



Erasmus Without Paper in numbers

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University of Warsaw, Poland

15 June 2023





Erasmus+ programme and its business processes



The architecture of the EWP network



Challenges



Tools for monitoring and measuring network operation



Conclusions



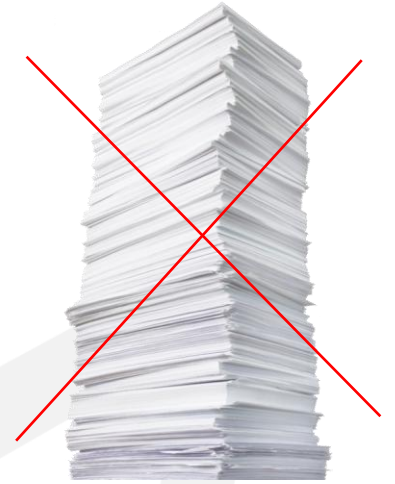


European
Commission





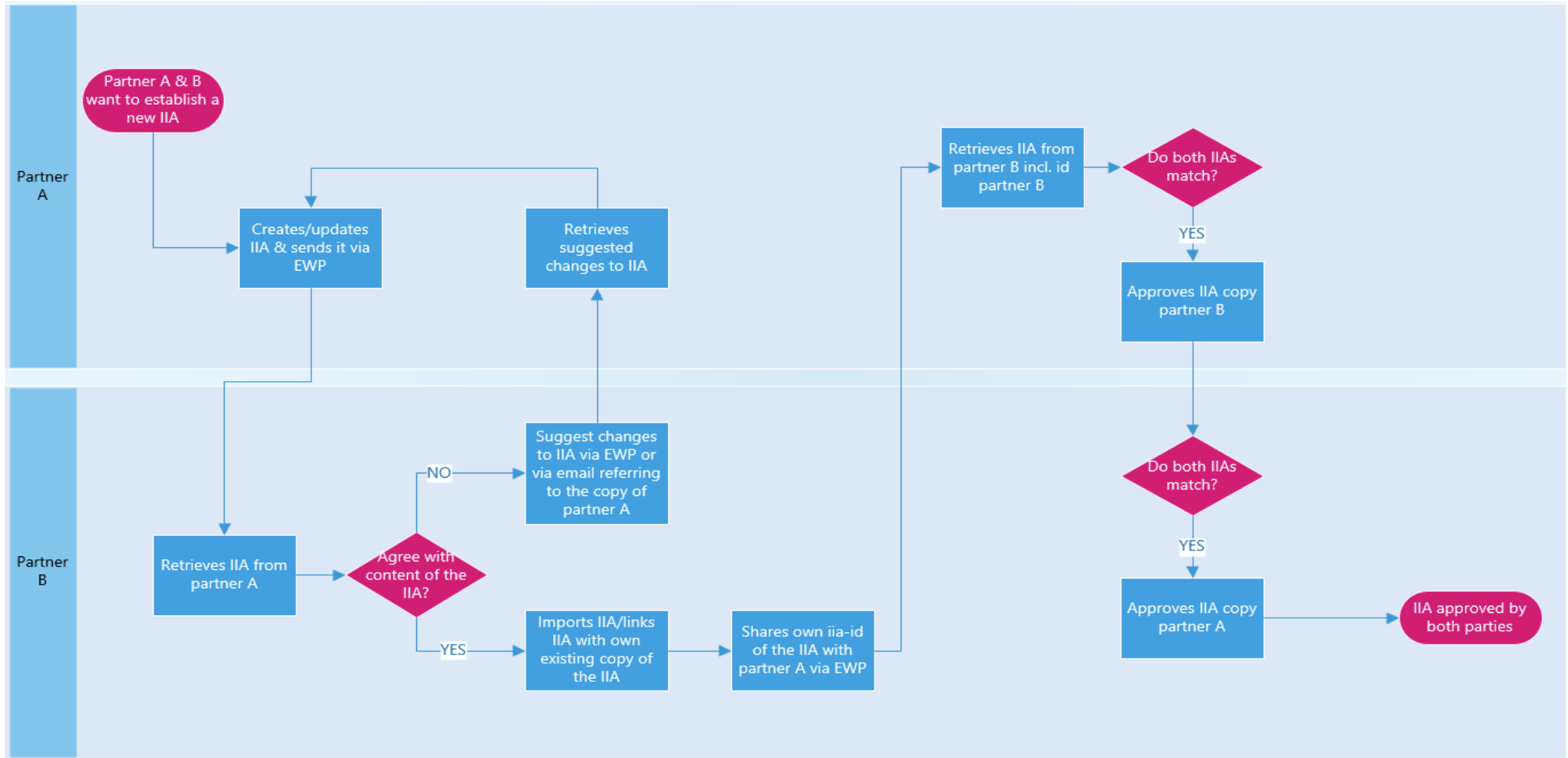
- June 2013: Informal meeting in Ghent to discuss the idea to **digitalise Erasmus** mobility paperwork.
- December 2018: **EWP Network launch conference** in Ghent, **live data exchanges** between different types of systems.
- Call for tender EAC/2020/OP/0008 won by consortium of **10 partners** coordinated by European University Foundation – **financing for years 2022-2024** (with possible extension).
- 2021-2027: Digital transformation one of the **main priorities** of the new Erasmus+ Programme.
- 2022: **European Student Card Initiative**, the European policy umbrella that encompasses EWP, listed by the European Commission Communication on a European strategy for universities as one of the **four flagships** to boost the European dimension in **higher education and research**.





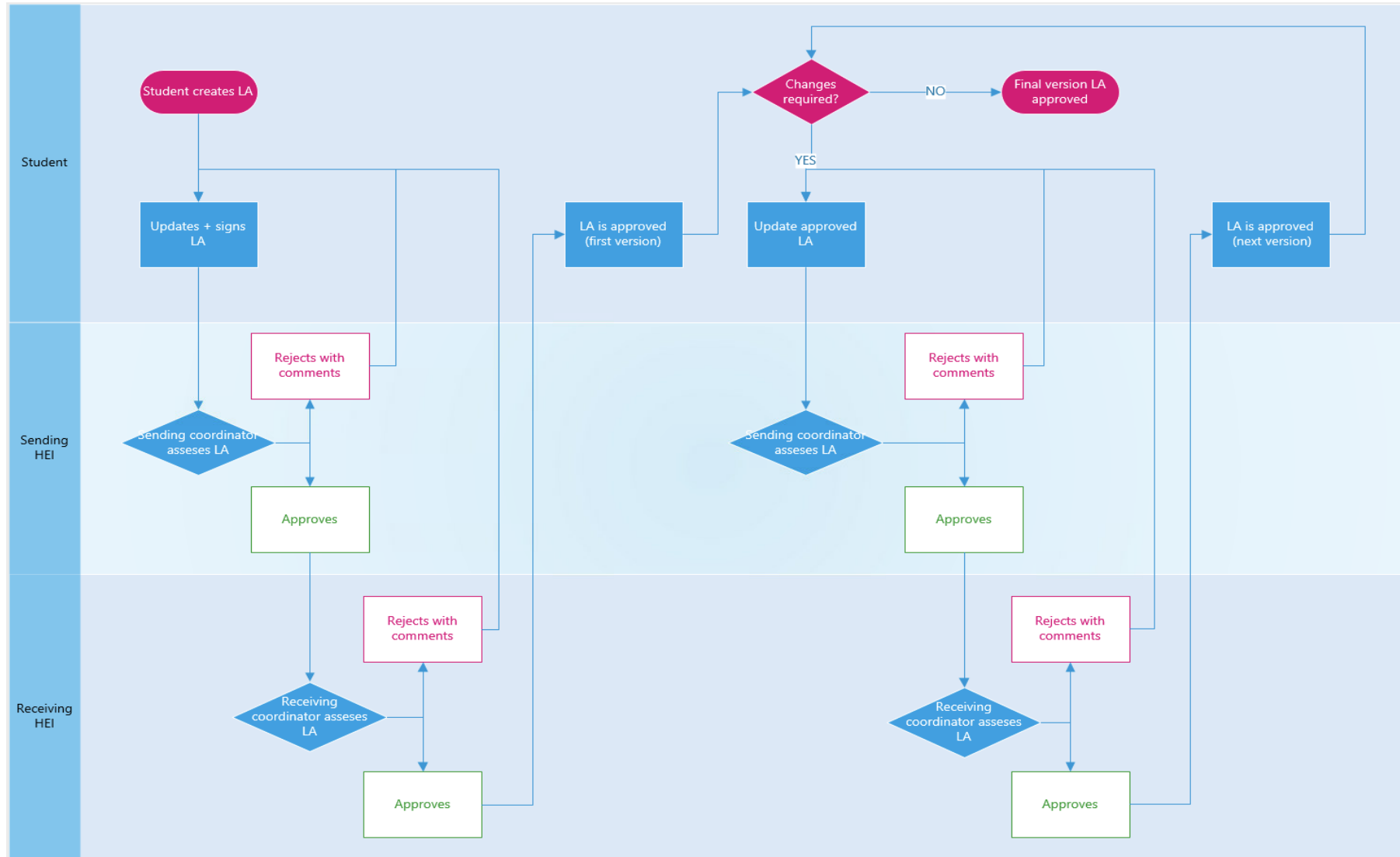
- ✈ Digitalisation of processes scheduled for **2022**
 - ✈ Interinstitutional Agreements (IIAs)
 - ✈ Learning Agreements (LAs)
- ✈ Digitalisation of processes scheduled for **2023**
 - ✈ Nominations
 - ✈ Transcripts Of Records
- ✈ Next years
 - ✈ Further digitalizing Erasmus+ mobility processes
- ✈ **Plans** versus **reality**
- ✈ Challenges





