for types of crop
- Detailed information about plots of land
- Marked holding address
- Exact geographical localization
- Variety of different base layers
- Adjustment of transparency

Social insurance institution for the self-employed (SVS) data

Data transmission three to four times a year

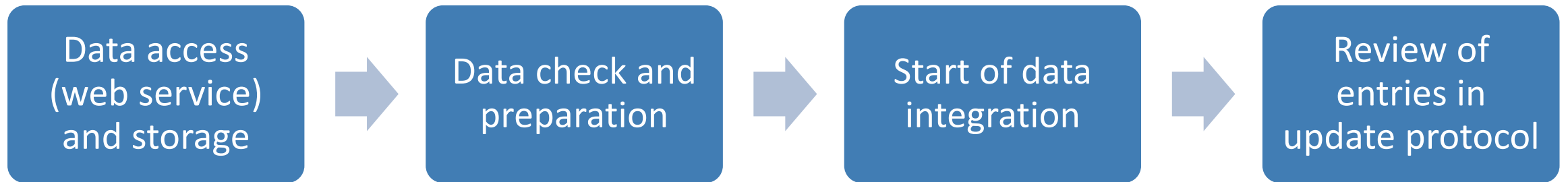
Data on agricultural and forested areas and their managers

Data transfer through web service

Very useful data including all relevant natural persons

Cons: No distinction of types of agricultural areas, missing legal persons

SVS data integration process



Section in application for starting SVS data integration



Button for bringing in the new data

Button for comparing the data and allocating the data sets to legal entities

SVS data view

SVS LAGNr [REDACTED]
STAND: 1.9.2022 (Ab 22.10.2022) AKTIV

Stand zum

- 22.10.2022
- 6.2.2021
- 31.1.2020
- 15.6.2019
- 22.10.2016

BETRIEBSADRESSE

GemNr: 70417 PLZ: 6393 Anschrift 1: [REDACTED] 12/2 Anschrift 2: St. Ulrich am Pillersee

SVS - BETRIEBSDATEN

LAG-Nummer: [REDACTED] Landesstelle: Tirol Art des Betriebes: nicht definierter Betrieb Betriebsführung: alleinige Betriebsführung Personengesellschaft: keine Personenges. /nat. Person

Von-Datum: 1.8.2011 Bis-Datum: 31.12.2999 Stand zum: 1.9.2022 EHW Eigentum: 16.401,76 € EHW Pacht: 2.954,39 € Fläche: 623.700 (62.37 ha)

▶ HAUPTFLÄCHENPOSITIONEN (STAND 1.1.2023)

▶ HAUPTFLÄCHENPOSITIONEN (STAND 1.1.2020)

LFR ZUORDNUNG

REKZ	Name der Rechtlichen Einheit	Quelle	Status	Von	Bis
11000478292	[REDACTED] Sebastian	220230718	Aktiv	16.1.2014	31.12.2999

UNTERNEHMER DES BETRIEBES

Name: [REDACTED] Sebastian Titel: Gruppe jur.Pers.: keine jur.Person und Eigentümer

Pflichtversichert: Pflichtversicherung für Versicherungsweig Kranken- u/o Pensionsver. BSVG Familienstand: verheiratet Geschlecht: männlich Geburtsdatum: [REDACTED]

SV-Nummer: [REDACTED] Anteil: 1 Von-Datum: 15.7.2023 Bis-Datum: 31.12.2999 Stand zum: 1.7.2023 CSV: CSV

PKZ: 22000499522 Zuordnung der PKZ zu Rechtlichen Einheiten: 11000478292 (Aktiv)

SVS update protocol

Eingetragen am	Kennzeichen	Type	Oberkategorie	Kategorie	Spalte A	Spalte B	Spalte C	Spalte D	CSV Rest	Status	Bearbeiter
2023-07-18 12:15:06	11000391512	REKZ	SVS	VERMUTETE_NACHFOLGER	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	OFFEN	egal
2023-07-18 12:15:06	11000073937	REKZ	SVS	VERMUTETE_NACHFOLGER	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	OFFEN	egal
2023-07-18 12:15:06	11000424052	REKZ	SVS	VERMUTETE_NACHFOLGER	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	OFFEN	egal

