

ORCID adoption monitoring through a national and institutional CRIS

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³ euroCRIS



The CZ national context

Source: <https://atlas.mapy.cz/>





The CZ national CRIS context

IS VaVal ... Informační systém výzkumu, vývoje a inovací
= Research, Development and Innovation
Information System of the Czech Republic

Managed by the R&D&I Council

Advisory body to the Government

Operated by the Office of the Government

Set up by Act on Public Subsidy of Research

National CRIS since 1994:

- Projects with public funding (**CEP**)
- Research outputs (**RIV**, since 1998)
- Calls for proposals (**VES**, since 2000)

DRIS record:

euroCRIS
Current Research Information Systems

Repository Digital Collections Explore by Help Sign on to:

DRIS record Research, Development and Innovation Information System of the Czech Republic

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Information

DRIS Details

Name of the CRIS Research, Development and Innovation Information System of the Czech Republic
Acronym IS VaVal

Description
IS VaVal is an information system of the Czech public administration for the collection, processing, publication and utilization of information about the research and development supported by public budgets.

The aim, content, rights, responsibilities and the way the data is provided into the Information System, the integration of the data into the Information System database, the processing of the data and the way data is made public are determined by the R&D Act (Code number 130/2002) together with the regulation of the Czech government (Code number 397/2009) about the R&D Information System, by some other rules and by the Standard operating procedure manual of the R&D Information System.

IS VaVal runs on an in-house-built software solution using MySQL, Linux, Apache and PHP.

Status Operational **Scope** National **Date of establishment** 21-06-2016
URI <https://www.isvavai.cz> **Number of users** 9068 **Annual number of DB requests** 1950530
Institution/organization Office of the Government of the Czech Republic **Contact person** Fiačanová, Jana
CRIS data supply Czech Research Organizations
CRIS data validation Department of Information Systems - Office of the Government of the Czech Republic
CRIS data output Department of Information Systems - Office of the Government of the Czech Republic
ICT Support for the CRIS
Department of Information Systems - Office of the Government of the Czech Republic
Country Czech Republic
CRIS Platform Note In-house-built solution MS SQL
Software In-house-built

Feedback Built with DSpace-CRIS - Extension maintained and optimized by **4SCIENCE** Share your knowledge

<https://dspacecris.eurocris.org/cris/dris/dr0142>



Informační systém výzkumu, vývoje a inovací (IS VaVal) shromažďuje informace o výzkumu, vývoji a inovacích podporovaných z veřejných rozpočtů v České republice a je jediným autorizovaným, úplným a závazným zdrojem těchto informací. Cílem následující webov prezentace je umožnit vyhledávání ve veřejně přístupných údajích IS VaVal, provozovaného podle § 30 zákona č. 130/2002 Sb., o podpoře výzkumu, experimentálního vývoje a inovací z veřejných prostředků a o změně některých souvisejících zákonů (zákon o podpoře výzkumu, experimentálního vývoje a inovací), ve znění pozdějších předpisů. Úlohu správce a provozovatele IS VaVal plní dle zákona č. 130/2002 Sb. Rada pro výzkum, vývoj a inovace. Podrobnosti provozu IS VaVal jsou upraveny nařízením vlády č. 397/2009 Sb., o informačním systému výzkumu, experimentálního vývoje a inovací.

RIV --> “Registry of Information on Results of Research”

Almost 2M research output records since 1998

AKTUÁLNÍ INFORMACE

Plánovaná údržba IS VaV...
11.04.2024

Plánovaná údržba IS VaV...
22.03.2024

- 11.04.2024 - Plánovaná údržba IS VaVal 14. 4. 2024
- 22.03.2024 - Plánovaná údržba IS VaVal 24. 3. 2024
- 06.02.2024 - Plánovaná údržba IS VaVal 9. 2. - 11. 2. 2024
- 02.02.2024 - Plánovaná údržba sítě ÚV ČR
- 25.01.2024 - Plánovaná údržba IS VaVal 26. 1. - 28. 1. 2024
- 11.01.2024 - Seminář pro uživatele rozhraní pro příjemce d...

Archiv novinek

Helpdesk

YouTube kanál

INFORMAČNÍ OBLASTI IS VAVAI

CEA	VES	CEP	RIV
Aktivita VaVal	Veřejné soutěže	Projekty VaVal	Výsledky VaVal
63 běžících programů	2 probíhající soutěže	4 439 řešených projektů	1 930 354 záznamů o výsledcích

RIV

Výsledky VaVal

1 930 354 záznamů o výsledcích

UŽIVATELSKÁ ROZHRANÍ

DOPIŇKOVÉ INFORMACE

RIV data collection

Researchers

- Publications & other research outputs reporting
- ORCID iD + possibly other researcher identifiers



Institutions

- Metadata collection
- Submission in the RIV
- Other internal & external reporting



Funders

- Validation



The RIV

- Integration
- Deduplication
- Web presentation
- API for harvesting

Outputs per researcher
(reported 2019–2023):
29% researchers ~ 1 output
Median = 3
75th Percentile = 9
90th Percentile = 22
Maximum = 707

Czech Academy of Sciences:
15K–16K records/year

Charles University:
11K–12K records/year

Masaryk University:
5K–7K records/year

...

Ministry of Education,
Youth and Sports:
45K–48K records/year

Czech Science Foundation:
9K–11K records/year

...

75K–85K output records/year
55K–60K distinct outputs/year
~200K authorship records/year

COMBINATION OF SEARCHES FOR HIGGS BOSON PAIRS IN PP COLLISIONS AT ROOT S=13 TEV WITH THE ATLAS DETECTOR (2020)



ZPĚT NA VÝSLEDKY HLEDÁNÍ

ZPĚT NA HLEDÁNÍ

VÝSKYT VÝSLEDKU

Identifikační kód	RIV/68407700:21220/20:00345110
Název v anglickém jazyce	Combination of searches for Higgs boson pairs in pp collisions at root s=13 TeV with the ATLAS detector
Druh	J - Recenzovaný odborný článek (Jimp, Jsc a Jost)
Poddruh	J/A - Článek v odborném periodiku je obsažen v databázi Web of Science společností Thomson Reuters s příznakem „Article“, „Review“ nebo „Letter“ (Jimp)
Jazyk	
Vědní obor	
Rok uplatnění	
Kód důvěrnosti údajů	
Počet výskytů výsledku	
Počet tvůrců celkem	
Počet domácích tvůrců	
Výčet všech uvedených jednotlivých tvůrců	

Václav Vacek (státní příslušnost: CZ - Česká republika, domácí tvůrce: A, vedídk: 6112137, orcid: [0000-0001-9584-0392](#))

G. Aad (státní příslušnost: -)

B. Abbott (státní příslušnost: -)

D. C. Abbott (státní příslušnost: -)

A. Abud (státní příslušnost: -)

Babar Ali (státní příslušnost: PK - Pákistánská islámská republika, orcid: [0000-0003-3811-214X](#))

Kamil Augsten (státní příslušnost: CZ - Česká republika, orcid: [0000-0001-8324-0576](#))

Benedikt Ludwig Bergmann (státní příslušnost: DE - Spolková republika Německo, orcid: [0000-0002-8076-5614](#))

Miroslav Havránek (státní příslušnost: CZ - Česká republika, orcid: [0000-0002-3031-3222](#))

Zdeněk Hubáček (státní příslušnost: CZ - Česká republika, orcid: [0000-0003-3250-9066](#))

Miroslav Myška (státní příslušnost: CZ - Česká republika, orcid: [0000-0003-0982-3380](#))

Radek Novotný (státní příslušnost: CZ - Česká republika, orcid: [0000-0002-1630-694X](#))

Stanislav Pospíšil (státní příslušnost: CZ - Česká republika, orcid: [0000-0001-5424-9096](#))

Karel Smolek (státní příslušnost: CZ - Česká republika, orcid: [0000-0002-5996-7000](#))

André Sopczak (státní příslušnost: DE - Spolková republika Německo, orcid: [0000-0001-6981-0544](#))

Petr Vokáč (státní příslušnost: CZ - Česká republika, orcid: [0000-0002-3429-4778](#))

Václav Vrba (státní příslušnost: CZ - Česká republika, orcid: [0000-0002-0457-5675](#))

Popis výsledku v anglickém jazyce

This letter presents a combination of searches for Higgs boson pair production using up to 36.1 fb⁻¹ of proton-proton collision data at a centre-of-mass energy root s = 13 TeV recorded with the ATLAS detector at the LHC. The

How many ORCID iDs?

ORCID iDs in RIV

34 656

Distinct ORCID iDs in research outputs reported in the RIV 2018–2023

(data snapshot of 2024-04-28)

ORCID iDs in RIV

34 642

Distinct ORCID iDs in research outputs reported in the RIV 2018–2023

(data snapshot of 2024-04-28)

After taking redirects (= merged records) into account

Reality check

29 349

Active Records

(looked up 2024-05-12)



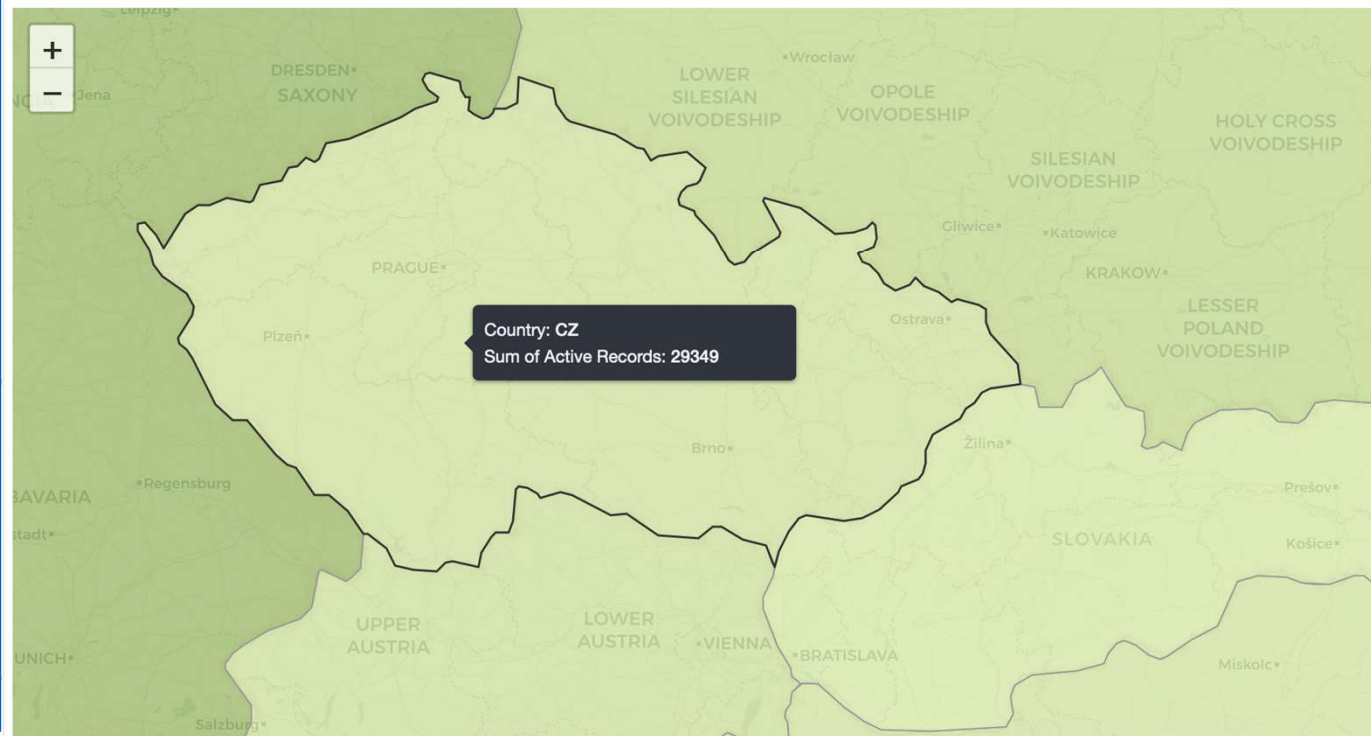
<https://info.orcid.org/resources/orcid-statistics/>

ORCID Statistics

Date Drill by Default

Active Researchers by Country

Close widget

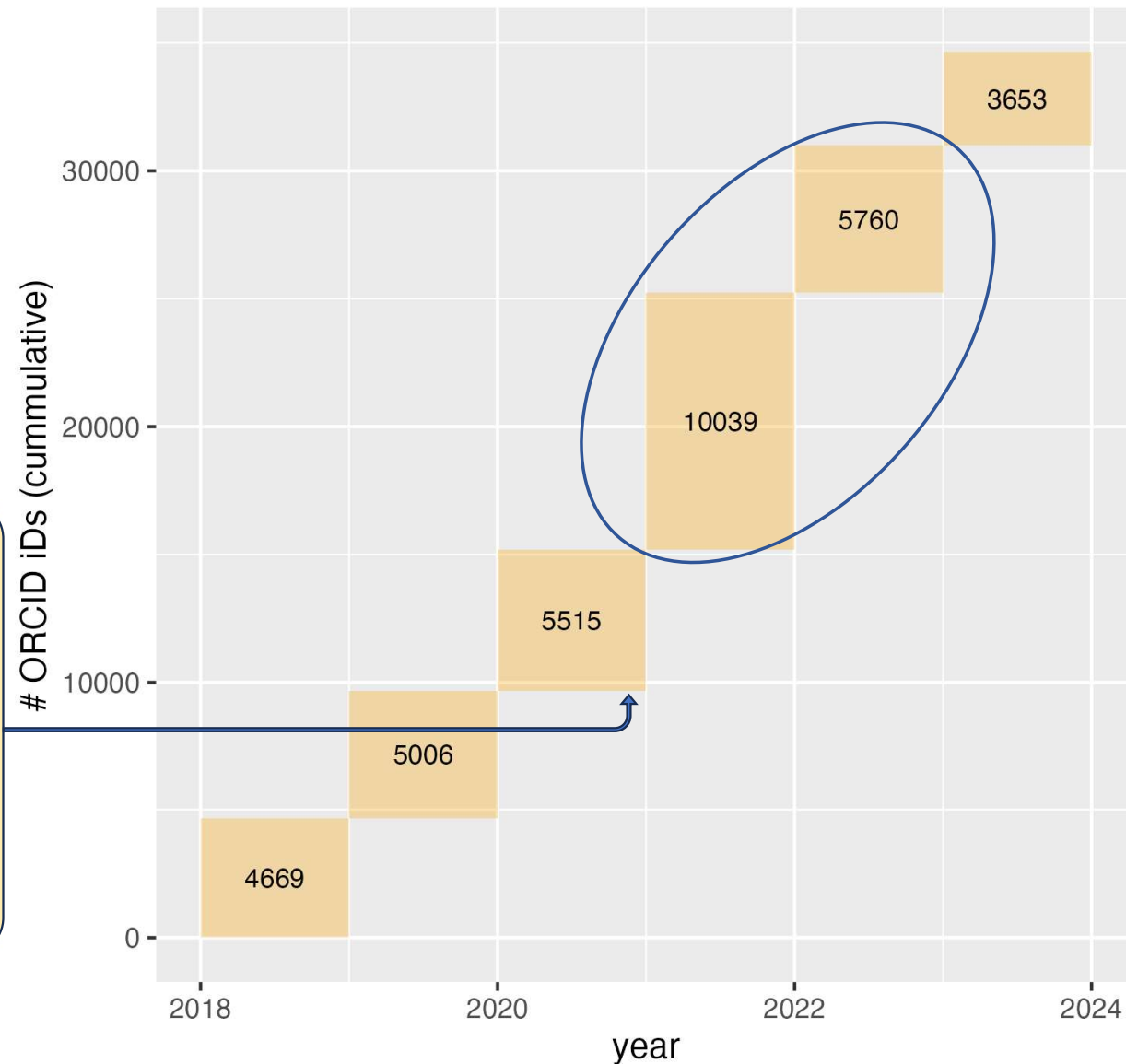


When?