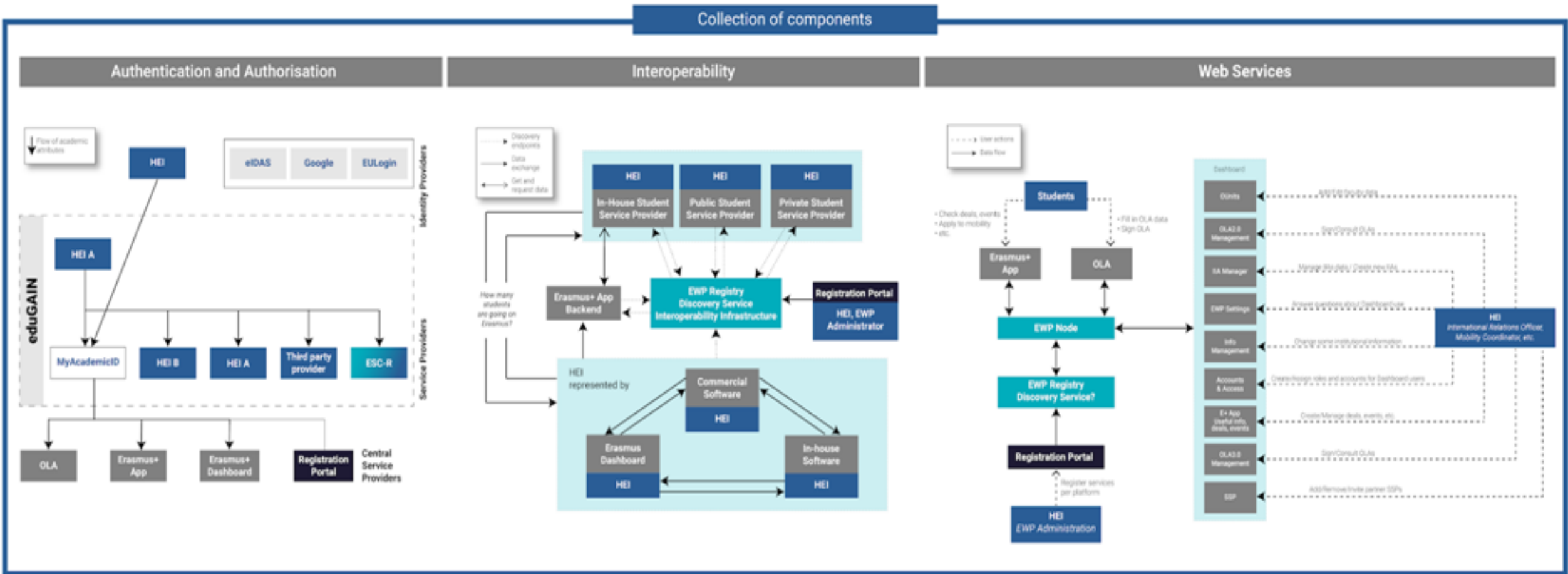
The graph has been developed under the EWP+ initiative





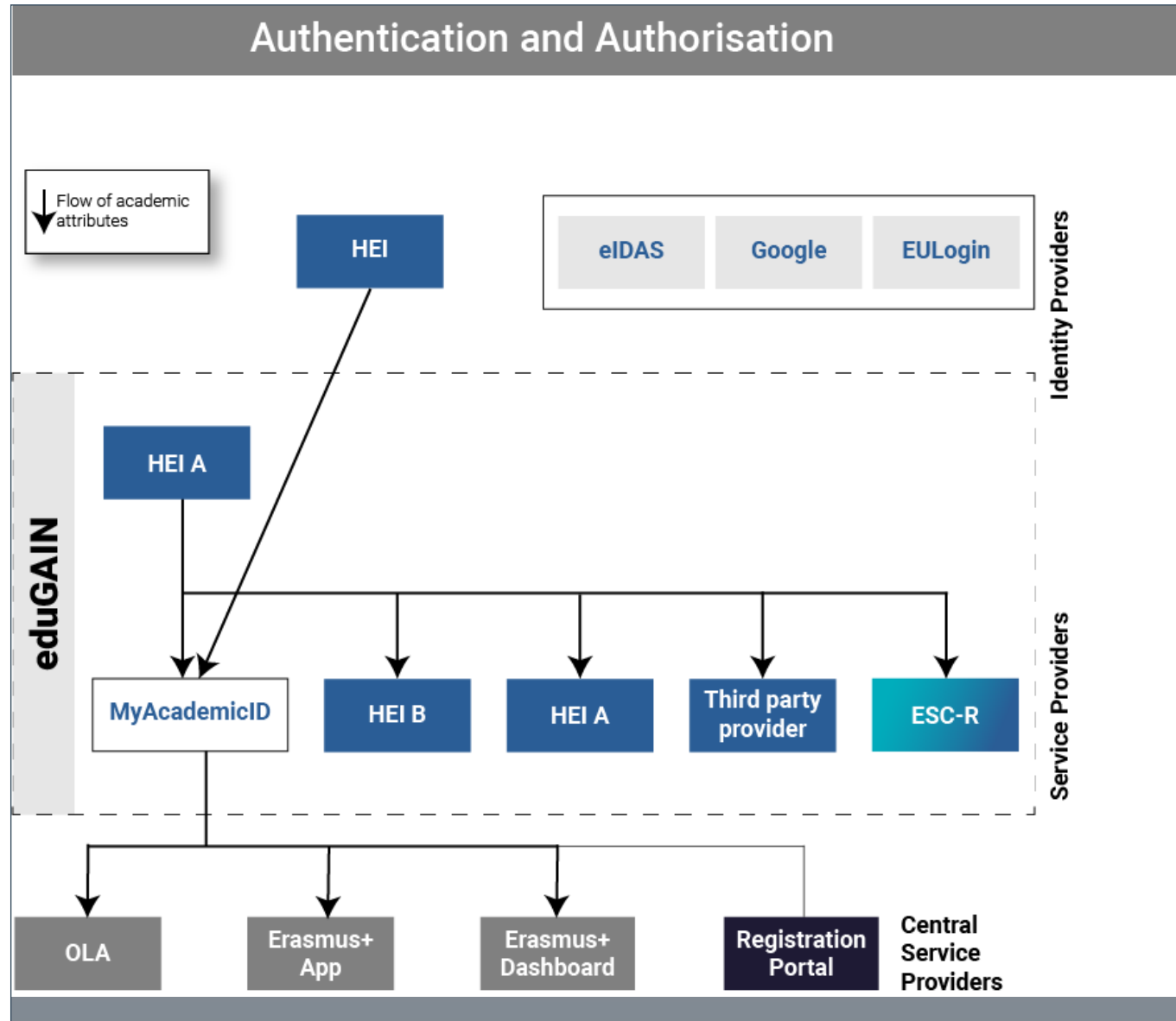
The graph has been developed under the EWP+ initiative

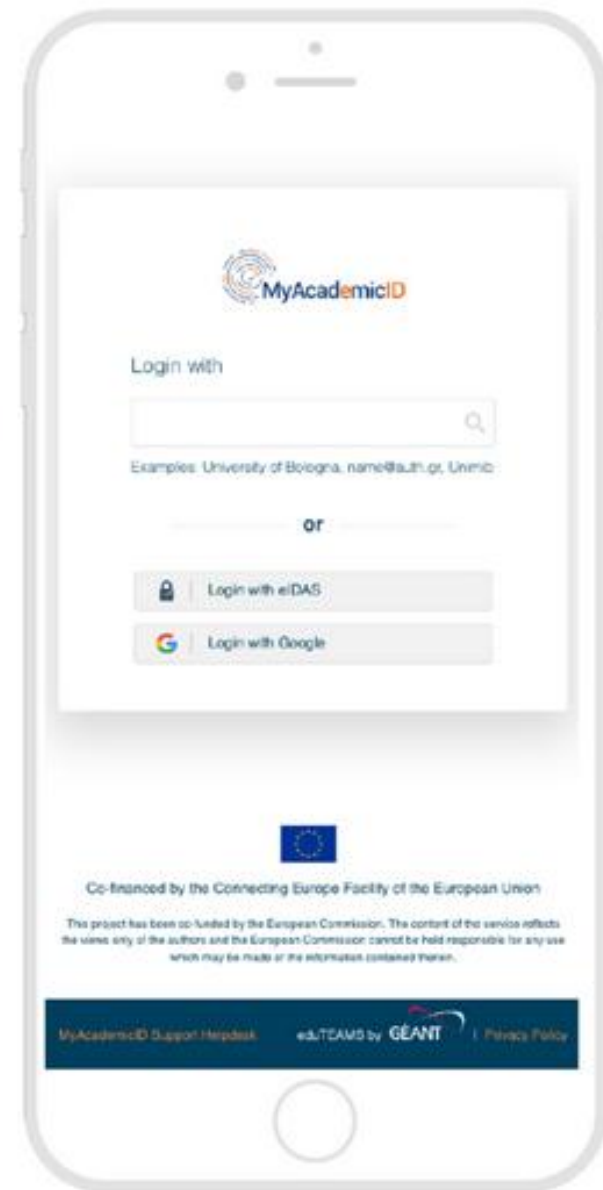
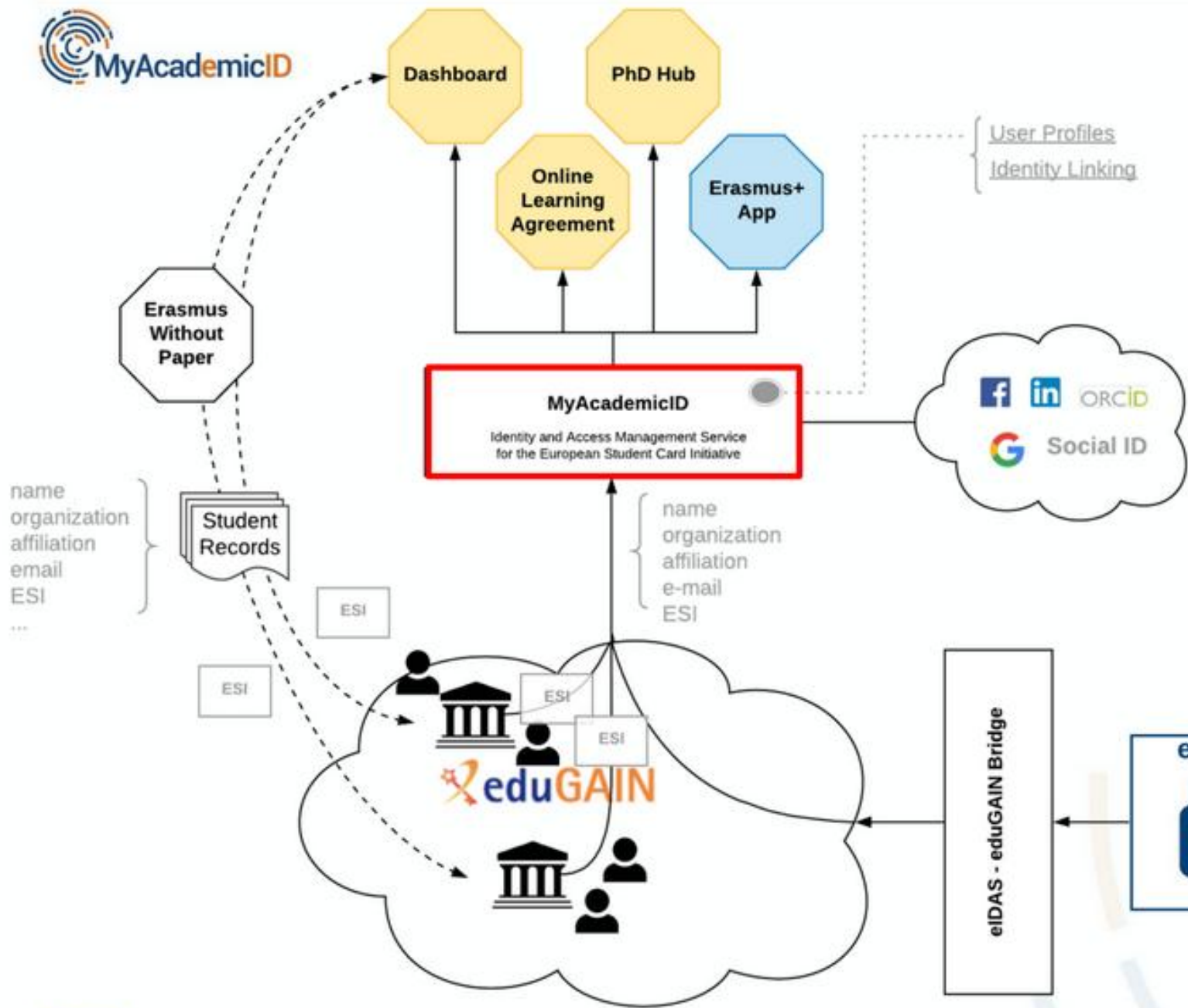