Several thousand
open entries each
time

Some categories of open entries:

- Legal person
- Uncertainty regarding allocation
- New data set
- Assumed successor

Challenges regarding integration of administrative data

Data inconsistencies

Different timestamps

Time lag

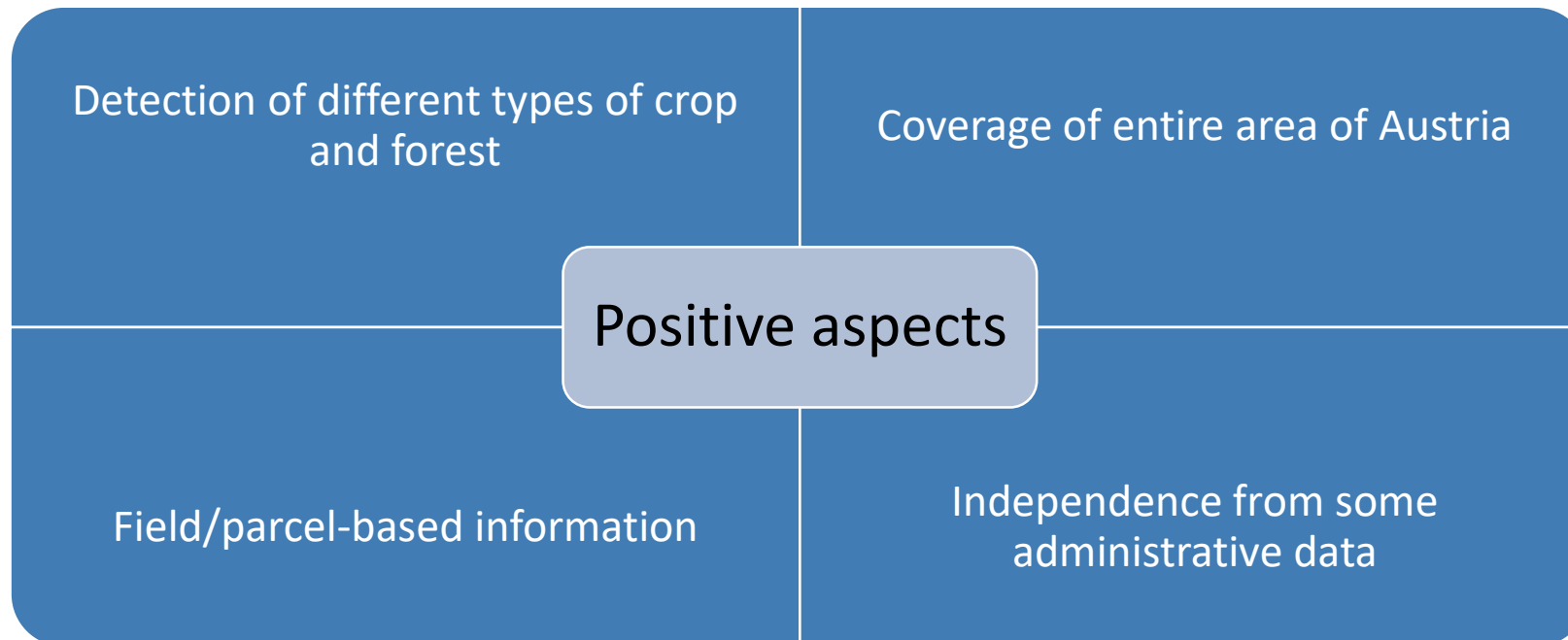
Non-use of address, buildings and dwellings register (AGWR)

Absence of specific groups and characteristics in data sources

Future outlook and possibilities

Usage of satellite images and machine learning methods

- Allocation of parcels to farmers through tax office and SVS data
- Promising test results



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Thank you for your attention!

STATISTIK AUSTRIA

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Independent statistics for evidence-based decision making