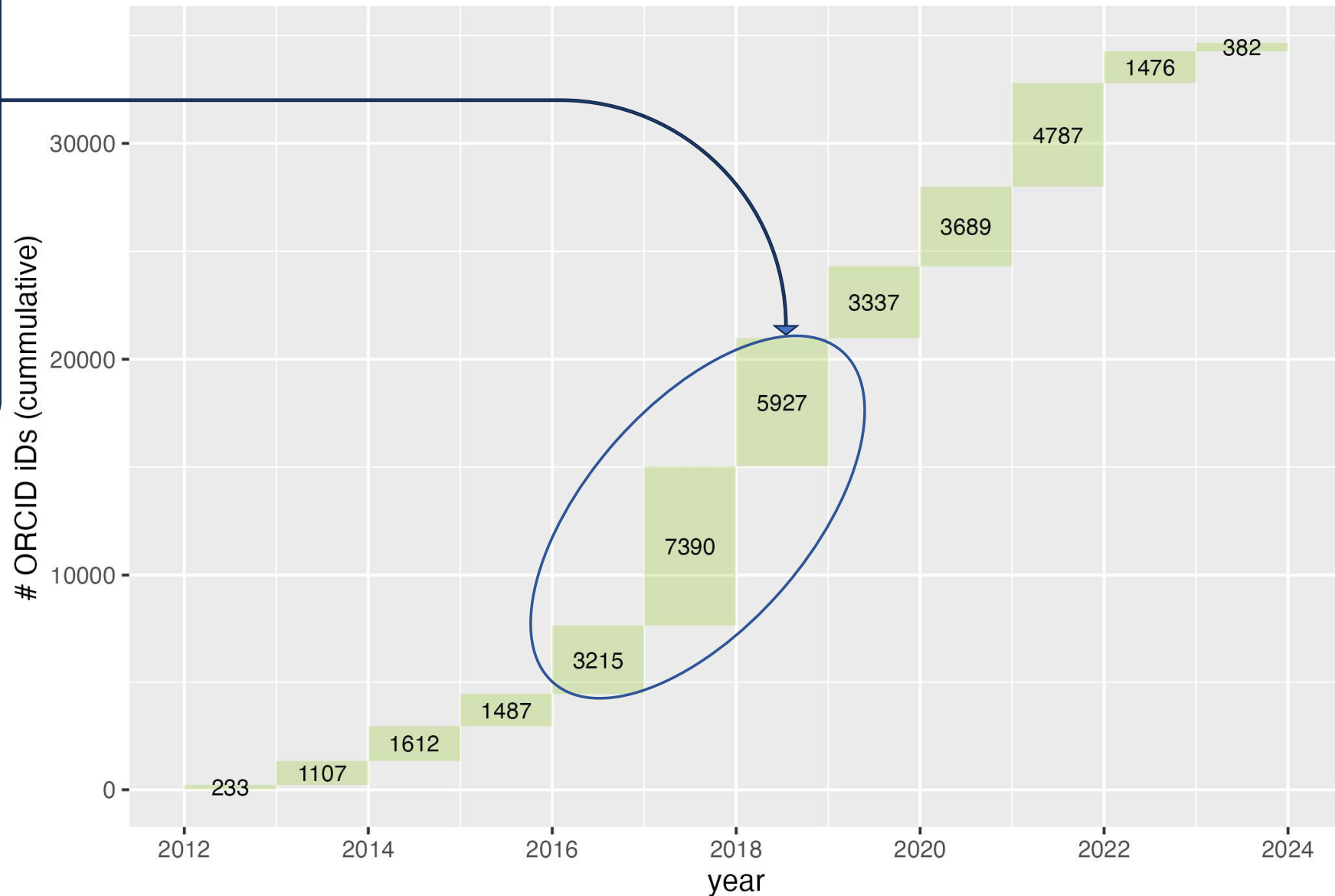
When were these ORCID iDs first reported?

R&D&I Council to institutions:
Please report researcher identifiers of your internal authors of journal articles and proceedings papers

ORCID iDs by the year they were first reported



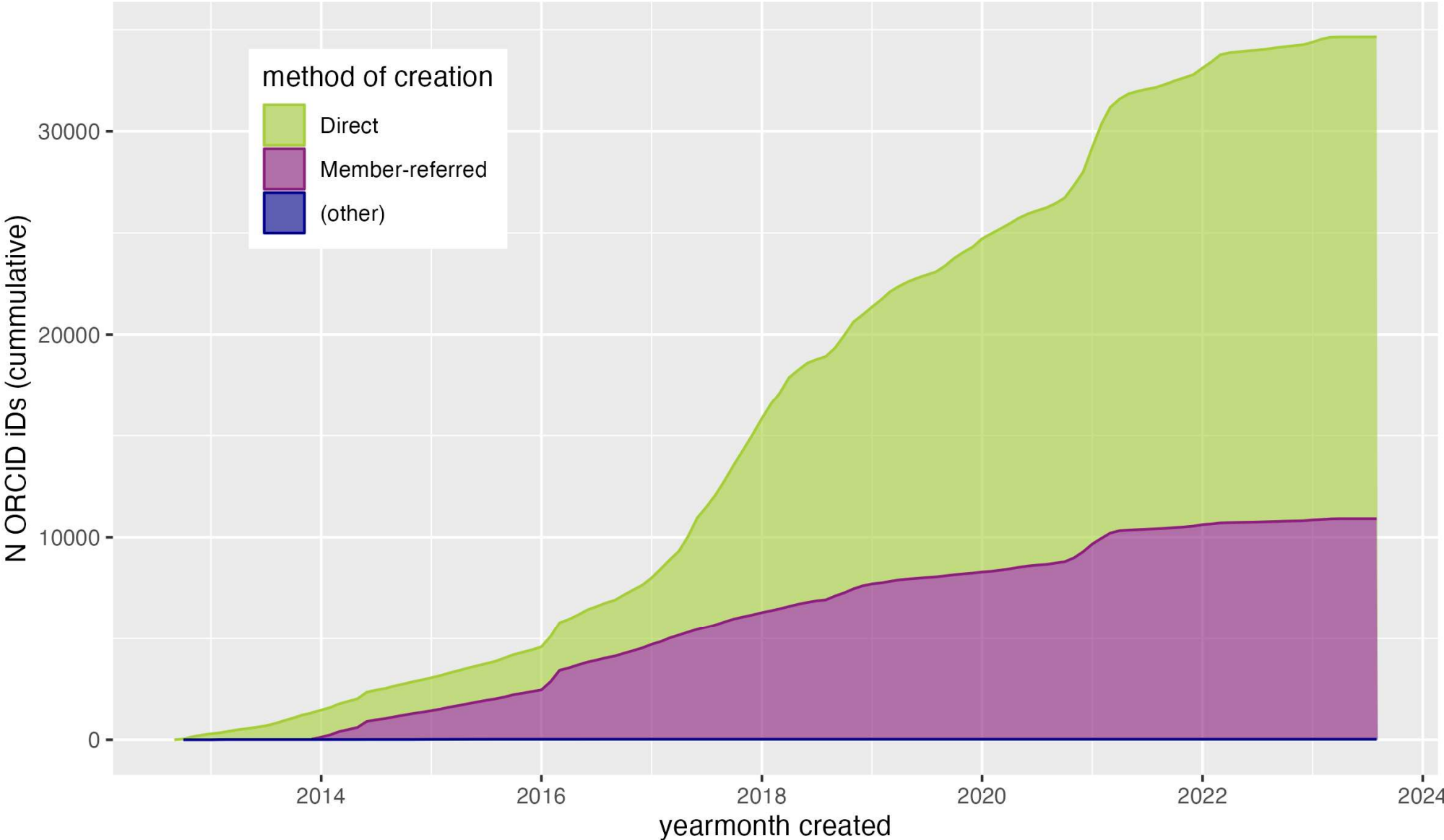
ORCID iDs by the year they were created



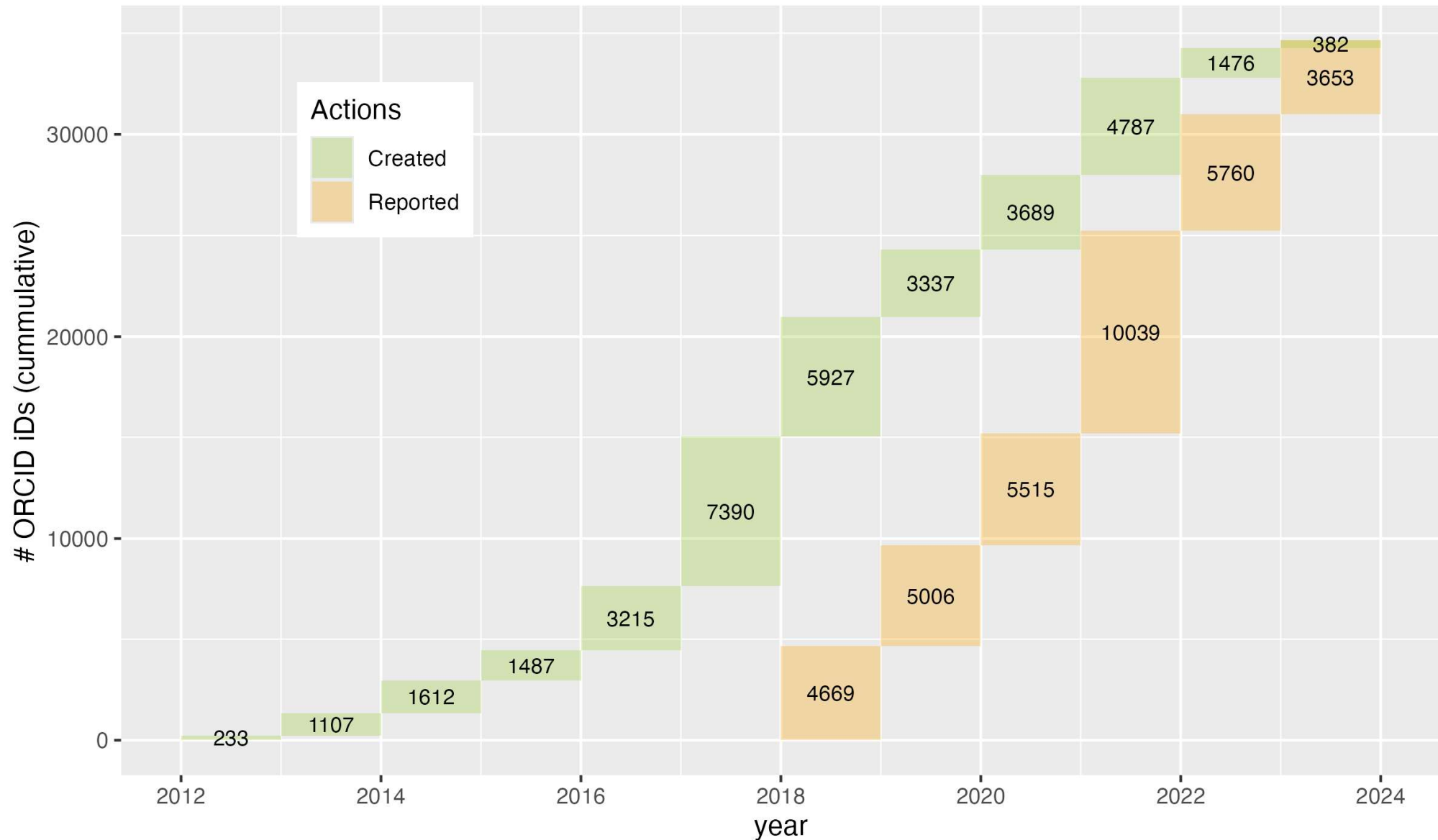
Internal regulations at many institutions: Researcher Identifiers

When were these ORCID iDs created?

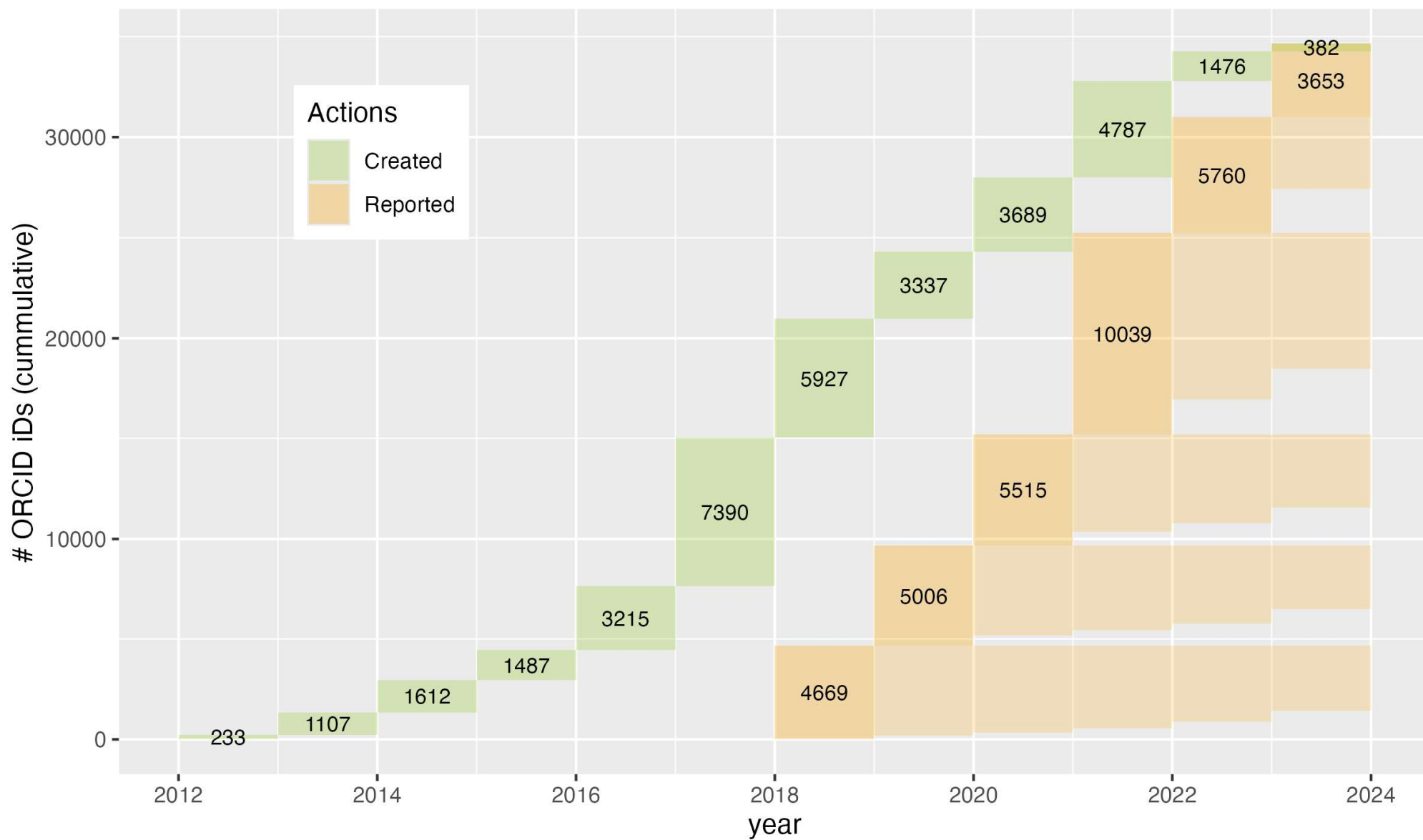
ORCID iDs by the method and the date they were created