The architecture graph has been developed under the EDSSI project

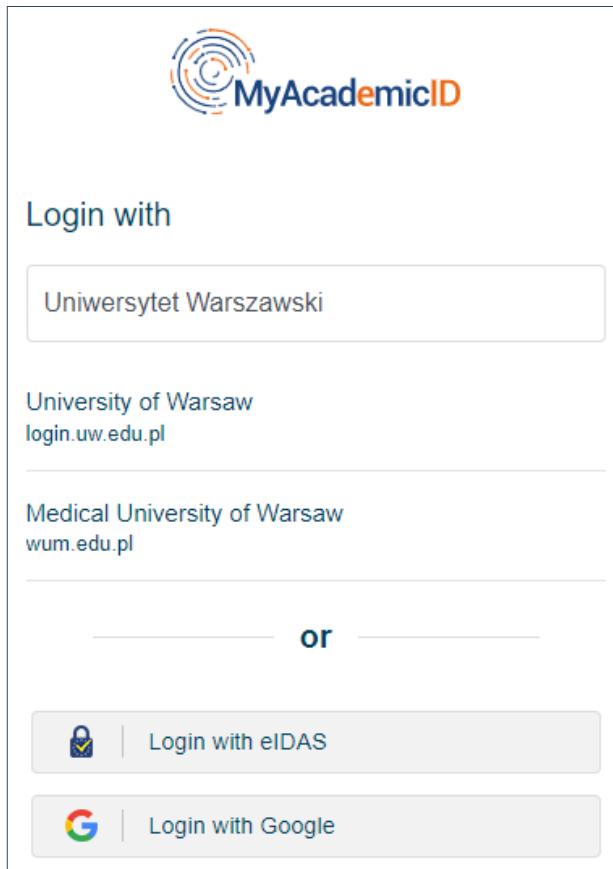






Registration portal – EWP admin

<https://registrationportal.erasmuswithoutpaper.eu/>



MyAcademicID

Login with

Uniwersytet Warszawski

University of Warsaw
login.uw.edu.pl

Medical University of Warsaw
wum.edu.pl

or

Login with eIDAS

Login with Google



UNIWERSYTET
WARSZAWSKI

Identyfikator:
.....

Hasło:
.....

Ukryj mój identyfikator

ZALOGUJ

[zapomniane hasło](#) | [nowe konto](#) | [lista serwisów](#) |
[o tej stronie](#) | [english version](#)

Success

Failure

403 Access denied/Forbidden

Sorry, but you don't have permission to access this page. If you feel this is a mistake and you should have access to this page, please contact the site administrator.

[Go back to main page](#)



Attribute Consent

Attributes Options

You are logging in to external service using Central Authentication System of the University of Warsaw.

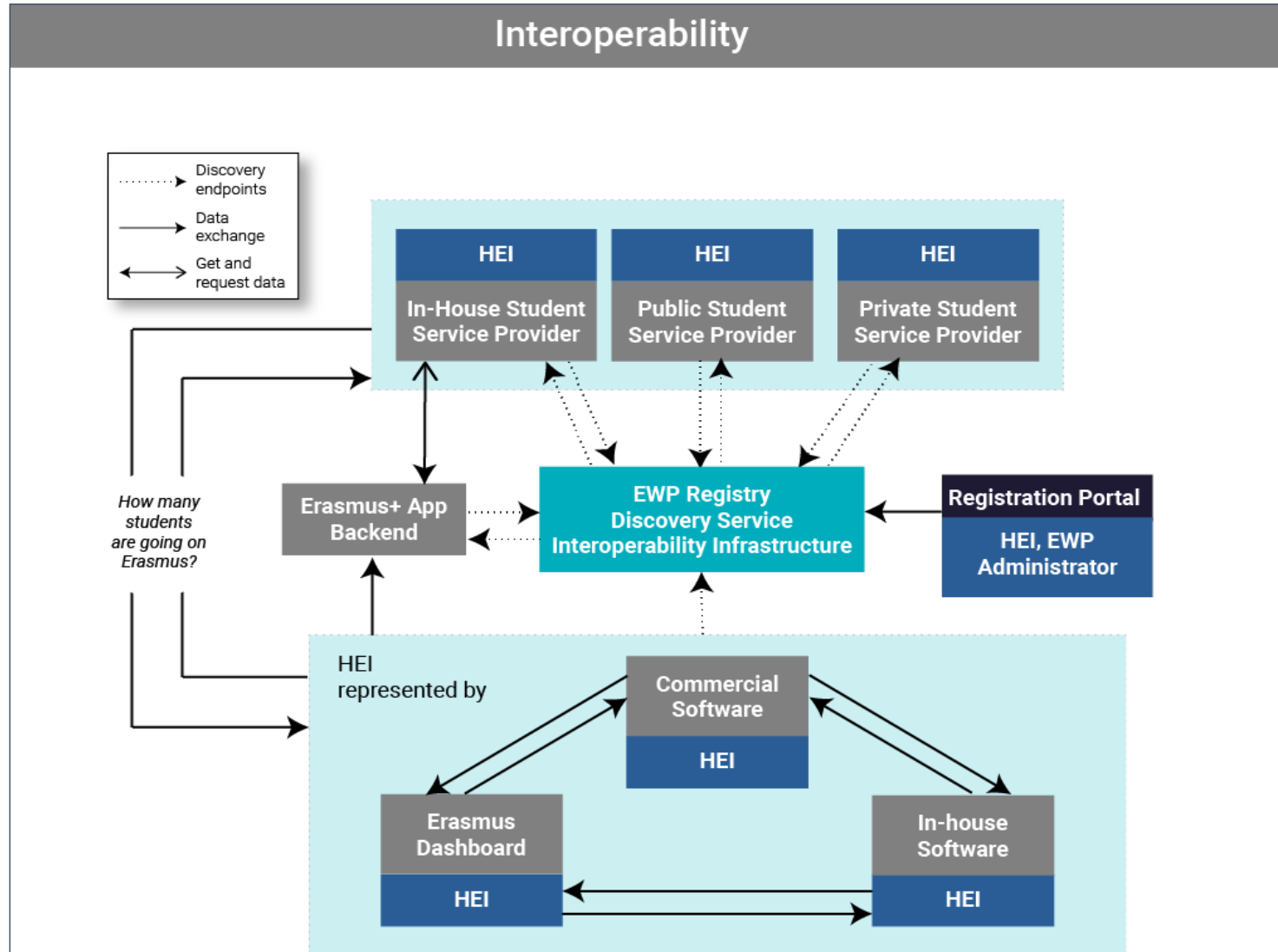
The terms of service are available at
<https://it.uw.edu.pl/en/uslugi/UslugiMojLoginCAS>

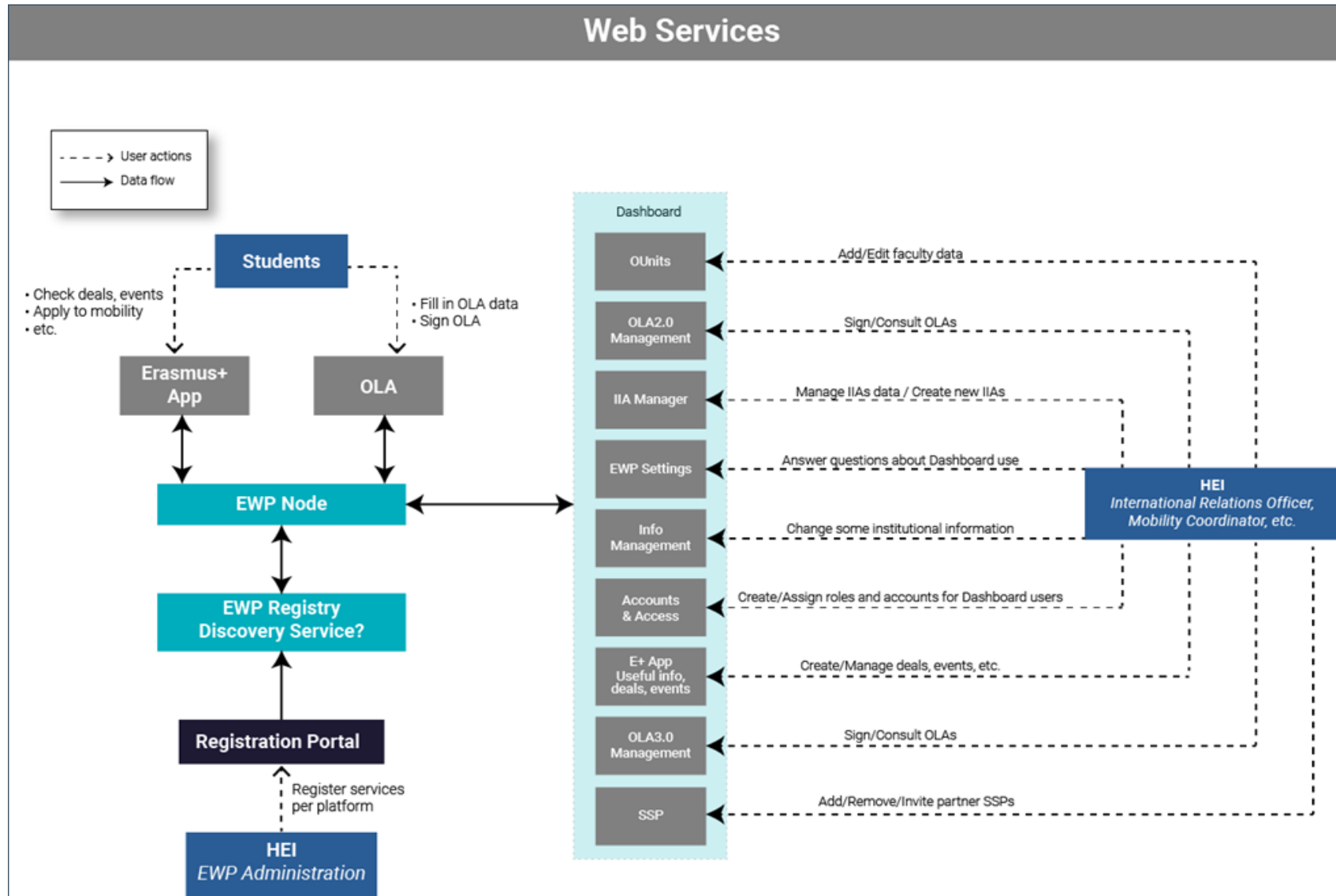
The service you are trying to log in to will receive the following attributes:

Attribute	Value(s)
E-mail	J.Hincer-Deszkiewicz@nimuw.edu.pl
SCHAC home organization	uw.edu.pl
Affiliation	faculty
Targeted ID/Persistent ID	binahbdtemr11ao77zdb9000e@login.uw.edu.pl
Principal name	binahbdtemr11ao77zdb9000e@login.uw.edu.pl
urn:oid:1.3.6.1.4.1.5929.1.1.1.7	urn:geant:erasmuswithoutpaper.eu:exp:admin
Scoped affiliation	faculty@login.uw.edu.pl
Unique ID	binahbdtemr11ao77zdb9000e@login.uw.edu.pl
Home organization	uw.edu.pl
Home organization type	university
Display name	Janina Hincer-Deszkiewicz
Common name	Janina Hincer-Deszkiewicz
Surname	Hincer-Deszkiewicz
Given name	Janina

CONFIRM

CANCEL





Online Learning Agreement

Outgoing Students

karaoglanoglou@gmail.com



My University

OLA

- Outgoing Students
- Incoming Students
- Upload

Short Term

Applications

IIA

Erasmus+ App

Total Agreements: 246

Active Filters:

FILTERS

STUDENT FIRSTNAME	STUDENT LASTNAME	START MOBILITY	END MOBILITY	STATUS	RECEIVING INSTITUTION
mikeFirst	mikelast	2021-05-20	2021-06-20	Unsigned	European University Foundation - Brussels office
mikeFirst	mikelast	2021-05-20	2021-06-20	Unsigned	European University Foundation - Brussels office
mikeFirst	mikelast	2021-05-20	2021-06-20	Unsigned	European University Foundation - Brussels office
mikeFirst	mikelast	2021-05-20	2021-06-20	Unsigned	European University Foundation - Brussels office
mikeFirst	mikelast	2021-05-20	2021-06-20	Unsigned	European University Foundation - Brussels office

Applications for Erasmus+ Outgoing Students

- My University ▼
- OLA ▼
- Short Term ▼
- Applications ▲
 - 📍 Outgoing Students
 - 📍 Incoming Students
 - ☰ Requirements
- IIA ▼
- Erasmus+ App ▼

APPLICATION INFO

ID	STATUS	ACADEMIC YEAR	ACADEMIC TERM	SUBMISSION TIME
0b2648bc-469d-4b92-821c-0b0b457c0ff2	Submitted	2022/2023	2022/2023	17/10/2022, 13:42 EEST



General Info Documents

STUDENT INFO

NAME	EMAIL	STUDY LEVEL	STUDY FIELD
Test Test	test@email.com	Master's degree	Music and performing arts

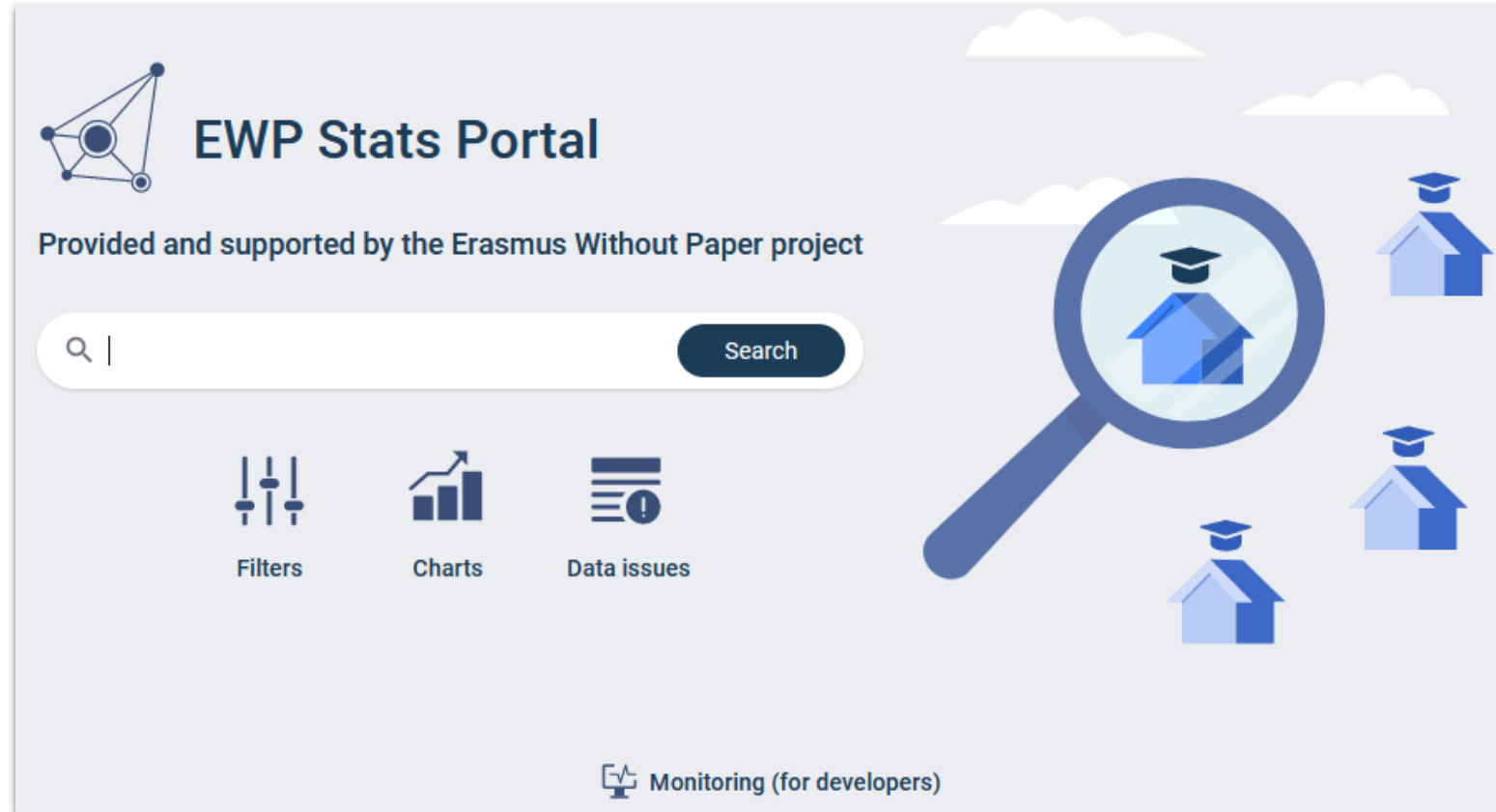
DESTINATION HEIs

INSTITUTION / FACULTY	AVAILABLE SPOTS	NOMINATED STUDENTS	DURATION	
European University Foundation - Brussels office	test Institution Faculty test	10	Faculty test Faculty test	✓ NOMINATE ▼
European University Foundation - Brussels office	test Institution Faculty test	10	Faculty test Faculty test	✓ NOMINATE ▼



- ✈ In an open network of trust, the individual nodes are responsible for the **diligence** about their **implementation**.
- ✈ Implementation issues **prevent interoperability** and had a **negative spill-over** to end users.
- ✈ Enhancements of **central** network **components** are under control of the body operating the infrastructure.
- ✈ Implementation by **third-party providers and in-house solutions** are an external factor difficult to control.
- ✈ Different options to address this challenge were discussed with all involved parties.
- ✈ Counter measures were implemented.