ORCID iDs by the years they were created / first reported

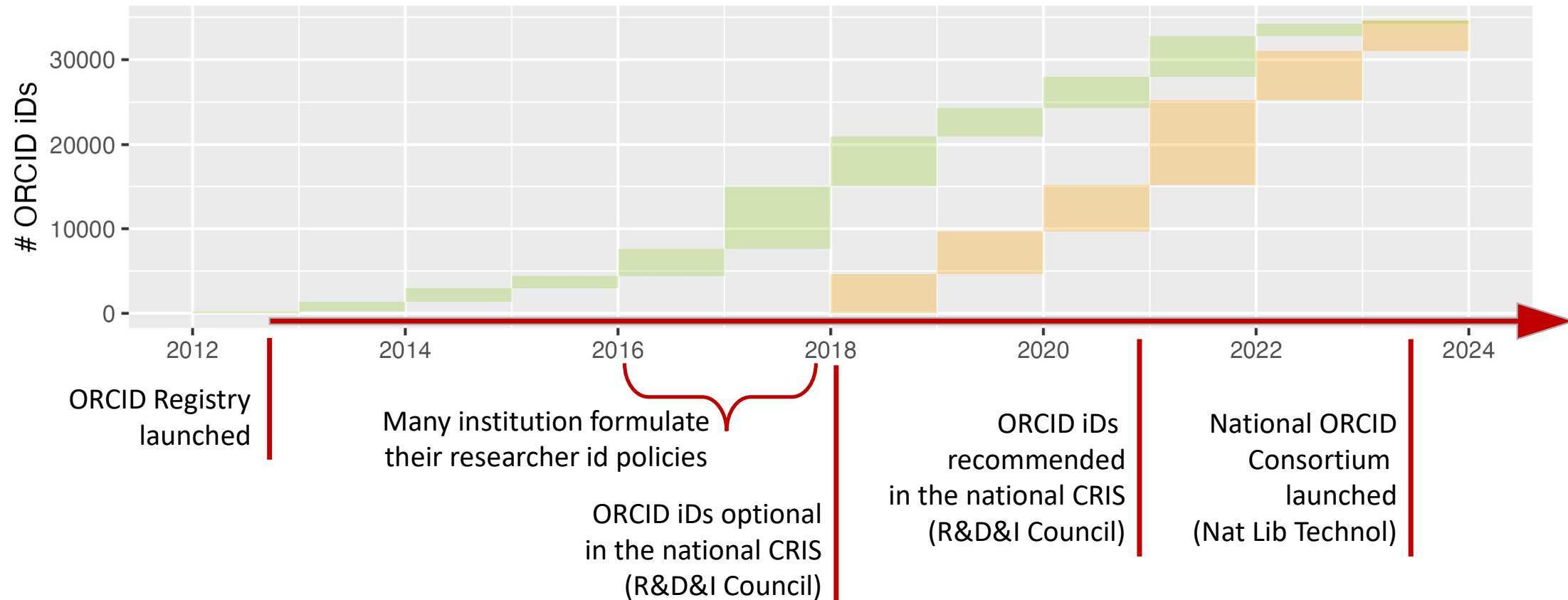


ORCID iDs by the years they were created / first & last reported



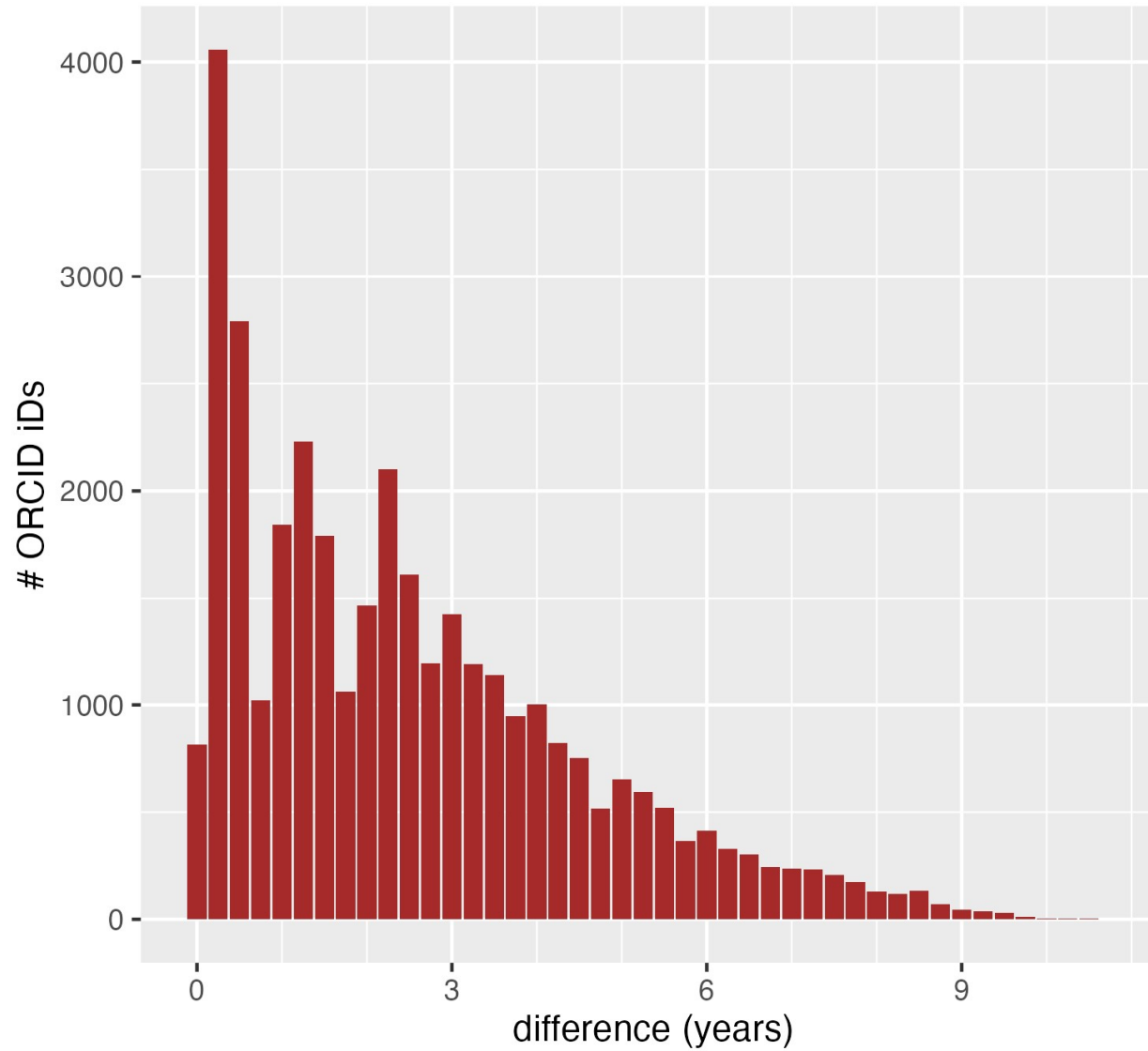
The CZ ORCID timeline

The CZ ORCID timeline

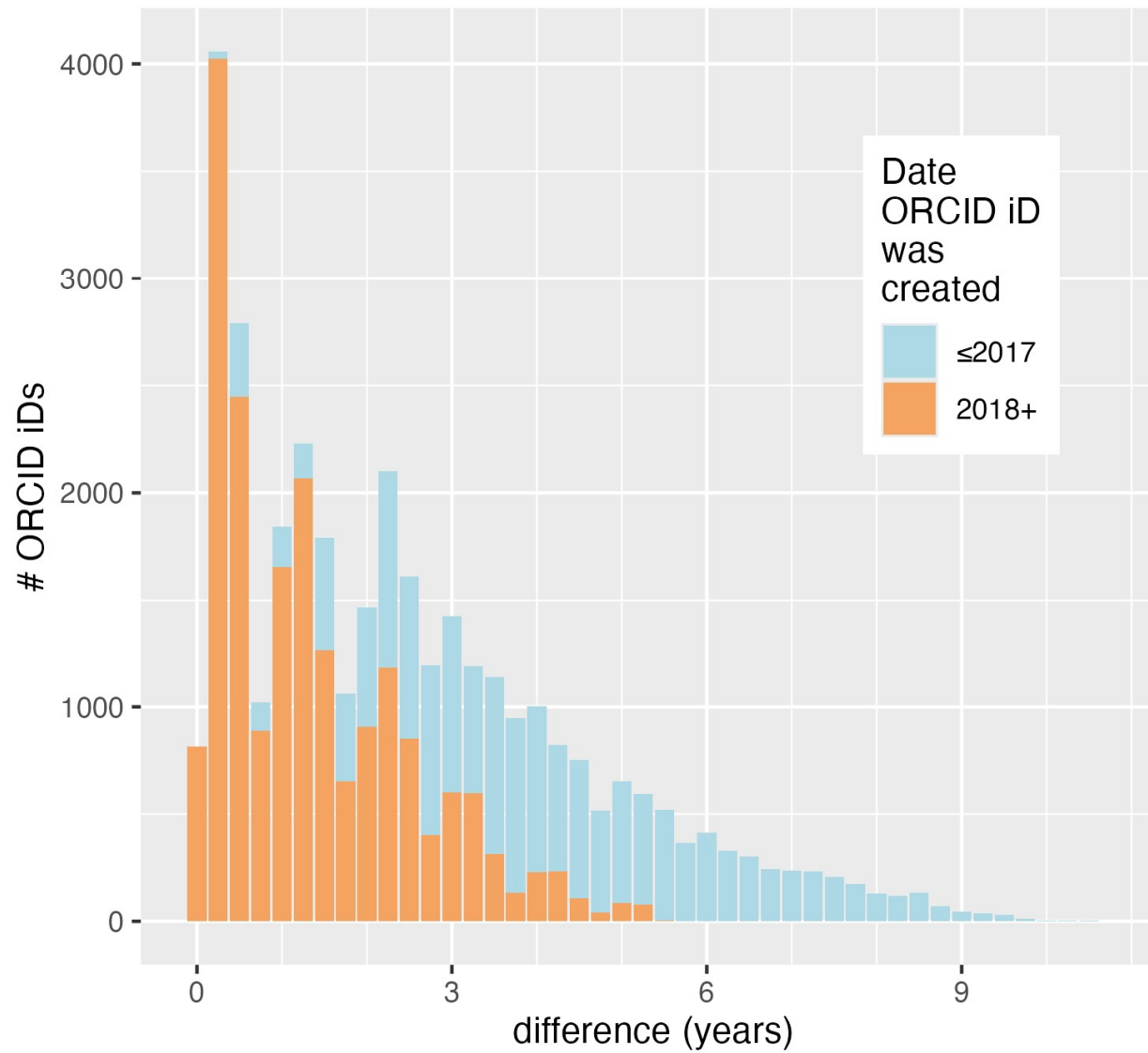


How much delay
in the ORCID iD reporting?

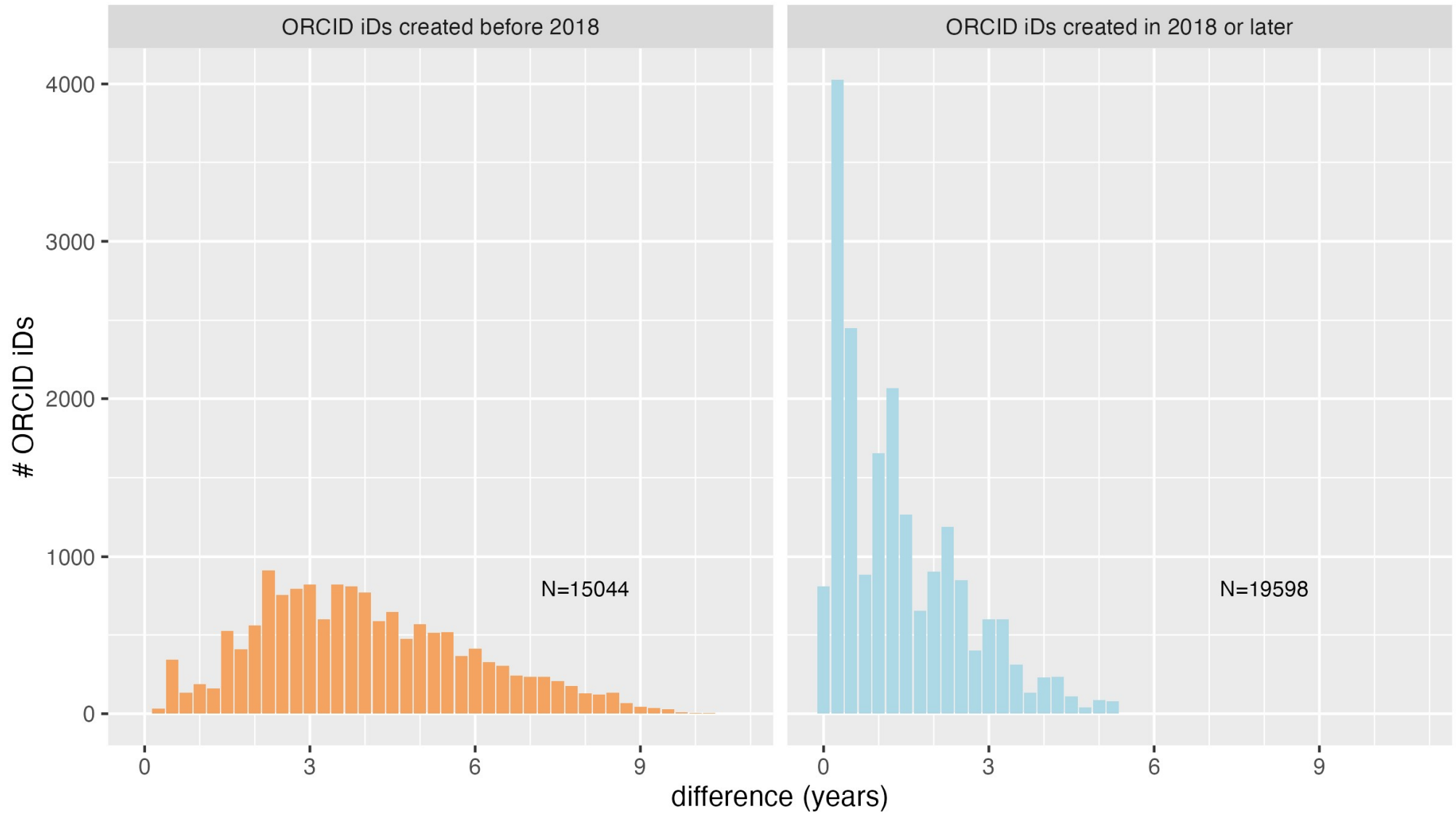
Difference between the day the ORCID iD
was created and first reported in the RIV



Difference between the day the ORCID iD was created and first reported in the RIV

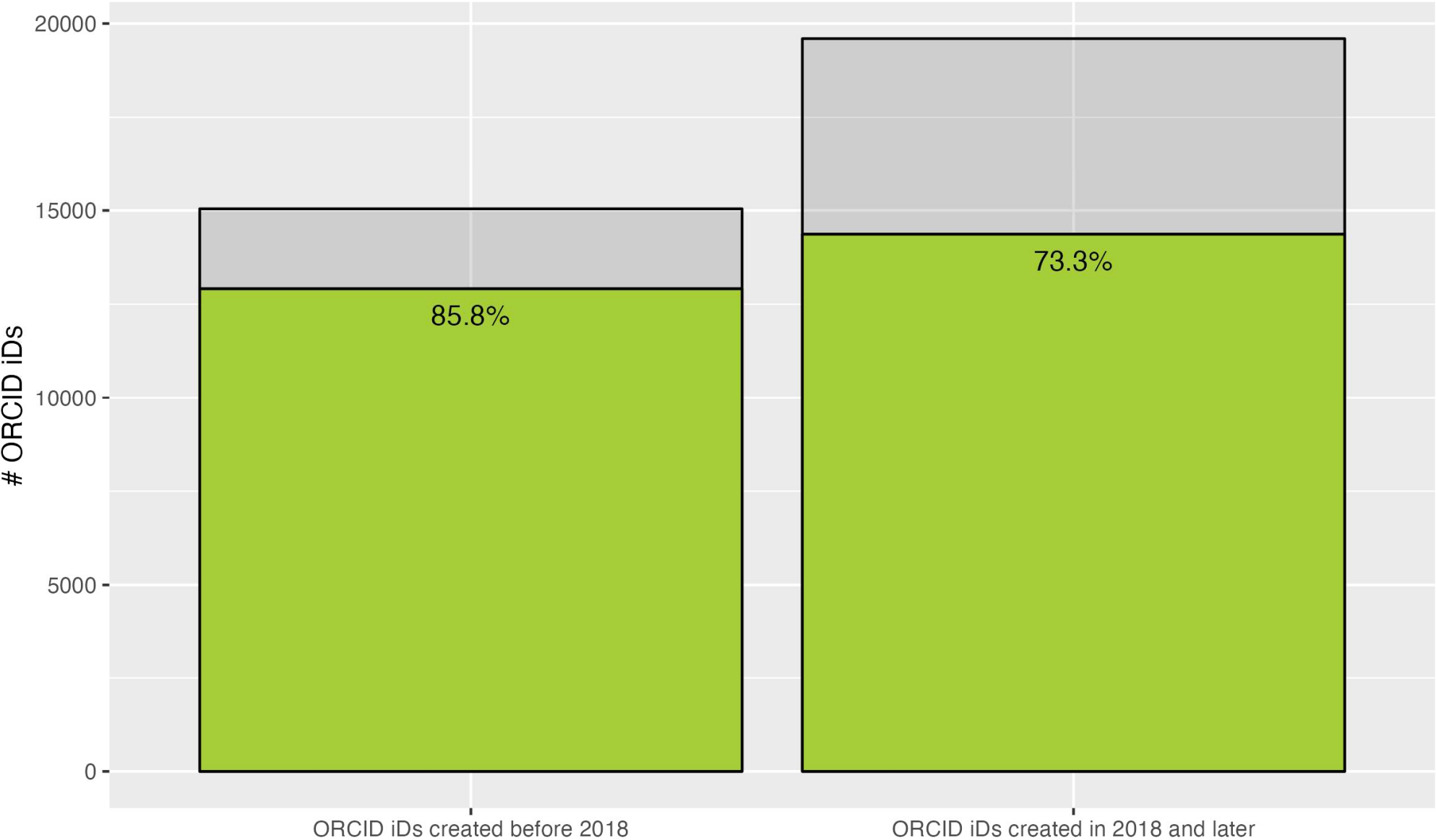


Difference between the day the ORCID iD was created and first reported in the RIV

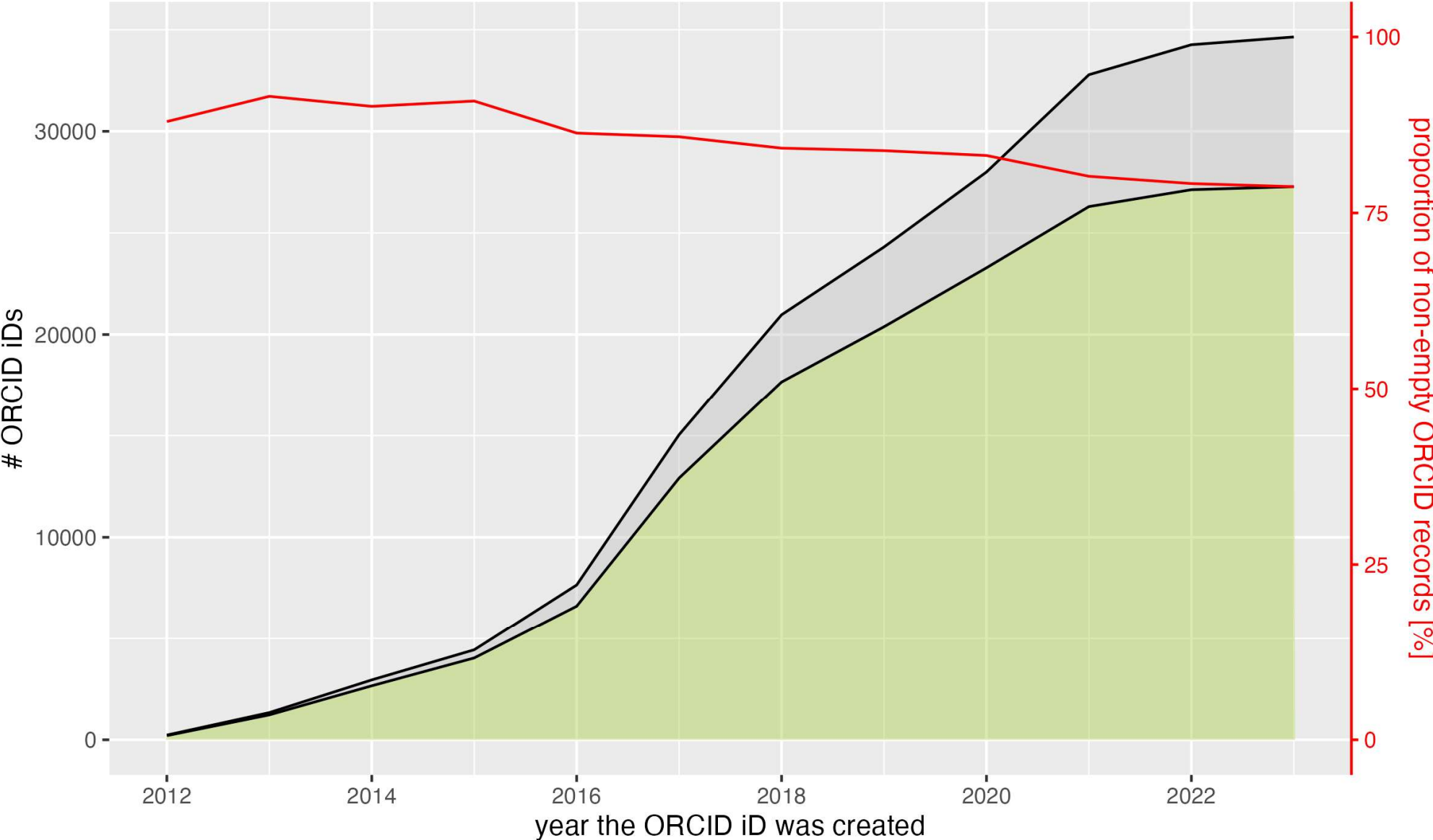


How populated are the ORCID records?

Non-empty ORCID records

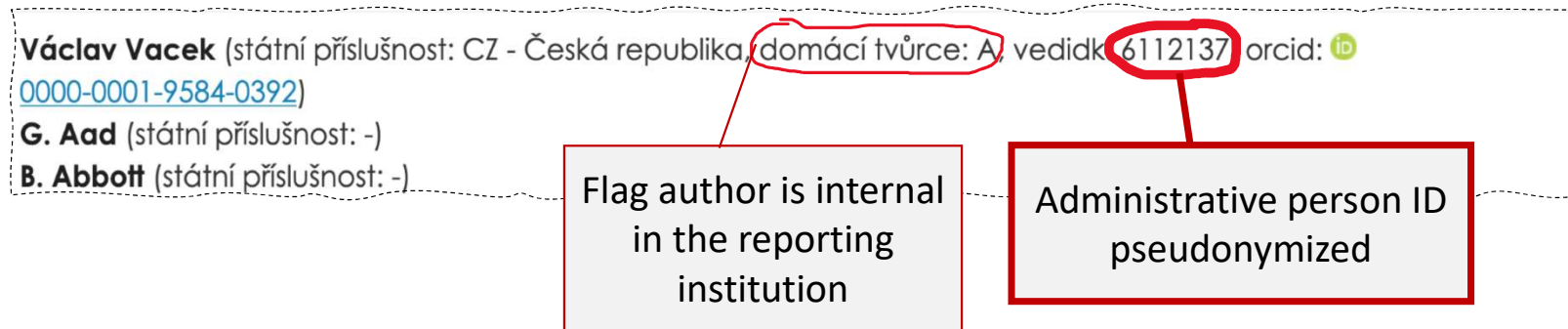


Non-empty ORCID records : cummulative view



Coverage of authors/contributors

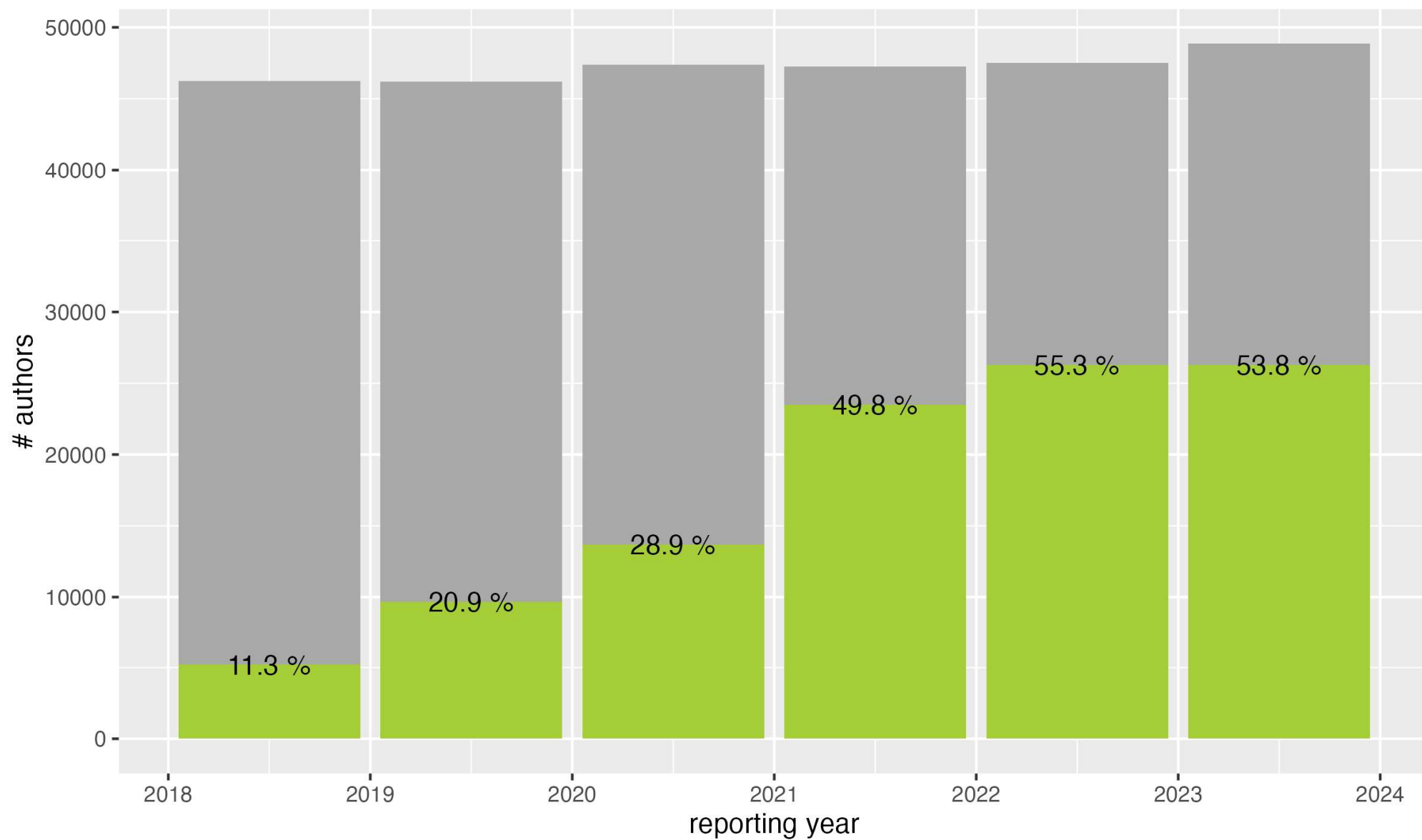
Administrative IDs in the IS VaVal



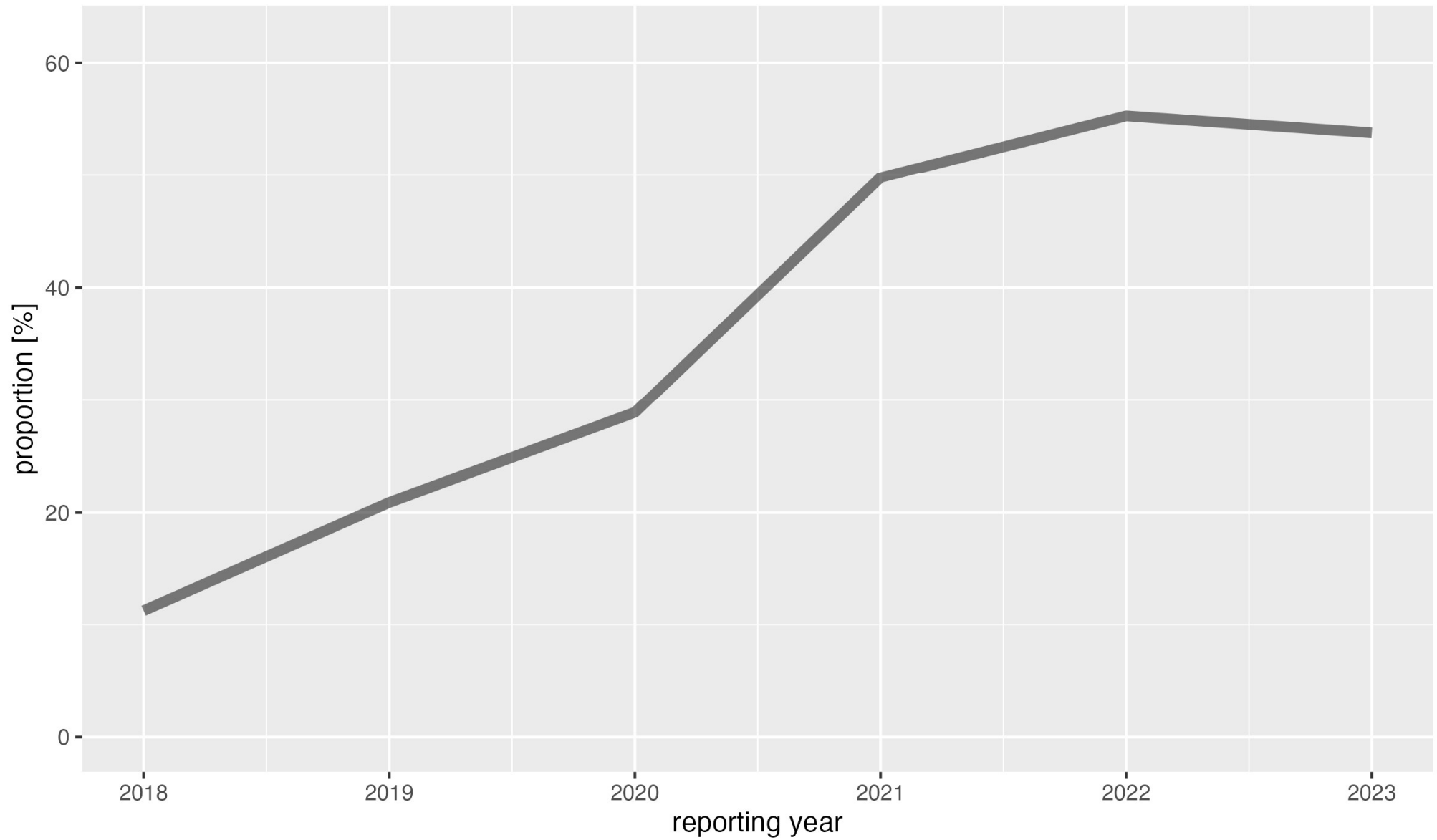
Administrative person ID (“birth number“, cz: *rodné číslo*):

- Assigned to CZ citizens & people with permanent residence permit
- Composed of the date of birth, gender & place of birth + sequence number