EWP Stats portal: <https://stats.erasmuswithoutpaper.eu/>

Based on ECHE List API : <https://eche-list.erasmuswithoutpaper.eu>





Number of ECHE Holders	5424
Number of countries	33
Number of providers	49
IIA - Connected	2695
IIA - Exchanging	2493
Outgoing LA - Connected	2502
Outgoing LA - Exchanging	1965
Incoming LA - Connected	2488
Incoming LA - Exchanging	1946

Country	Number of Providers
Spain	15
Belgium	9
Czechia	8
Austria	6
Italy	6
Portugal	6
France	5
Netherlands	5
Finland	4
Germany	4
Poland	4
Sweden	4
Denmark	3
Hungary	3
Ireland	3
Norway	3
Slovakia	3
Slovenia	3
Turkiye	3

Provider	Number of Countries	Number of HEIs
EWP Dashboard	32	2294
Mobility-Online	21	294
QS MoveON	13	199
KION	1	40
CINECA Consorzio Interuniversitario	1	38
MUCI	1	38
SoleMove	5	29
SIGMA Gestión Universitaria, AIE	1	15
CACI	1	13
University of West Bohemia	1	12
ErasmusJET	1	11
Digitalis Informatica, Lda	1	7
Be Smart s.r.l.	1	6
University of Almería	1	6
IS4U	2	4
Masaryk University	1	4
Cantieri Informatici Srl	1	3
XWS	1	3
Hasselt University ISA	2	2
Fachhochschule Kufstein Tirol	1	2





Top 10 HEIs with the highest number of approved IIAs

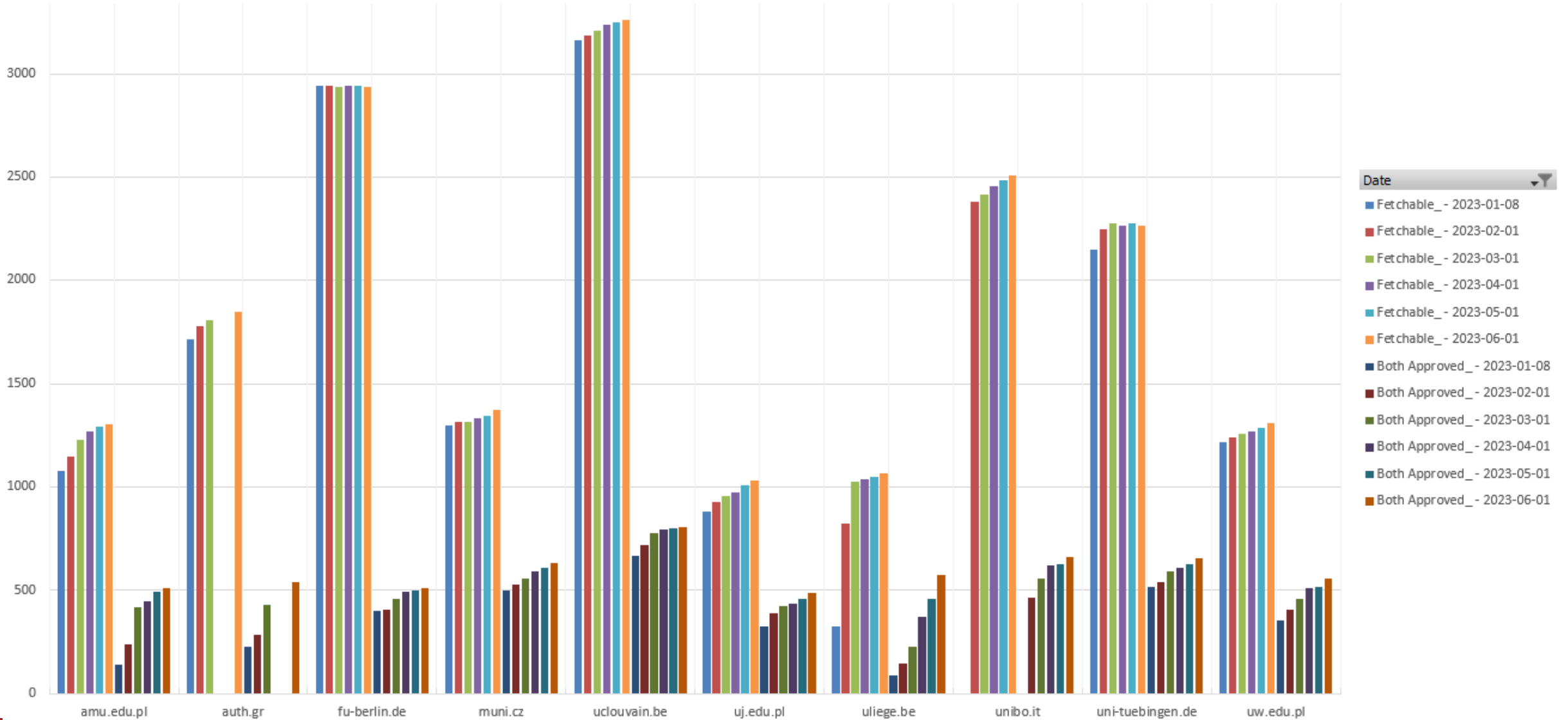
HEI	Provider	Approved	Total	Approval Rates
Universite Catholique de Louvain	Mobility-Online	809	3263	24,79%
University of Bologna	University of Bologna	661	2507	26,37%
Eberhard Karls Universitaet Tuebingen	Mobility-Online	657	2267	28,98%
Masarykova Univerzita	Masaryk University	631	1372	45,99%
Universite de Liege	University of Liège	576	1065	54,08%
Uniwersytet Warszawski	MUCI	557	1309	42,55%
Aristotelio Panepistimio Thessalonikis	Aristotelio Panepistimio Thessalonikis	540	1849	29,20%
Freie Universitaet Berlin	QS MoveON	514	2937	17,50%
Uniwersytet im. Adama Mickiewicza w Poznaniu	MUCI	513	1302	39,40%
Uniwersytet Jagielloński	MUCI	490	1035	47,34%

Top 10 HEIs with the highest number of approved Outgoing LAs

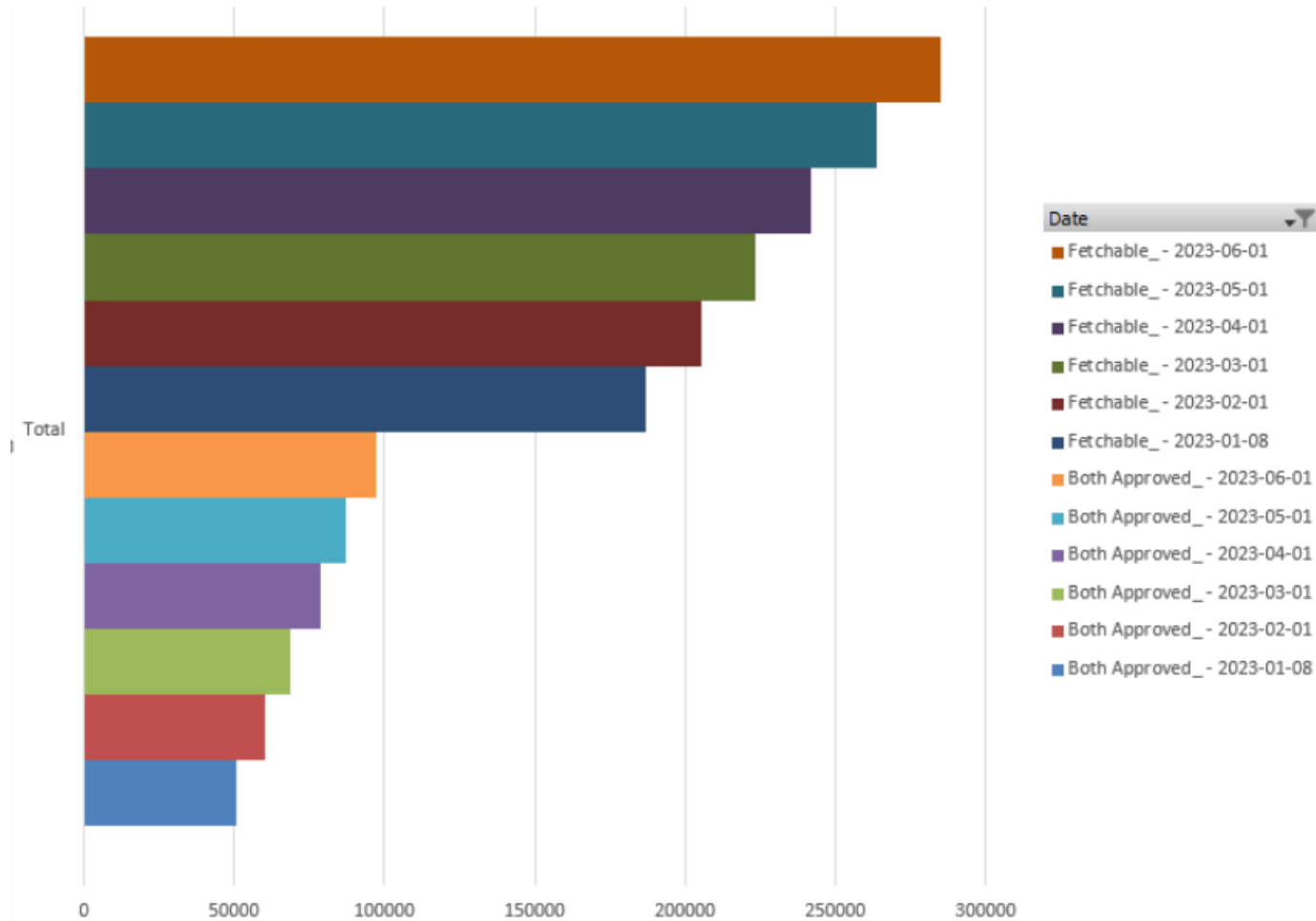
HEI	Provider	Approved	Total	Approval Rates
Universitat de Barcelona	Mobility-Online	1399	1928	72,56%
Vysoka Skola Ekonomicka v Praze	EWP Dashboard	982	2292	42,84%
Masarykova Univerzita	Masaryk University	893	1877	47,58%
Universidad Politecnica de Madrid	EWP Dashboard	863	3283	26,29%
Technische Universitaet Muenchen	EWP Dashboard	851	2248	37,86%
Albert-Ludwigs-Universitaet Freiburg	Mobility-Online	826	1024	80,66%
Universitat Wien	Mobility-Online	825	1473	56,01%
Rheinisch-Westfaelische Technische Hochschule Aachen	EWP Dashboard	811	2341	34,64%
Rijksuniversiteit Groningen	Mobility-Online	779	898	86,75%
Eotvos Lorand Tudomanyegyetem	EWP Dashboard	750	2111	35,53%