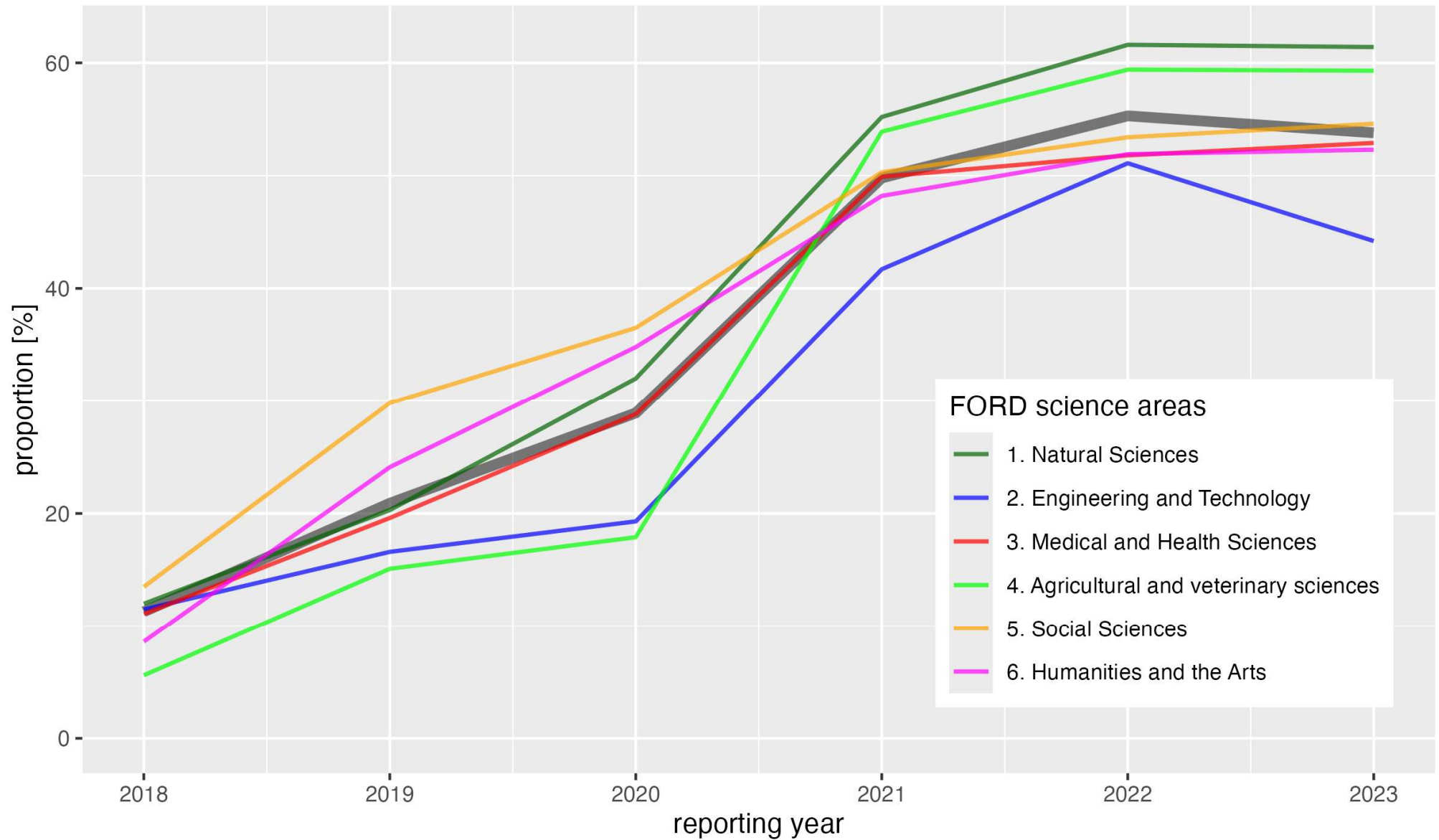
Number of authors of research results reported in the RIV



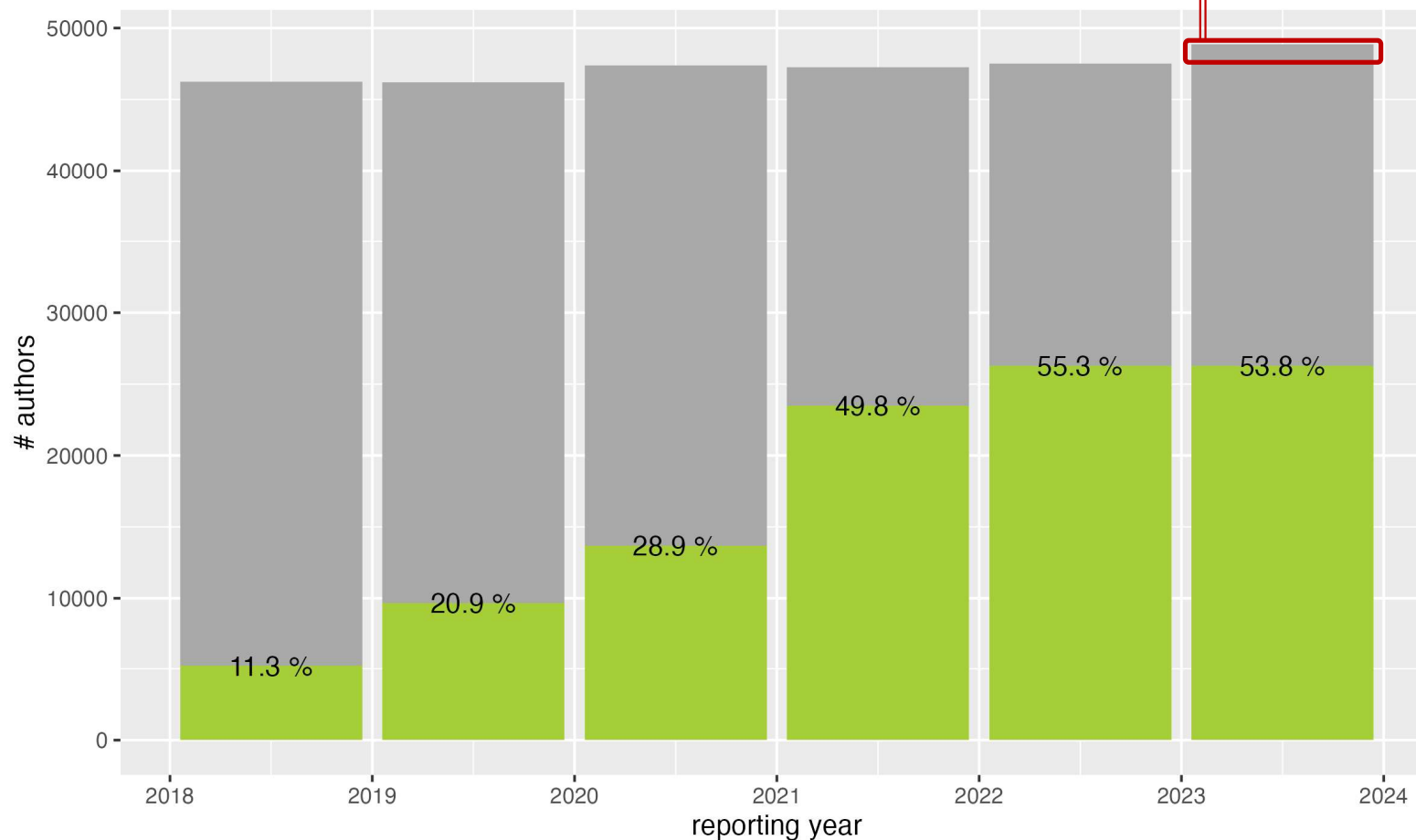
Proportion of authors identified with an ORCID iD in the RIV



Proportion of authors identified with an ORCID iD in the RIV



Number of authors of research results reported in the RIV



In 2023 companies reported ~860 outputs they achieved in operational programme projects funded by Ministry of Industry & Trade



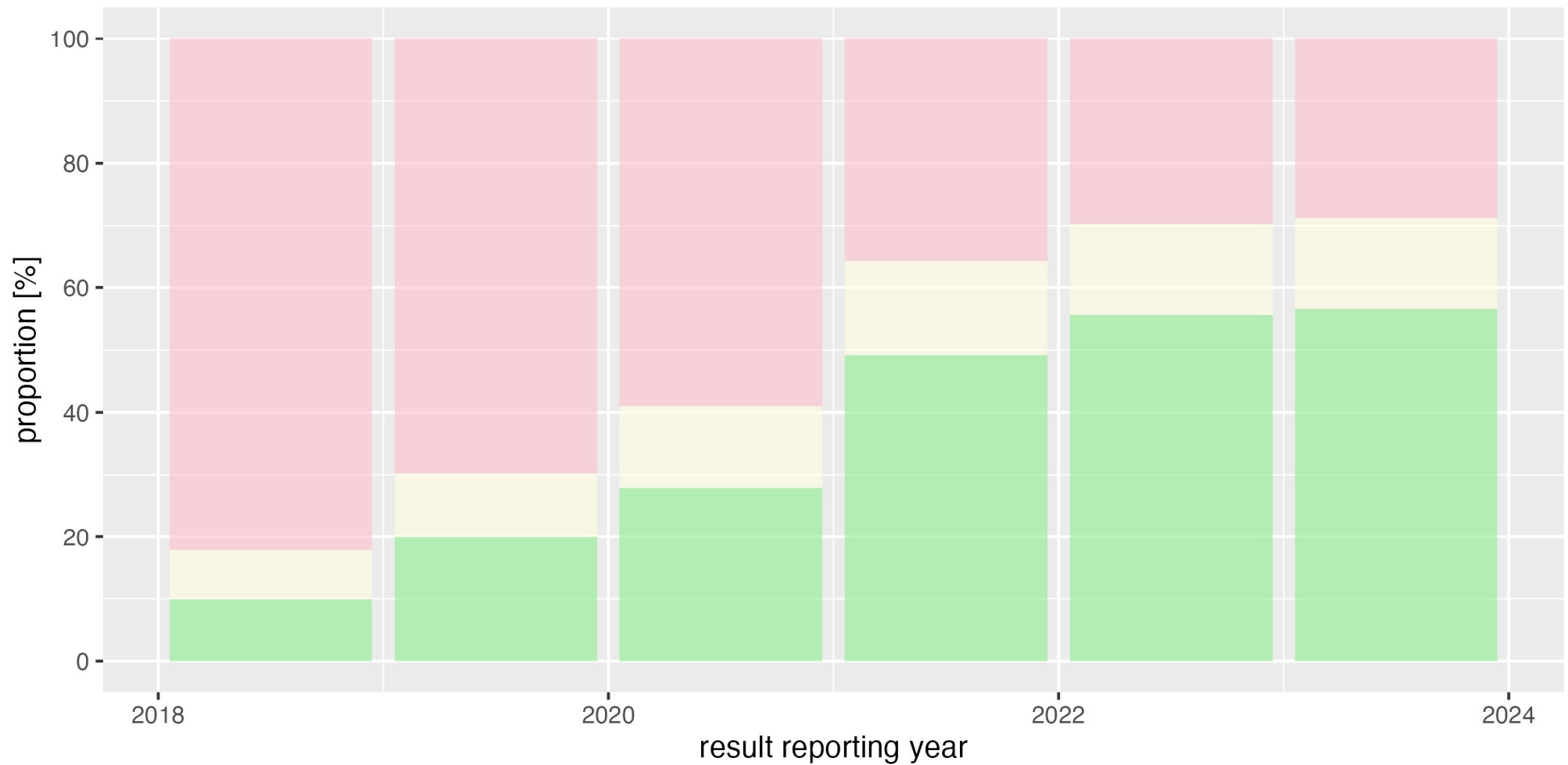
+1800 new contributors, almost exclusively without an ORCID iD

Coverage of research outputs

Research outputs reported 2018–2023 internal author coverage with ORCID iDs

The whole CZ (N = 350797)

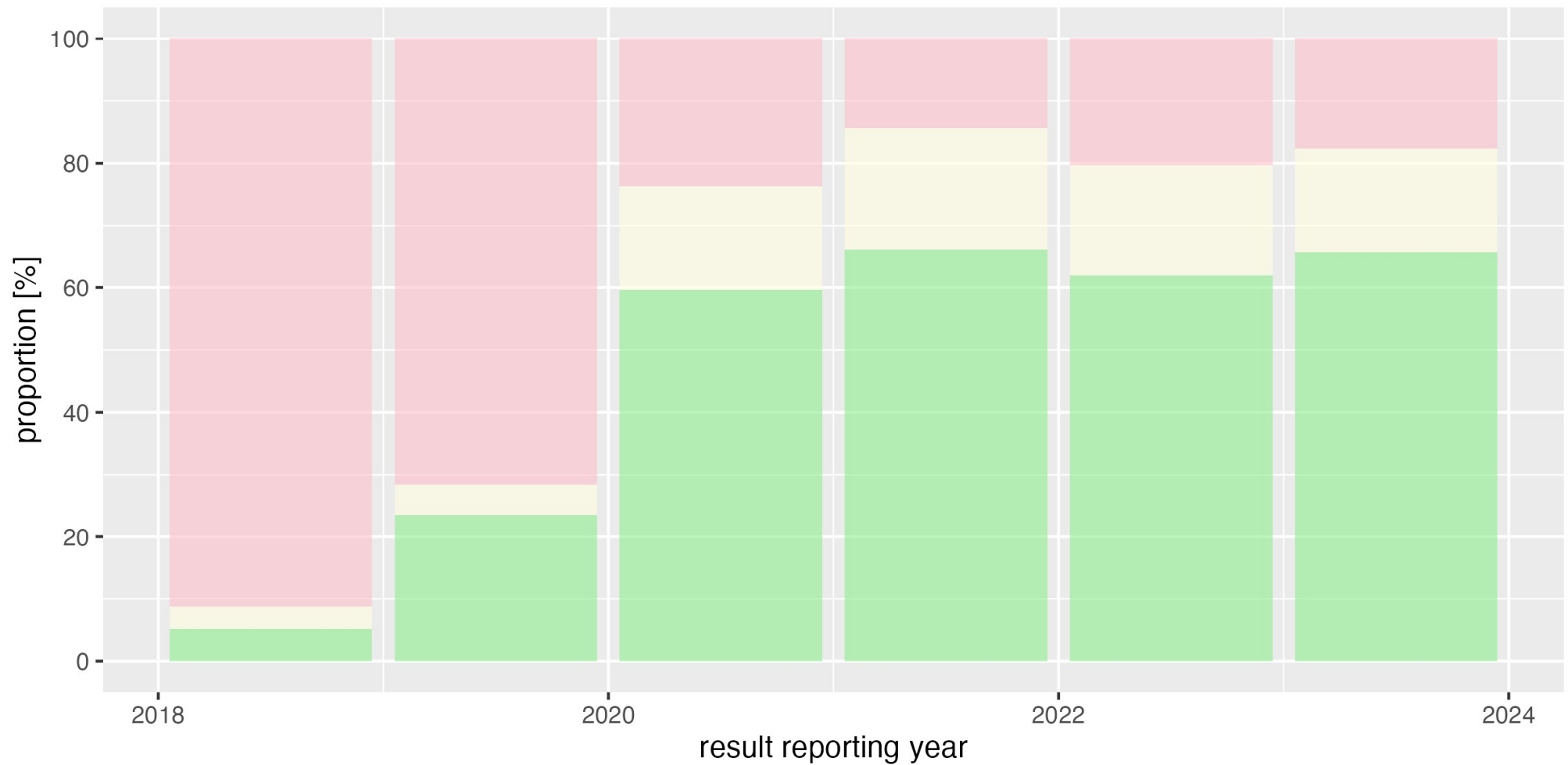
ORCID iD coverage ZERO PARTIAL FULL



Research outputs reported 2018–2023 internal author coverage with ORCID iDs

Charles University (<https://ror.org/024d6js02> , N = 55250)

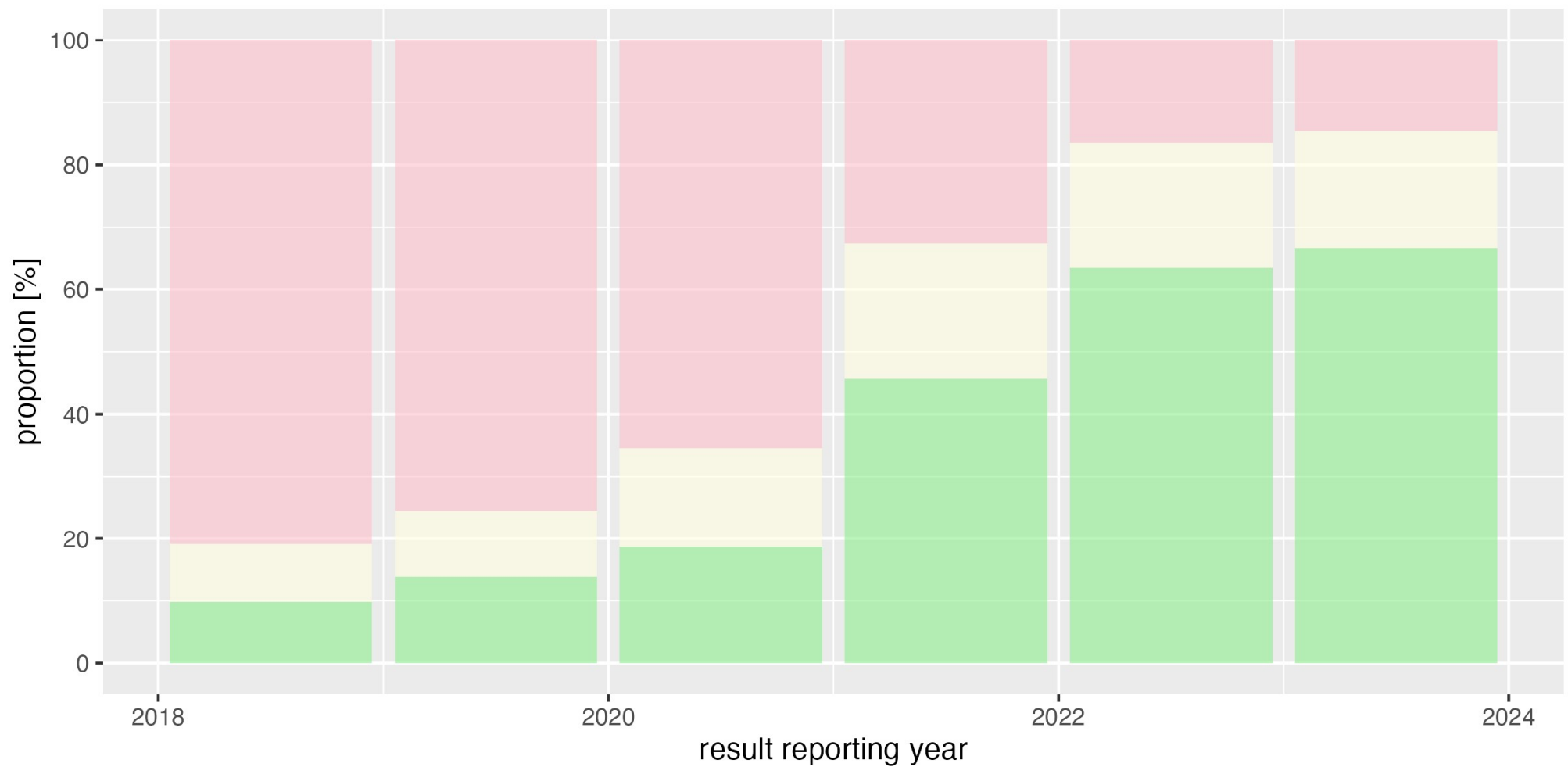
ORCID iD coverage ZERO PARTIAL FULL



Research outputs reported 2018–2023 internal author coverage with ORCID iDs

Czech Academy of Sciences (<https://ror.org/053avzc18> , N = 50641)

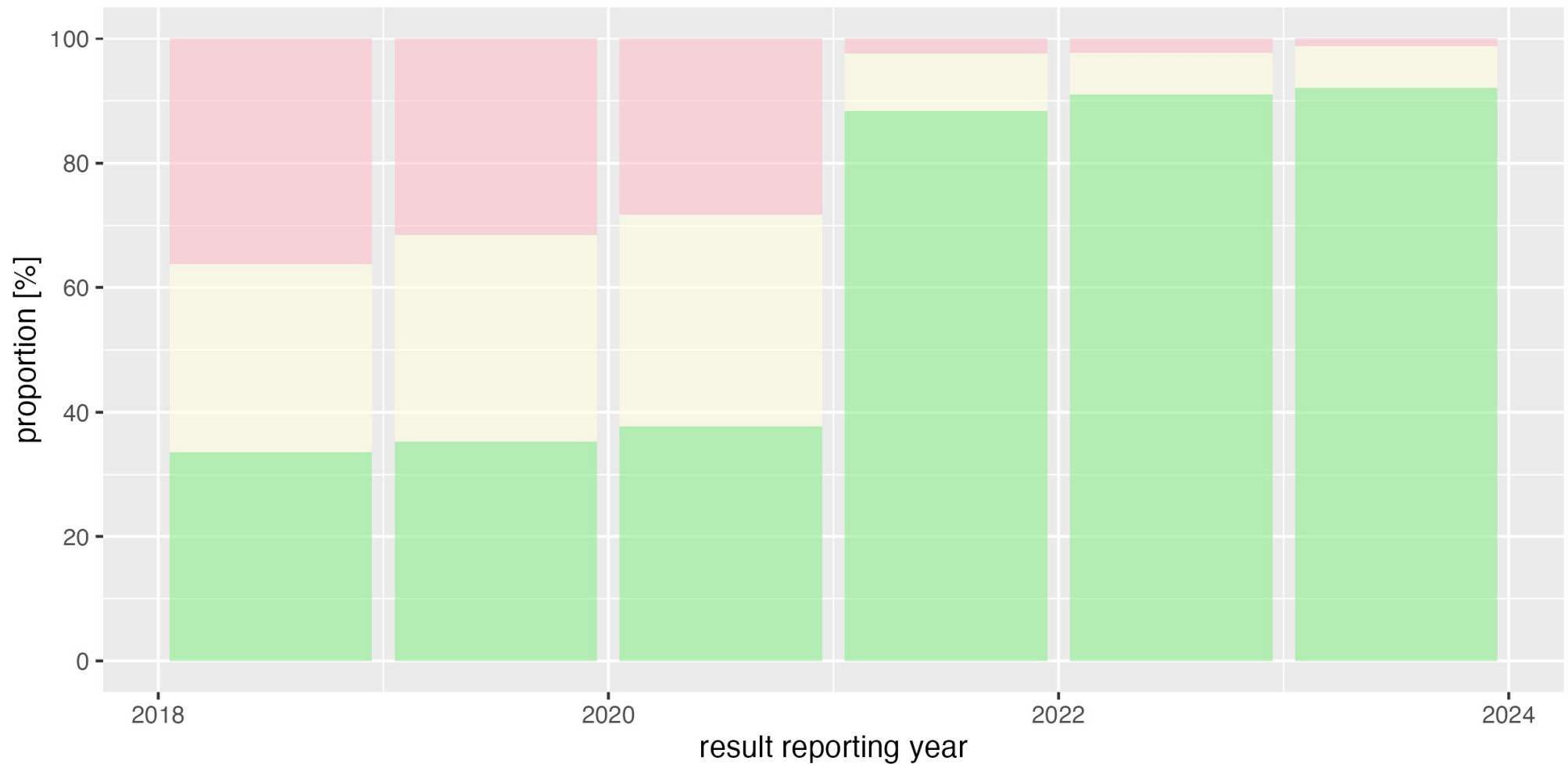
ORCID iD coverage ZERO PARTIAL FULL



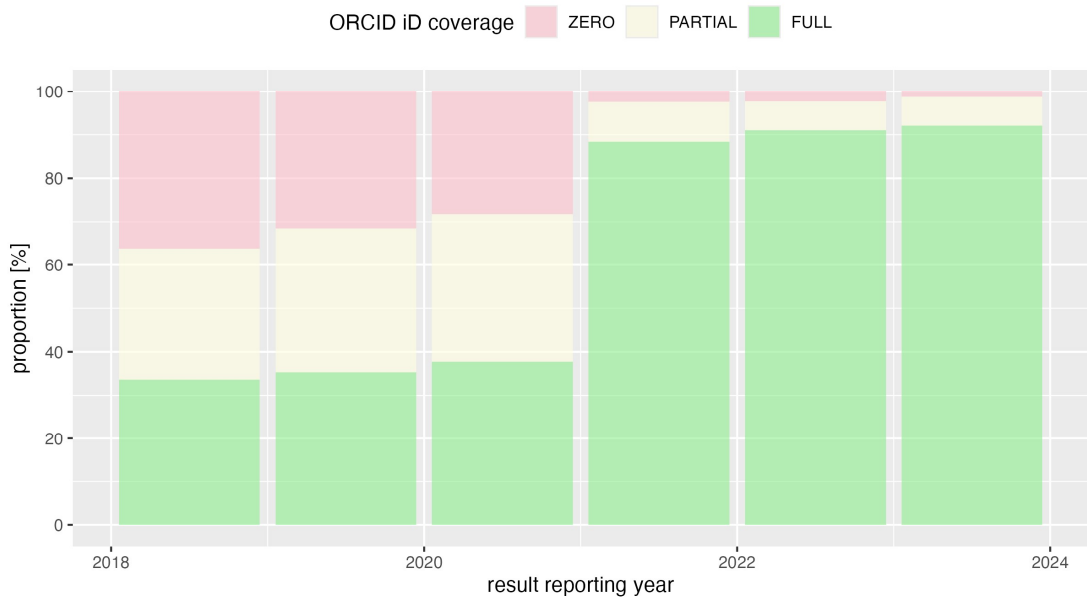
Research outputs reported 2018–2023 internal author coverage with ORCID iDs

Czech Technical University in Prague (<https://ror.org/03kqpb082> , N = 29194)

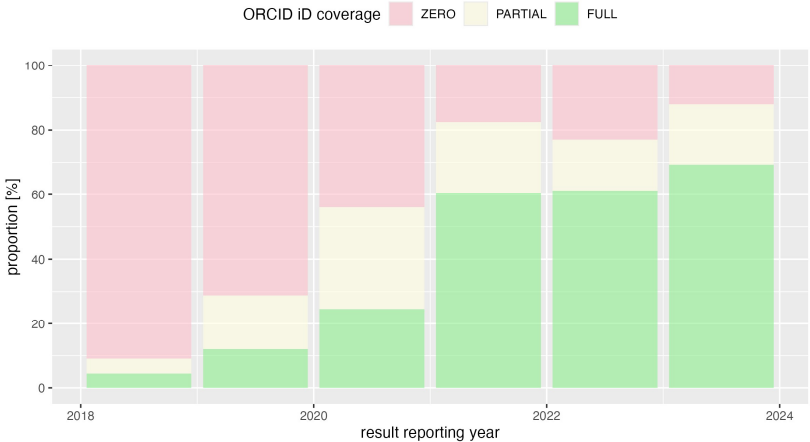
ORCID iD coverage ZERO PARTIAL FULL



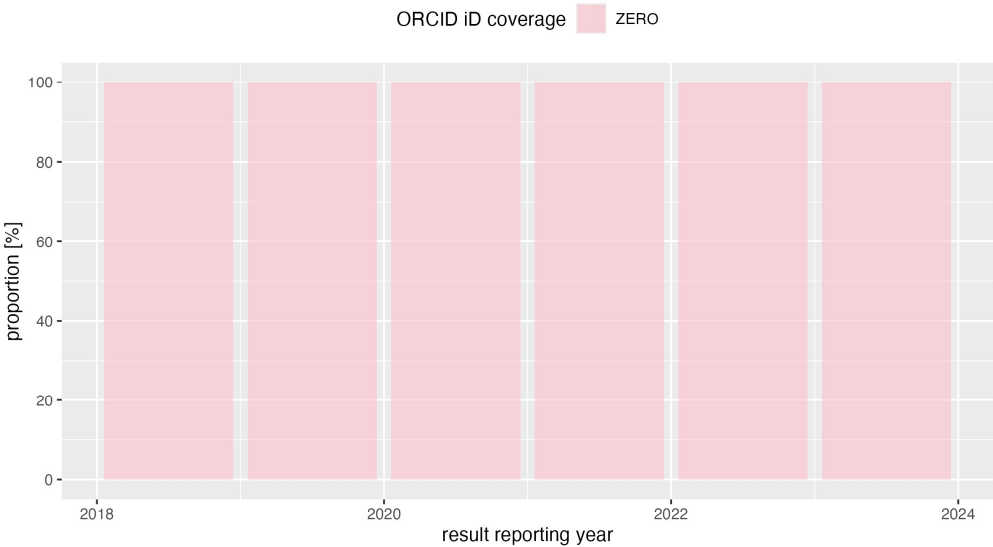
Research outputs reported 2018–2023 internal author coverage with ORCID iDs
Czech Technical University in Prague (<https://ror.org/03kqpb082> , N = 29194)



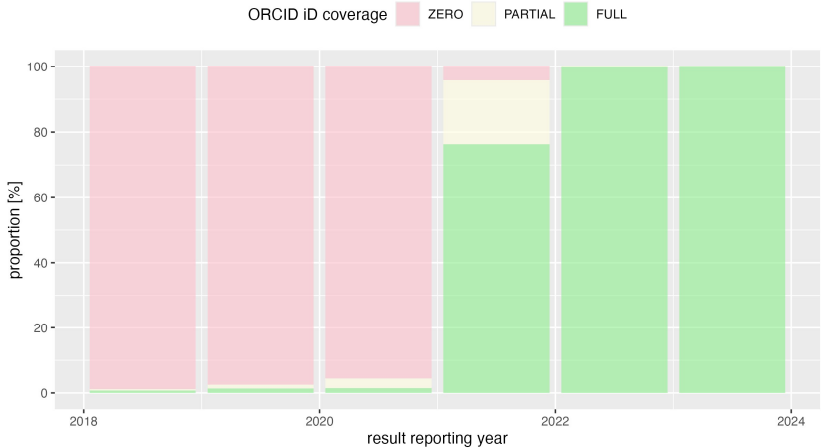
Research outputs reported 2018–2023 internal author coverage with ORCID iDs
Technical University of Ostrava (<https://ror.org/05x8mcb75> , N = 13911)



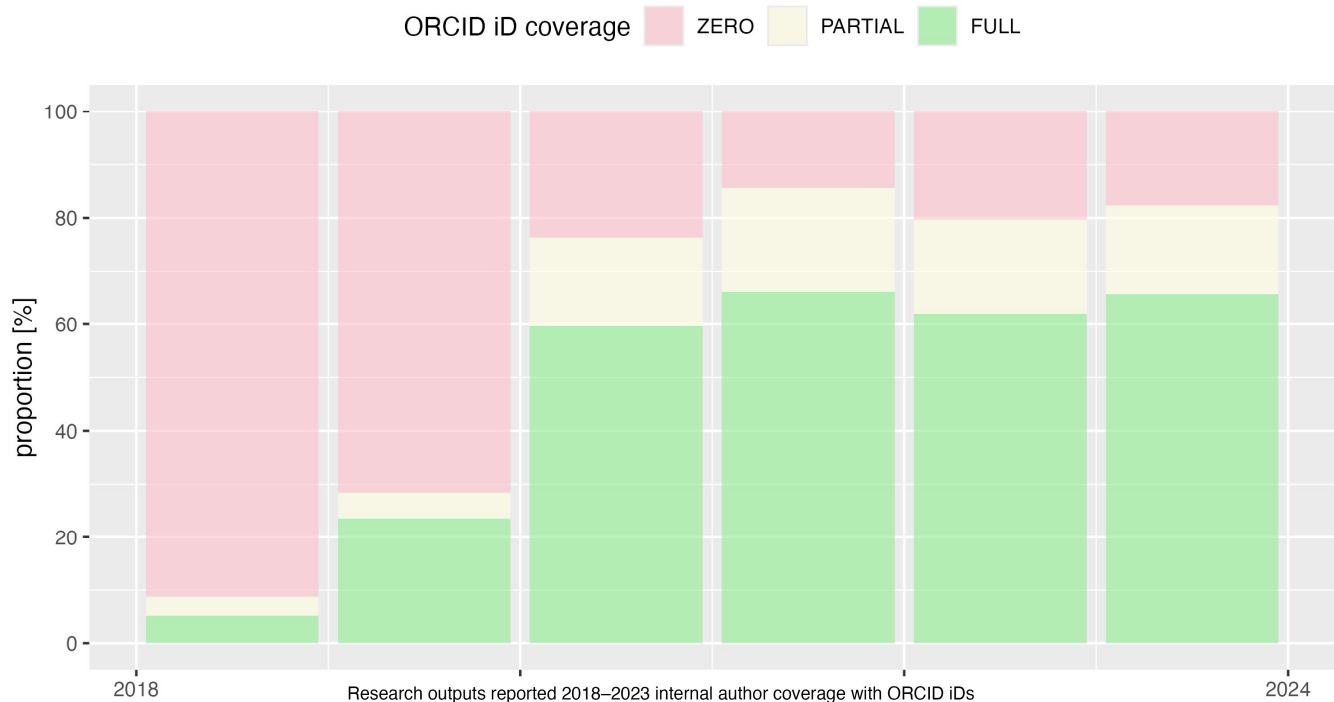
Research outputs reported 2018–2023 internal author coverage with ORCID iDs
Brno University of Technology (<https://ror.org/03613d656> , N = 23402)