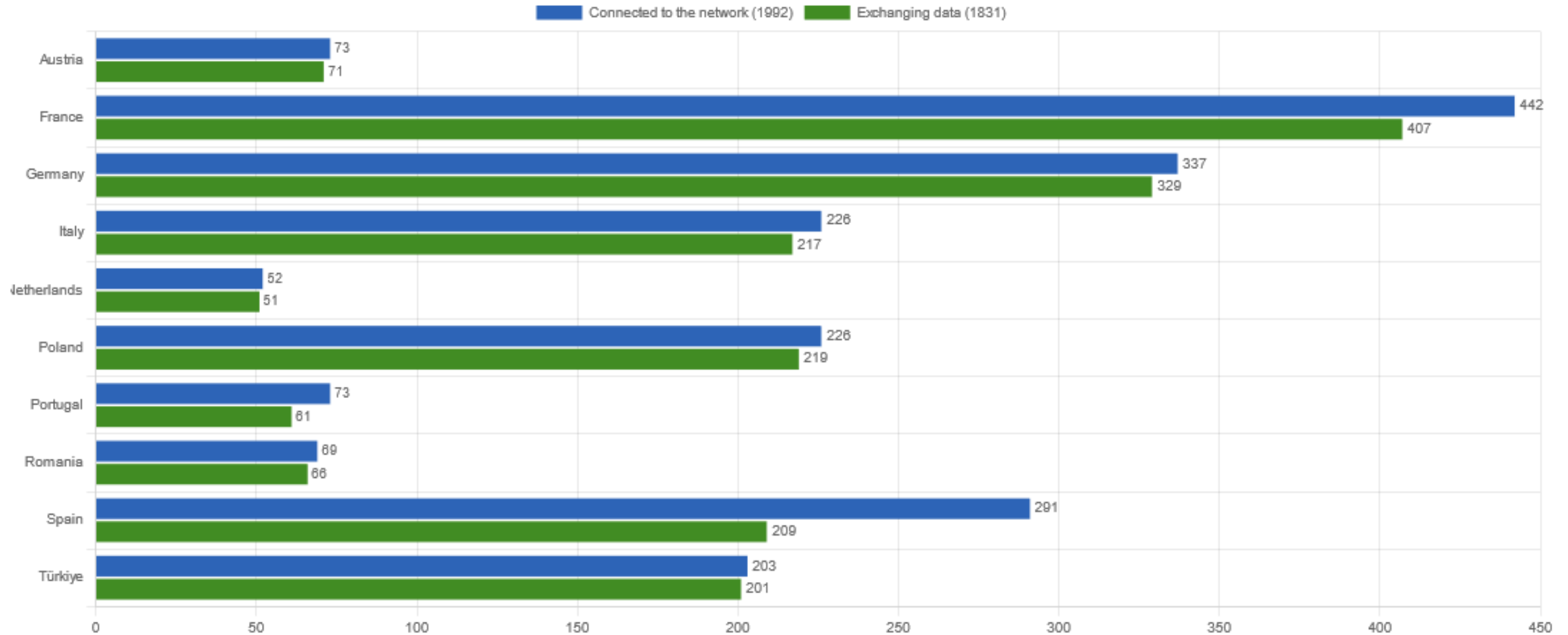
Numbers of IIAs in two categories for top ten HEIs between January–June 2023



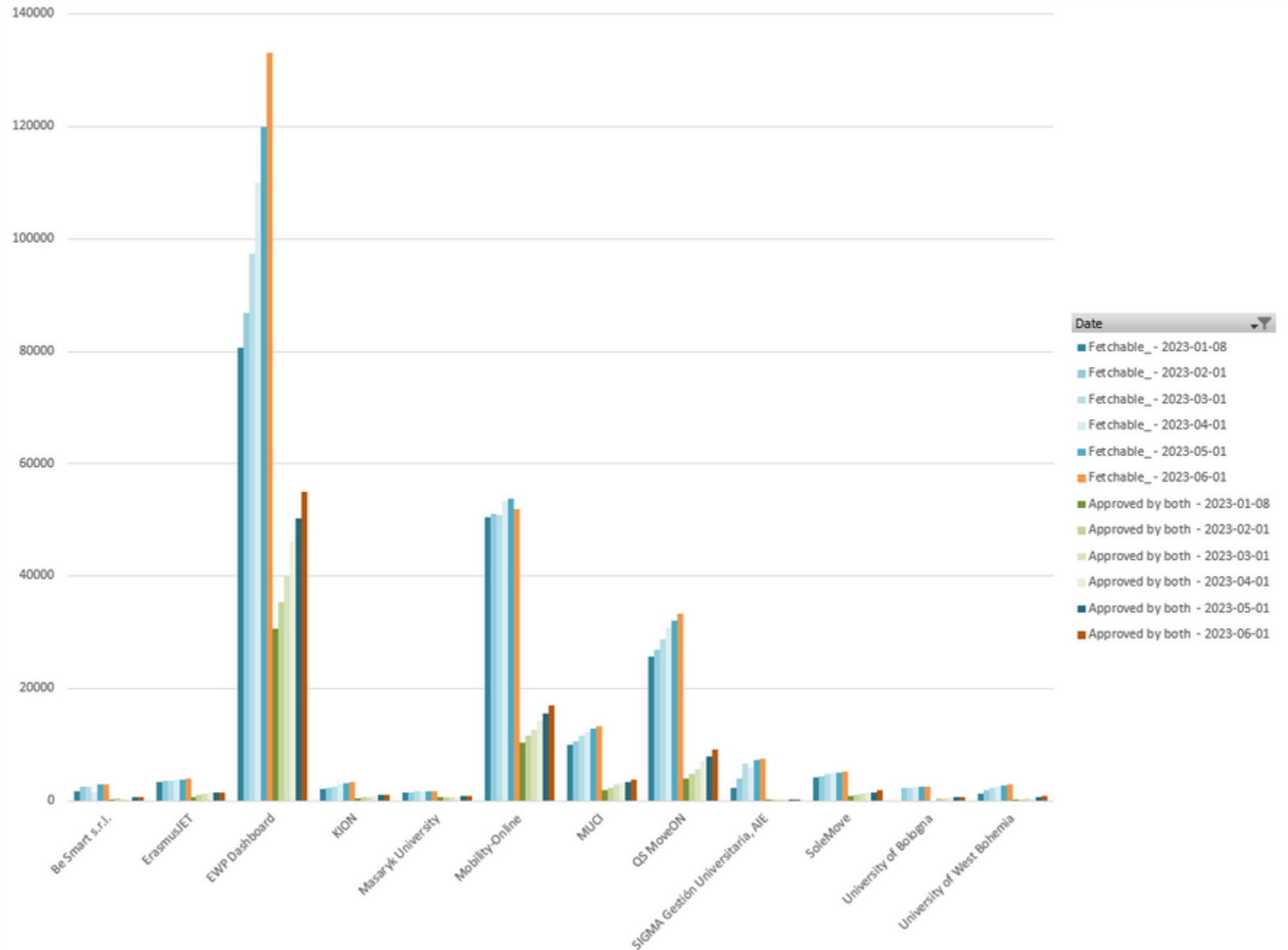
Total numbers of IIAs in two categories between January-June 2023