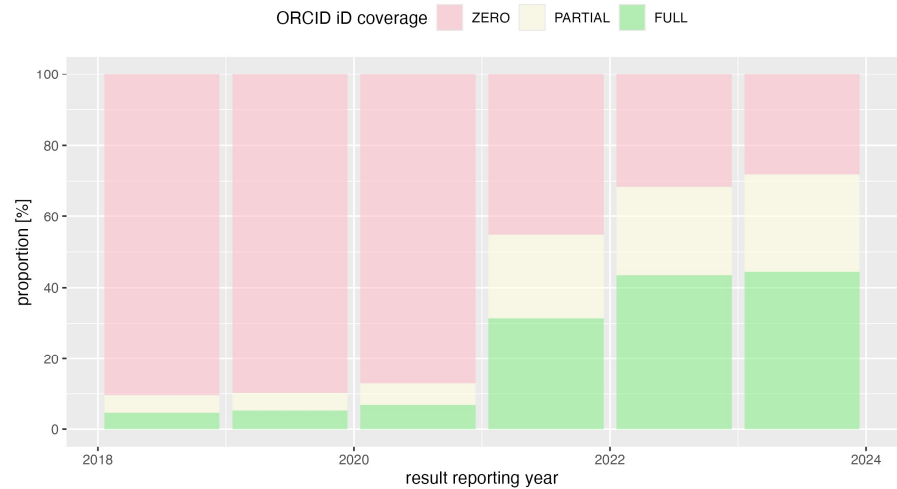
Research outputs reported 2018–2023 internal author coverage with ORCID iDs
University of Chemistry and Technology (<https://ror.org/05ggn0a85> , N = 8090)



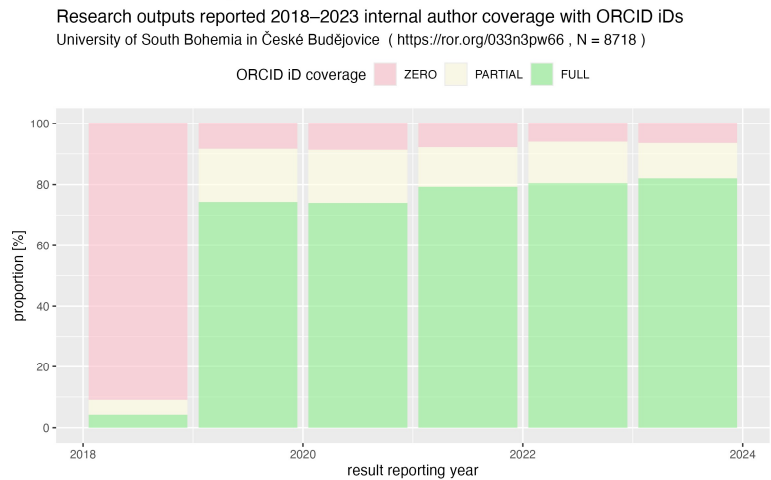
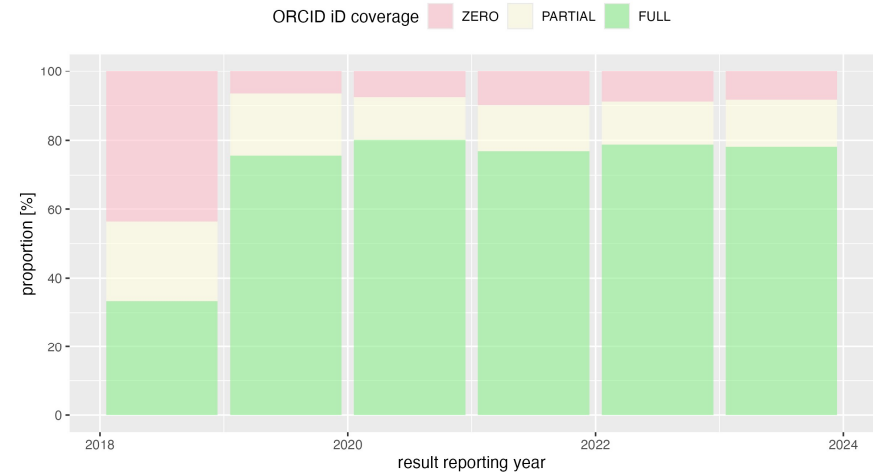
Research outputs reported 2018–2023 internal author coverage with ORCID iDs
Charles University (<https://ror.org/024d6js02> , N = 55250)



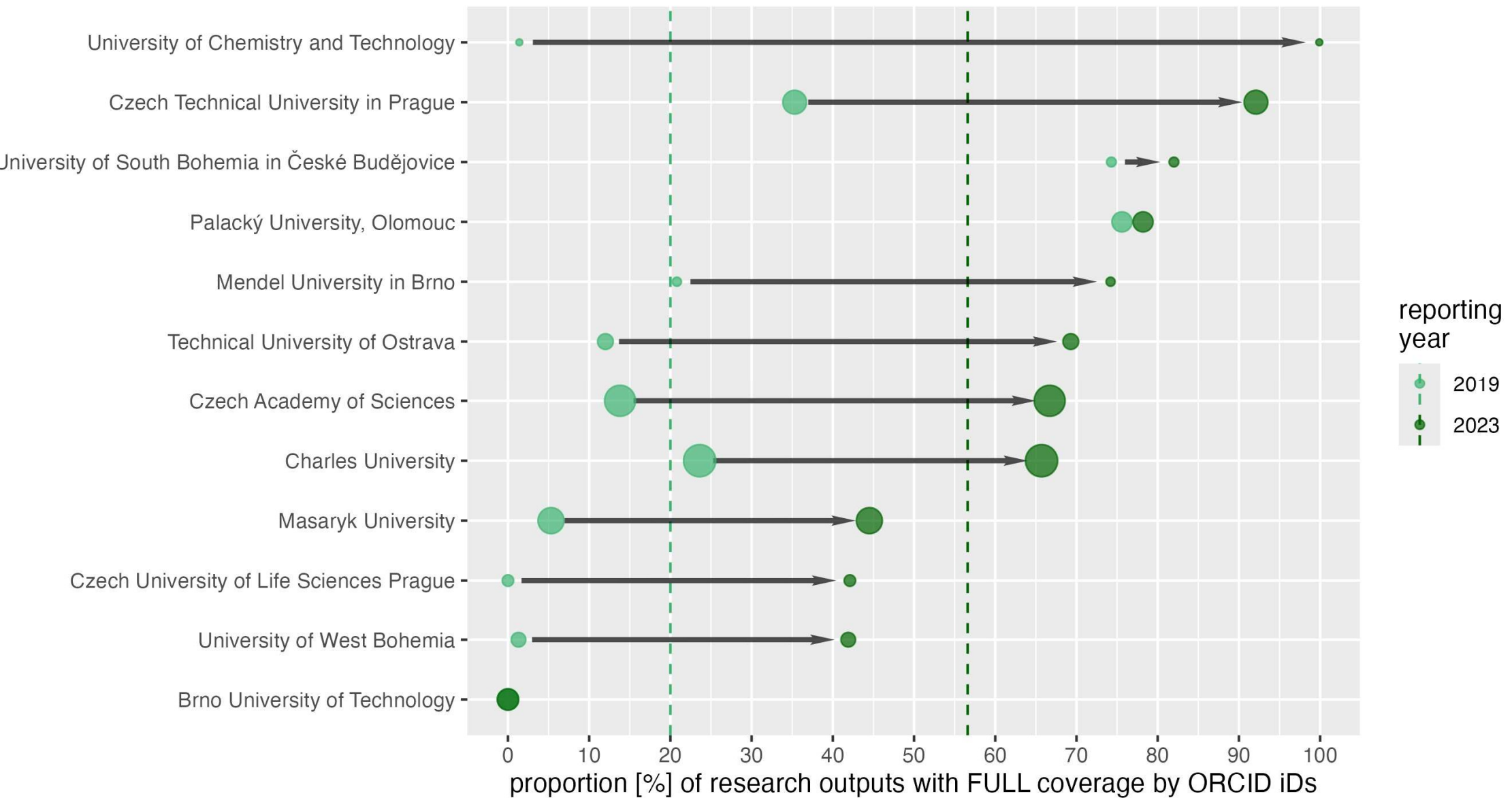
Research outputs reported 2018–2023 internal author coverage with ORCID iDs
Masaryk University (<https://ror.org/02j46qs45> , N = 35122)



Research outputs reported 2018–2023 internal author coverage with ORCID iDs
Palacký University, Olomouc (<https://ror.org/04qxnmv42> , N = 20974)

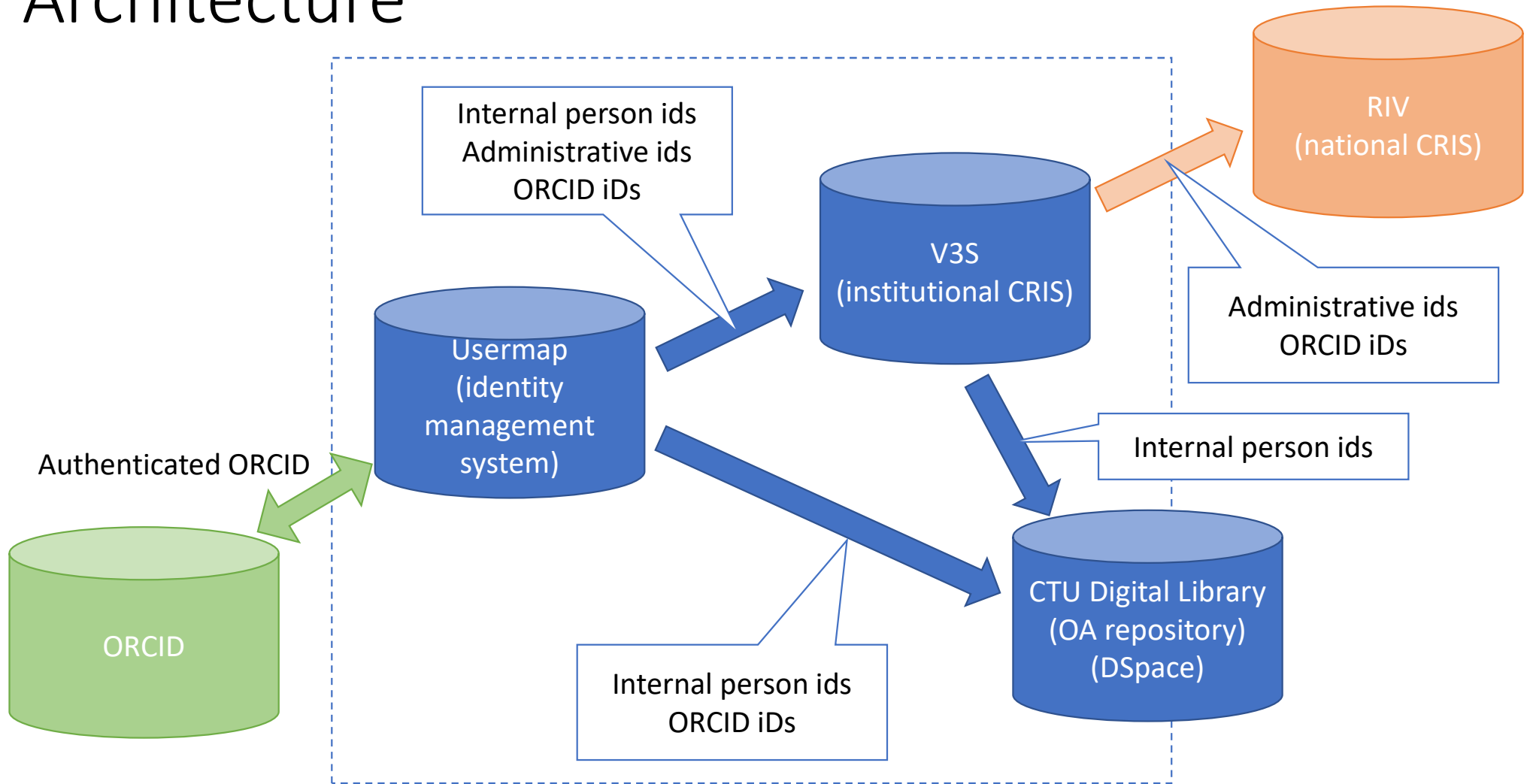


Change in the proportion of research outputs reported with ORCID iDs



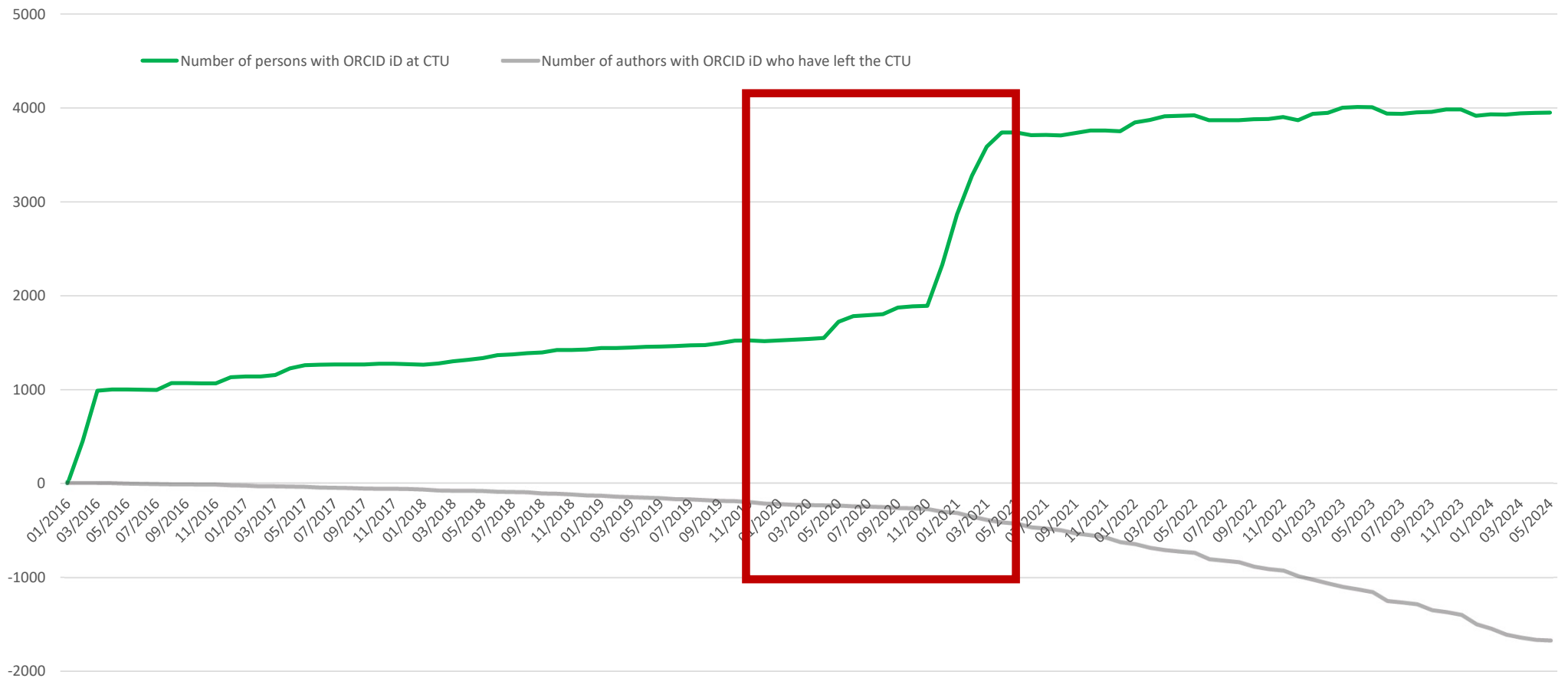
Insider view:
Czech Technical University

Architecture

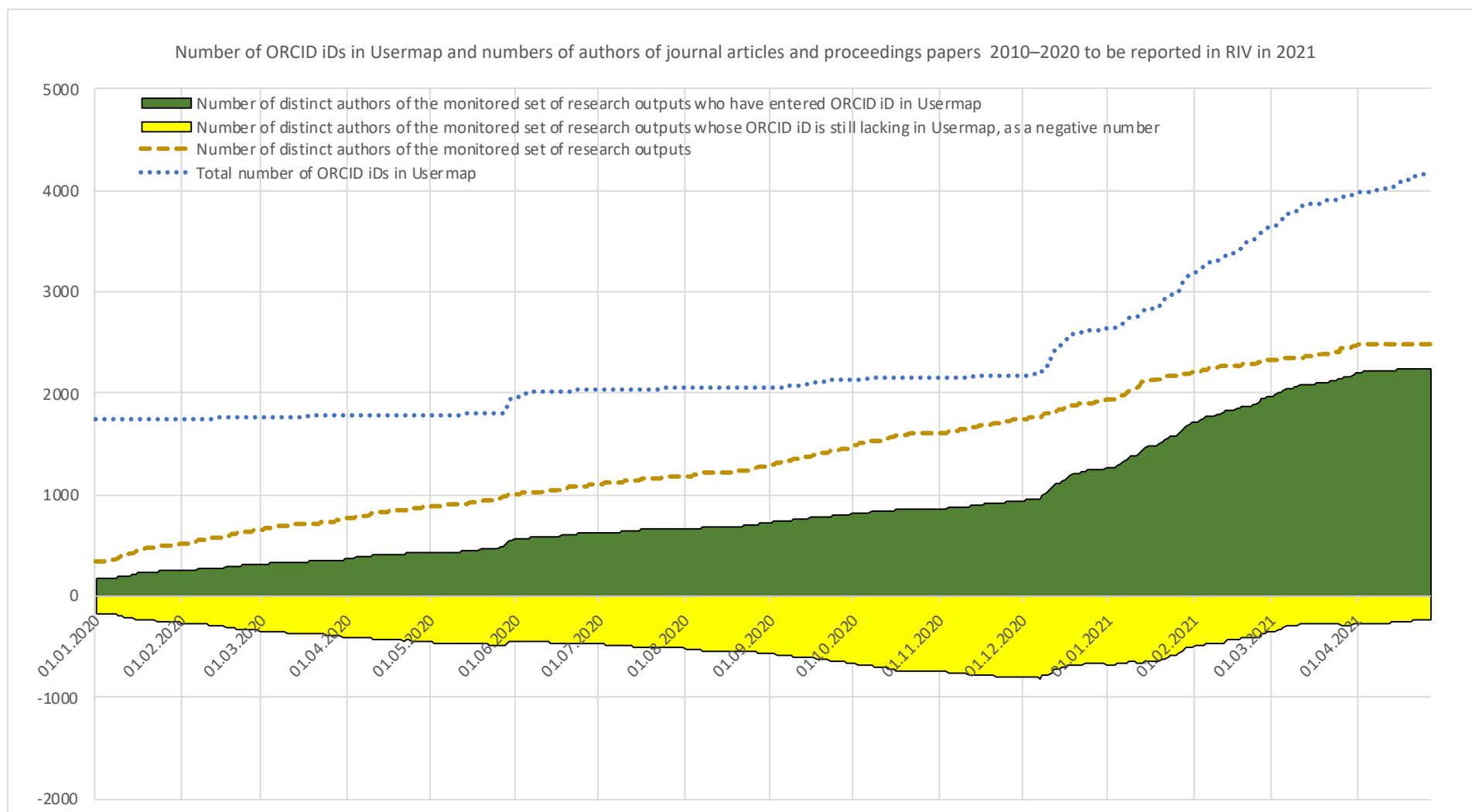


CTU: ORCID member since 2015

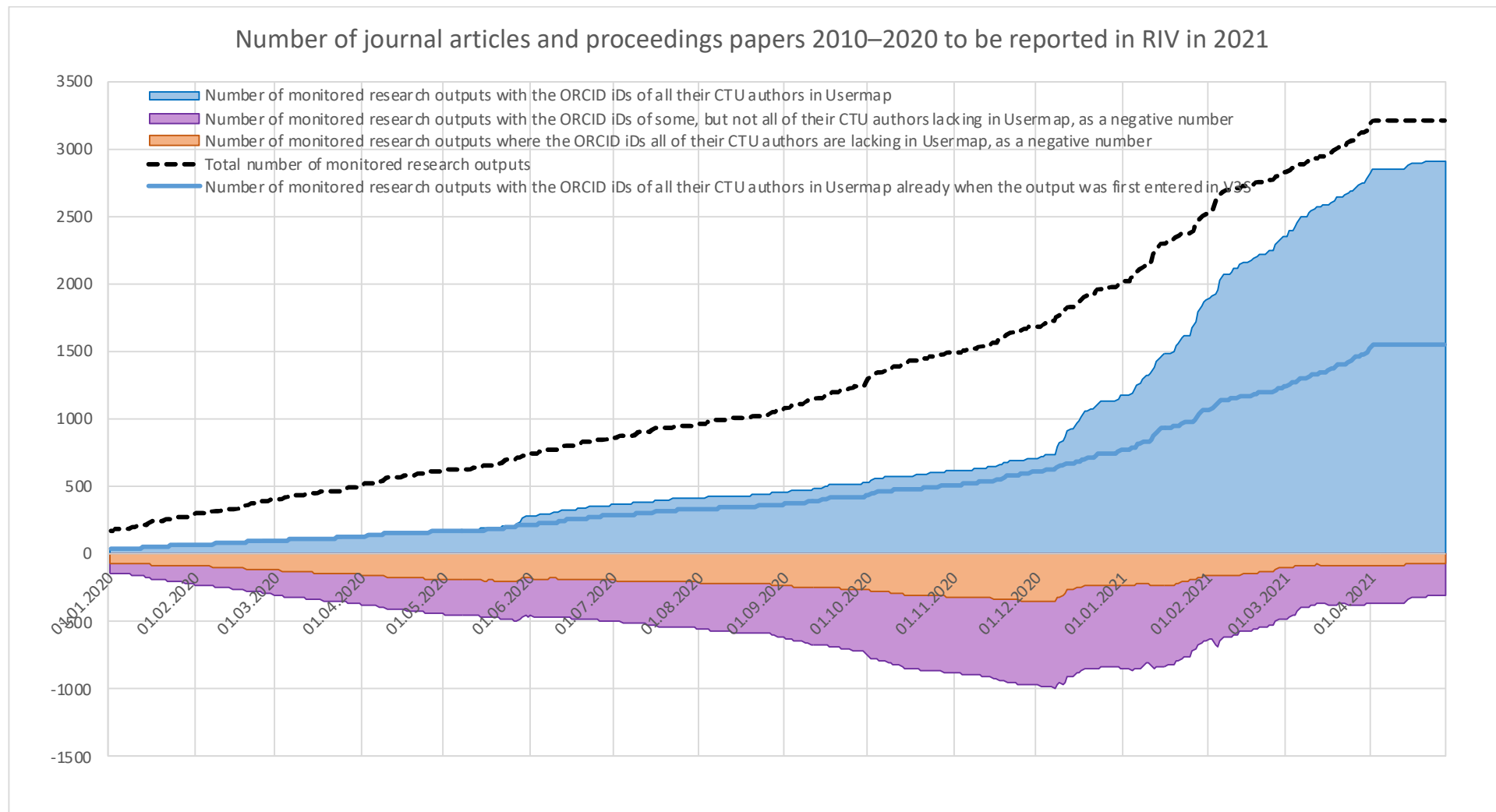
Number of ORCID iDs at the CTU
(May 2024 incomplete)



Monitoring during the research output reporting



Monitoring during the research output reporting

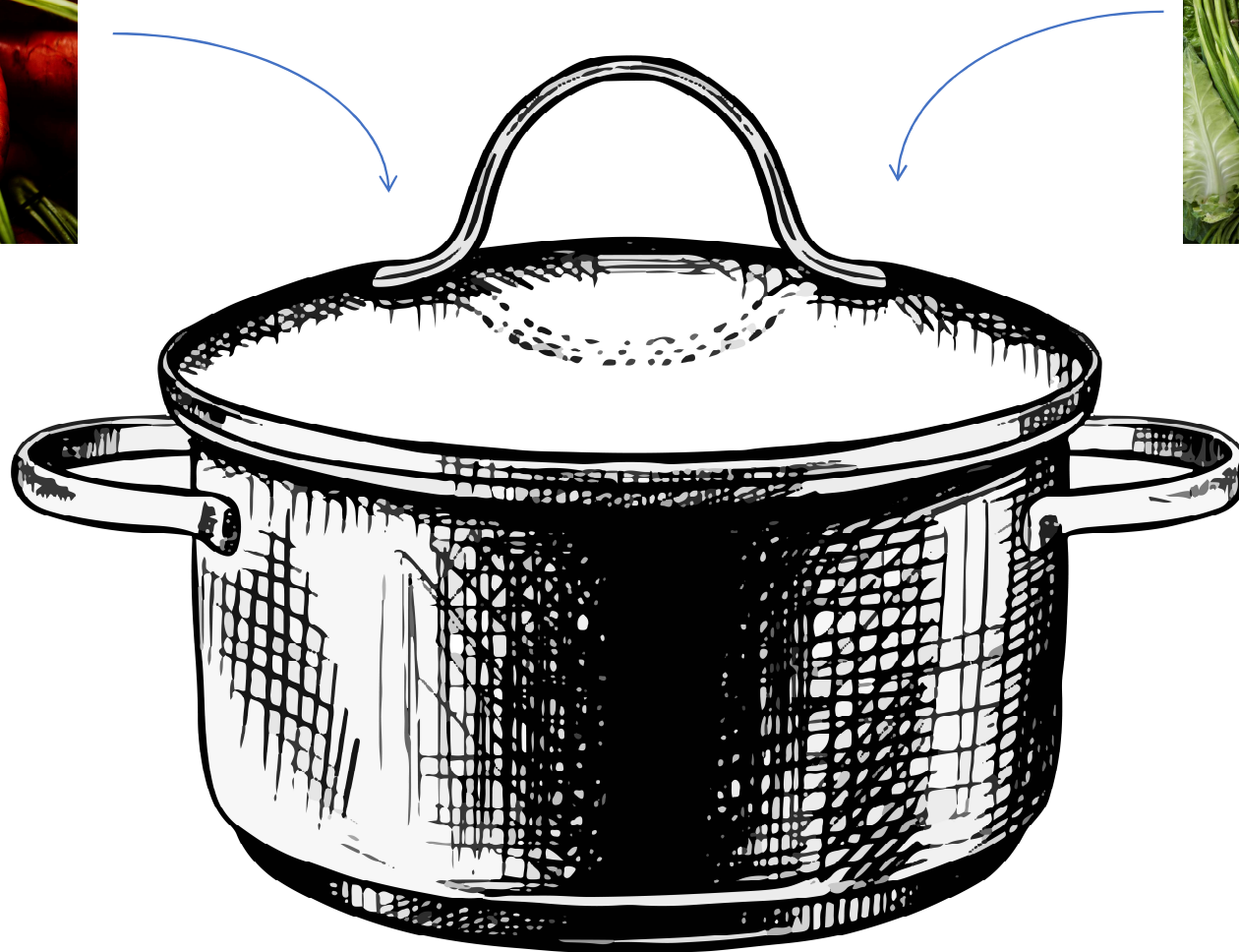


The method

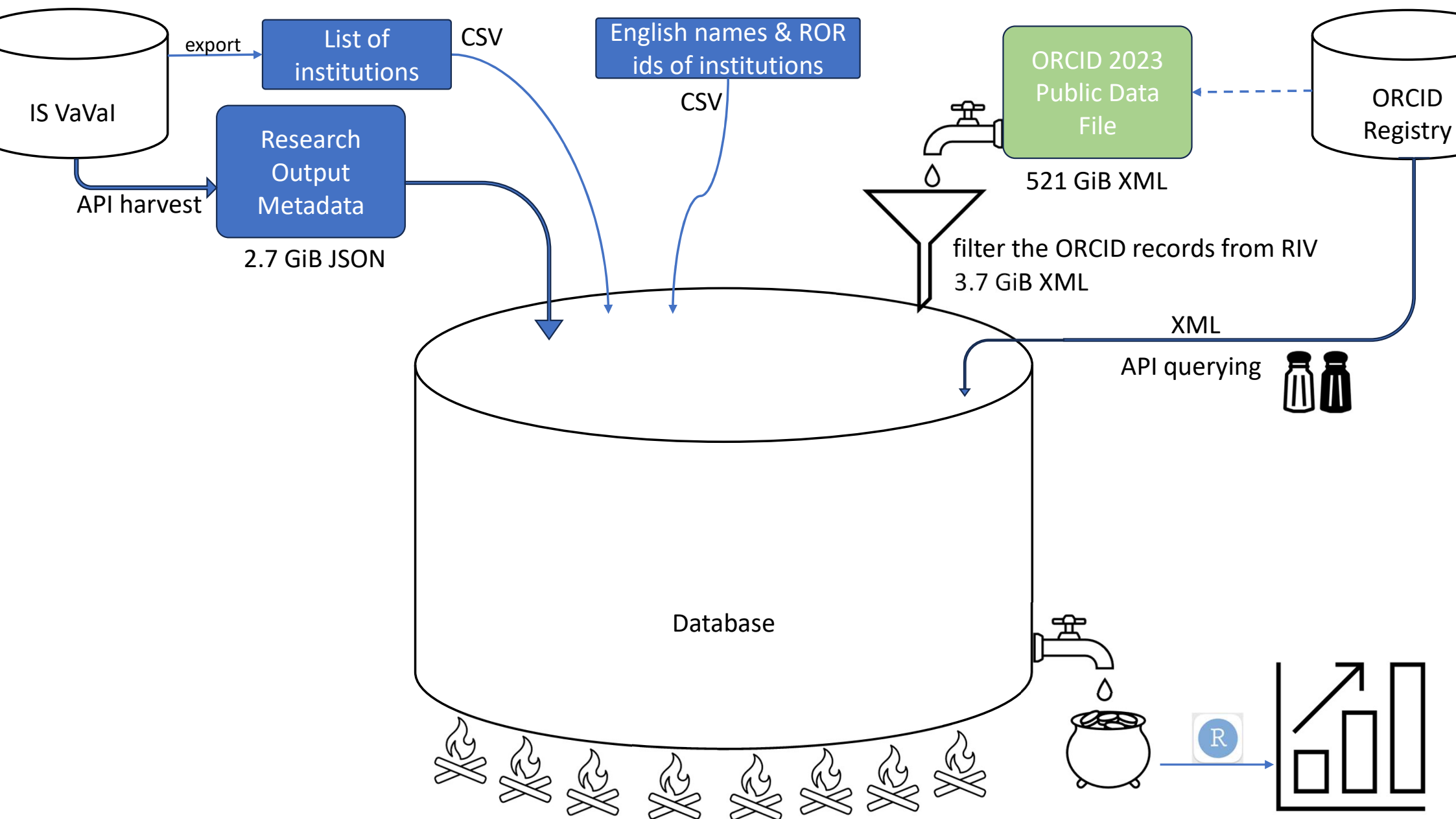


The recipee





[Image by user15245033](#) on Freepik



How many researchers?

Counting researchers

31 260 ORCID iDs that are 1:1 paired with admin ids

30 218 unique
30 183 combinations
30 048 of surname
30 013 and name

On top of that the blurred part:

# ORCID iDs	occurring with # admin ids
3 013	0
177	1
186	2
6	3

+

# admin ids	occurring with # ORCID iDs
53 178	0
333	1
114	2
3	3

+

9 079 unique
9 059 combinations
9 028 of surname
9 006 and name
without
either id

Conclusions

Conclusions

- ORCID adoption in CZ is rising
- Most researchers had their ORCID records already before the reporting requirement came
- Getting the ORCID iDs to the national CRIS is still non-trivial at some institutions
- Even with two identifiers we cannot count the researchers, additional information is needed

Question

Is it OK

if a researcher has more than one **active** ORCID record?