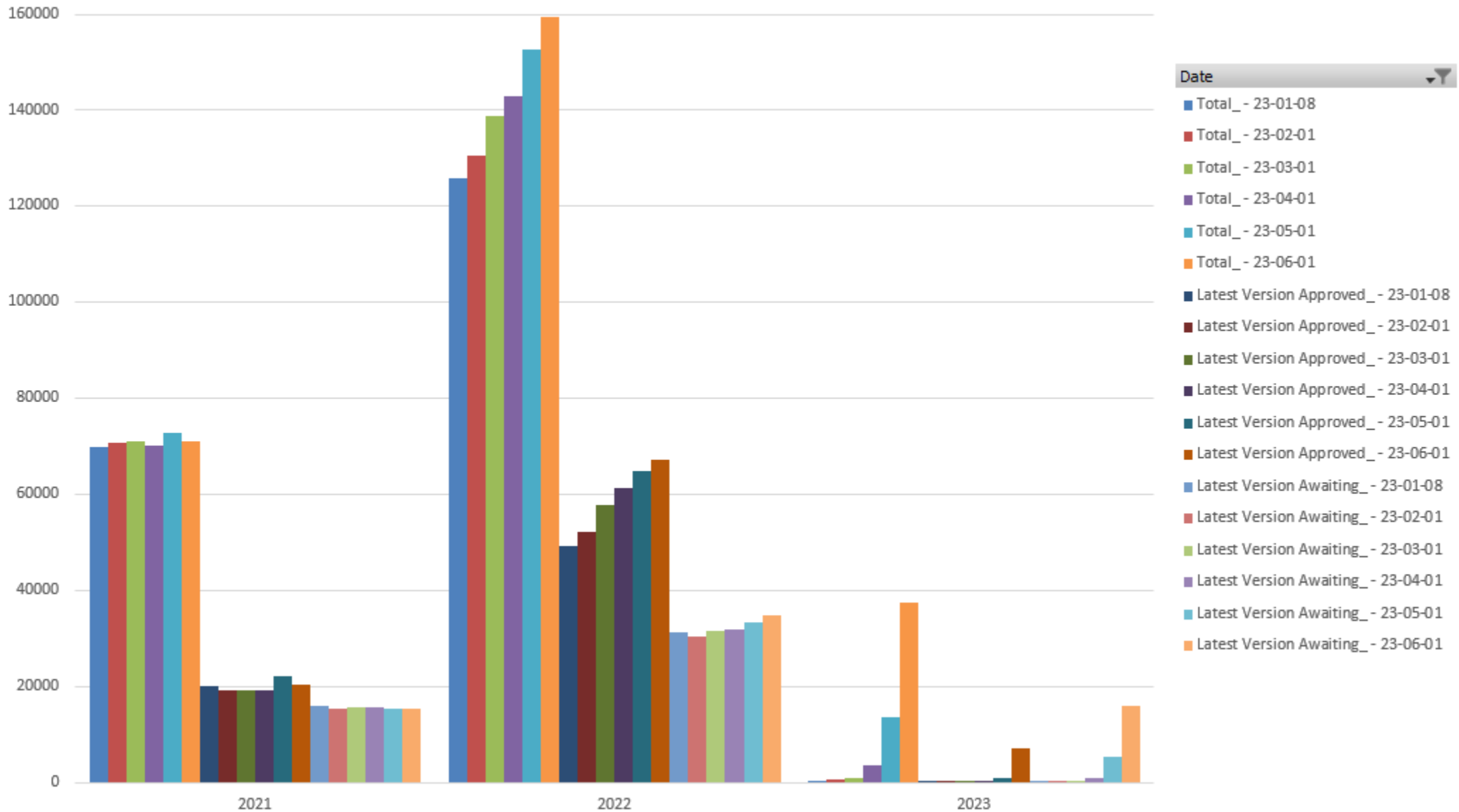
Top ten countries in the number of institutions connected to the network/exchanging data for IIAs in June 2023



Numbers of IIAs in two categories for the largest providers between January-June 2023



Numbers of Outgoing LAs in three categories grouped by academic year (2021, 2022, 2023) between January-June 2023





Erasmus+ Annual Report 2021 Annex

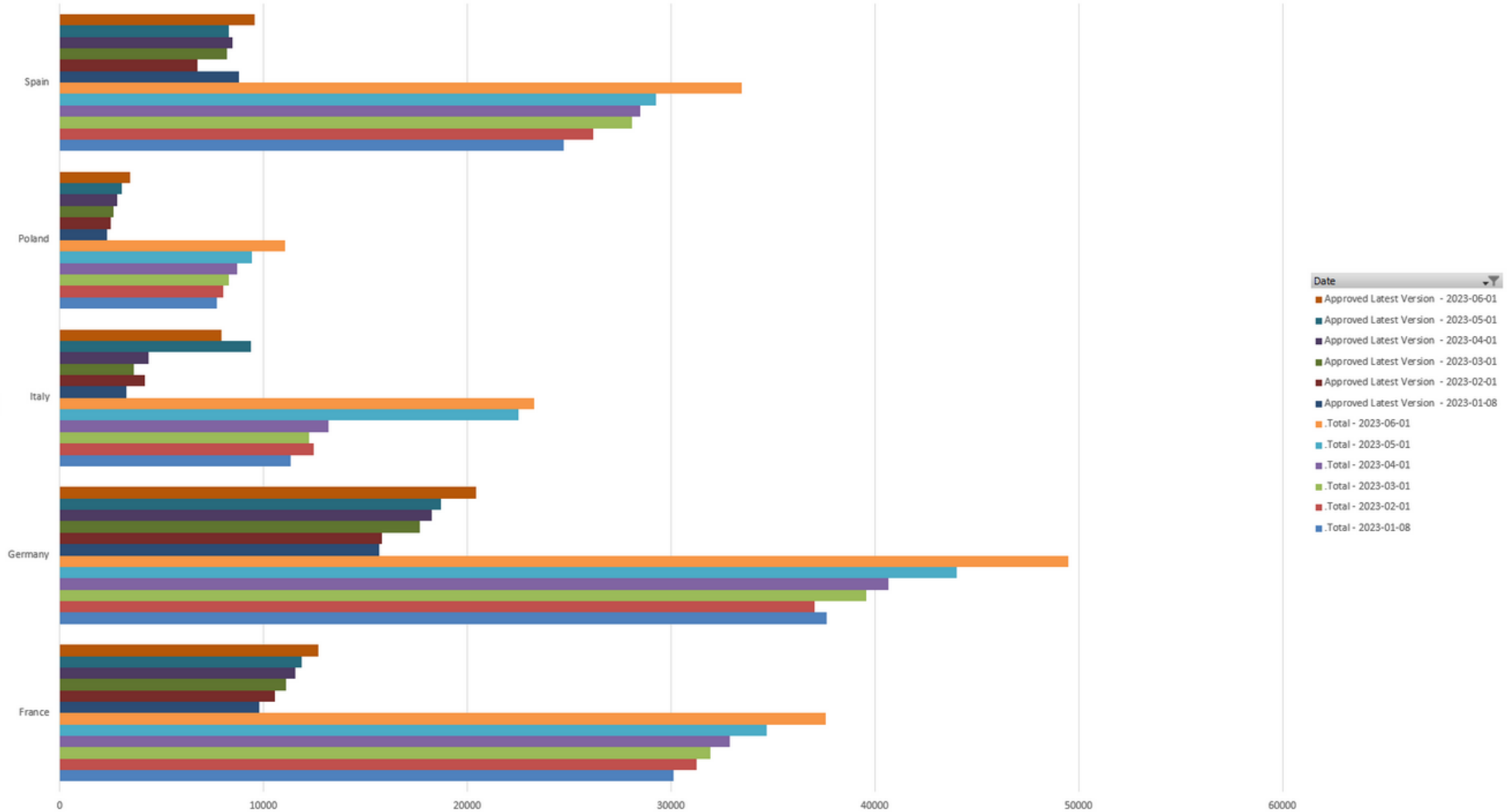
Higher education Projects contracted under calls 2021

<https://op.europa.eu/en/publication-detail/-/publication/757368ca-7b6e-11ed-9887-01aa75ed71a1>

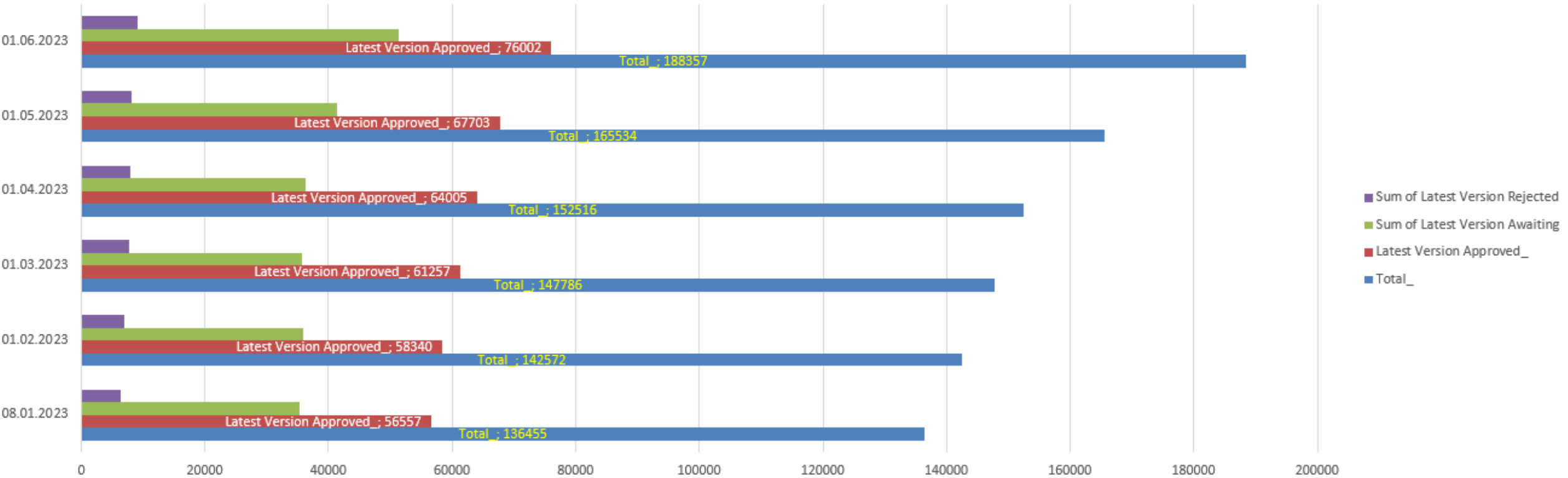
Country	Projects	Grants (in EUR)	Organisations	Expected participants
Austria	88	22 297 114	158	7 770
Belgium	92	42 429 900	262	12 405
Bulgaria	62	15 417 965	108	5 019
Croatia	45	10 272 208	73	3 009
Cyprus	32	4 337 300	51	1 193
Czech Republic	68	22 491 777	141	8 305
Denmark	45	13 876 819	90	4 954
Estonia	23	8 366 134	56	2 369
Finland	52	20 711 091	135	5 064
France	733	140 727 986	1 359	43 683
Germany	373	117 766 380	703	42 761
Greece	48	21 423 420	133	8 303
Hungary	61	23 158 712	131	7 248
Iceland	10	2 385 555	23	571
Ireland	40	17 004 947	87	3 414
Italy	311	94 218 635	686	33 116
Latvia	53	9 900 143	87	3 195
Liechtenstein	3	598 380	7	70
Lithuania	44	11 418 283	93	4 507
Luxembourg	7	2 229 204	23	847
Malta	6	2 519 328	16	649
Netherlands	64	41 337 557	245	8 411
North Macedonia	22	2 629 231	43	707
Norway	41	17 022 664	104	4 472
Poland	266	66 051 488	423	20 247
Portugal	106	41 827 060	388	13 617
Romania	92	34 706 997	181	11 521
Serbia	33	2 561 746	48	695
Slovakia	45	13 450 920	108	4 613
Slovenia	61	8 674 981	140	2 004
Spain	771	118 044 815	1 395	40 593
Sweden	52	18 497 675	112	5 499
Türkiye	246	45 070 670	498	17 894
Totals	3 995	1 013 427 086	8 107	328 725



Numbers of Outgoing LAs in two categories for chosen countries between January-June 2023



Total numbers of Incoming LAs in four categories between January–June 2023







Monitoring

Group by ⓘ








- Client HEI ID
 Client provider
 Server HEI ID
 Server provider
 API
 Error type
 HTTP code
 (All)

× Start date 

+ Add filter  Clear

Apply

Results (29)

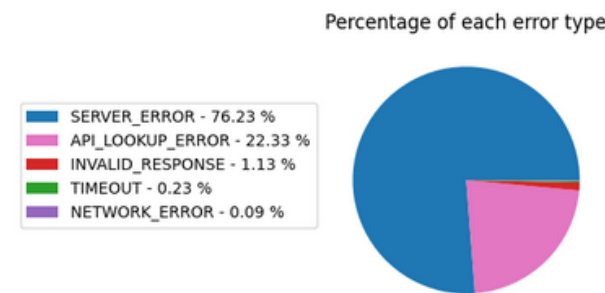
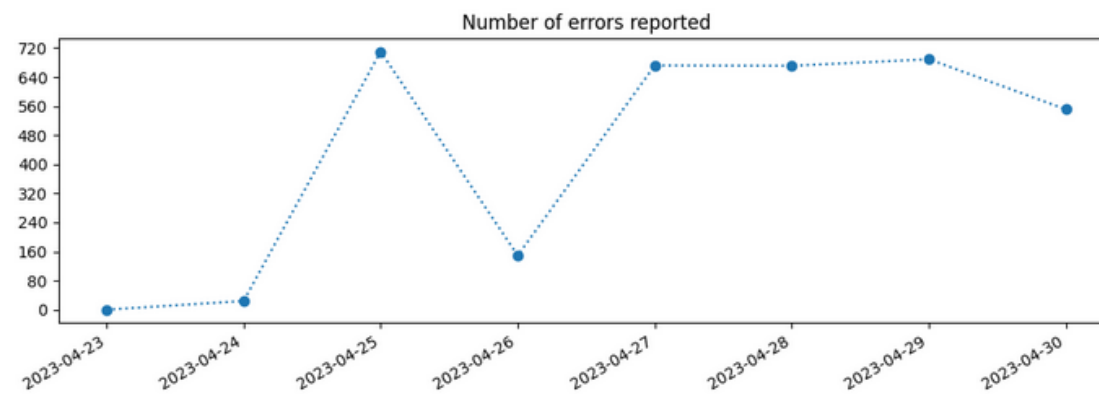
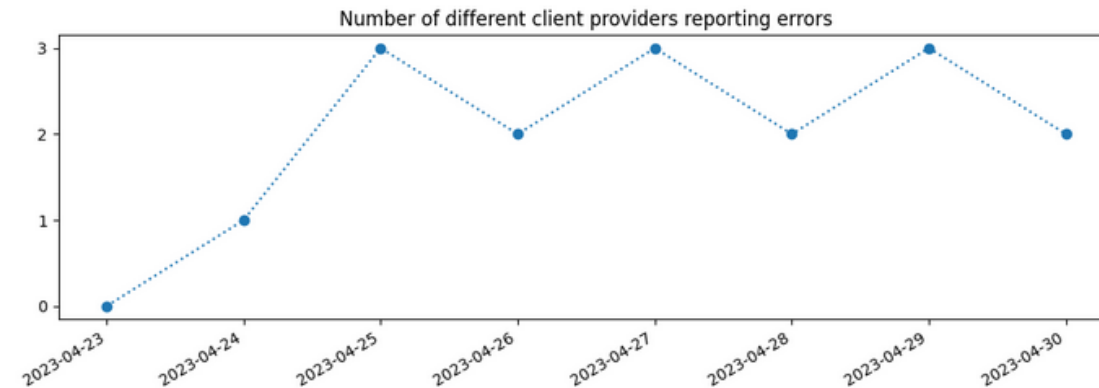
#	Timestamp (UTC) ↓	Client HEI ID	Client provider	Server HEI ID	Server provider	API	Error type	HTTP code	Message
1	2023-06-07 18:10:21	muni.cz	Masaryk University (ISOIS)			omobility-las 	INVALID_RESPONSE	200	Attribute "status" of the tag "omobility-las-get-response/la/changes-proposal/components-studied/component" should not be present.
2	2023-06-07 17:35:30	muni.cz	Masaryk University (ISOIS)			omobility-las 	INVALID_RESPONSE	200	Attribute "status" of the tag "omobility-las-get-response/la/changes-proposal/components-studied/component" should not be present.
3	2023-06-07 17:02:12	po.edu.pl	MUCI (USOS IRK)			omobility-las 	INVALID_RESPONSE	200	No LA has been returned by HEI uco.es for omobility -2051577660, despite having sent us a notification.
4	2023-06-07 17:00:10	po.edu.pl	MUCI (USOS IRK)			omobility-las 	INVALID_RESPONSE	200	No LA has been returned by HEI uco.es for omobility -2113139316, despite having sent us a notification.
5	2023-06-07 16:54:40	po.edu.pl	MUCI (USOS IRK)			omobility-las 	INVALID_RESPONSE	200	No LA has been returned by HEI uco.es for omobility -1345085021, despite having sent us a notification.
6	2023-06-07 16:05:29	muni.cz	Masaryk University (ISOIS)			omobility-las 	INVALID_RESPONSE	200	Attribute "status" of the tag "omobility-las-get-response/la/changes-proposal/components-studied/component" should not be present.
7	2023-06-07 16:00:03	amu.edu.pl	MUCI (USOS IRK)			omobility-las 	INVALID_RESPONSE	200	Missing ESI.



Dear EWP Admin,
 This is a periodic report about issues encountered by the EWP Network clients when making requests to servers managed by you. Errors can arise for a variety of reasons: bugs in implementation, incorrect data, unreachable servers etc. More information is available in the [Monitoring API specification](#).

These are the issues that have been collected since the previous report on **23 April 2023, 06:00 (UTC)**. Errors that appeared for the first time in the last 14 days are highlighted in orange. Empty value in the "Server provider" column means that the provider could not be matched exactly and the issue may not necessarily concern you.

Server provider	API	Error type	HTTP code	Client providers	Entries	
	e iias	SERVER_ERROR	502	1	219	View list
	e omobility-la-cnr	SERVER_ERROR	502	1	153	View list
	e omobility-las	SERVER_ERROR	502	1	153	View list
	e omobilities	API_LOOKUP_ERROR		1	138	View list
	e iias	INVALID_RESPONSE	200	1	11	View list
	e iias	SERVER_ERROR	500	1	7	View list
	e omobilities	INVALID_RESPONSE	200	1	5	View list
	e iias	NETWORK_ERROR		1	1	View list
	e omobility-la-cnr	NETWORK_ERROR		1	1	View list
	e omobility-las	NETWORK_ERROR		1	1	View list





- Erasmus Without Paper is a crucial cornerstone of the **European Student Card Initiative** and the **Erasmus programme**.
- The whole EWP ecosystem is constantly **evaluated** to pave the way for a **stable** network operation.
- The challenge of **interoperability** hindered by implementation in a **trust-based network** enforced the transition to a **rules-based network**.
- The **Stats portal** (actively) collects statistics from the nodes, while the **Monitoring system** (passively) gathers error reports. Both tools increase the **transparency** of the **state of readiness** of EWP Network users to exchange data.
- The growing numbers shown by the tools are a **measurable indicator** of the **success** of the EWP network, which translates into the growing **satisfaction** of its users
- Support from European Commission and DG EAC under ESCI/EWP+ is crucial for the **success of digitalisation** of the Erasmus+ programme (on a policy and financial level).
- The main goal behind this digitalisation initiative is to smoothly **connect people**.





MUCI



Erasmus Without Paper+ is funded under the Framework Contract for Services, number EAC-2020-OP-0008-Lot1.

MUCI programmers designed and developed the Stats Portal and the Monitoring system

The sole responsibility of this publication lies with the project consortium. The European Union is not responsible for any use that may be made of the information contained therein.





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<http://support.erasmuswithoutpaper.eu>



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