



# erasmus without paper 2.0

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# ERASMUS Without Paper (EWP) Network

## The future of student data

# Overview

- Demonstration
- Partner progress
  - HEIs
  - Commercial partners
- Getting involved (<https://www.erasmuswithoutpaper.eu>)

# Demonstration

- University of Warsaw
  - Demo site for UoW
  - Demo site of Partner (Higher Education Institution)
  - Demo Video (<https://youtu.be/xWvyDJ13Jxo>)

# Partner Progress - Gent

**OASIS - TOASIS**

Afsluiten Standaardinstellingen herstellen Voorkeuren Help Snelzoeken: [ ]

Uitwisselingsaanvragen X

Zoek Beginwaarden

Persoon Curriculum Contract

Nummer: [ ] Naam: Jan EWP family name Studentennr.: [ ]  
Academiejaar: [ ] Periode: [ ] Geboortedatum: 01-01-1999 Prospectnummer: [ ]

Academiejaar	Volgorde	Nummer	In/Uit	Financiering...	Partner	Periode	Aan...	Status	Substatus	Status CIU	Advies CIU
2017-2018	1	U00022599	UIT	Era+Traine...	Uniwersytet Warszawski	Eerste se...		Ontwerp	Ontwerp	Ontwerp	

# 1 / 200

Details Documenten Taakennis Curriculum in uitwisseling Motivatie Opleiding Historie

Bewaar Terug Nieuw Verwijder Koppel aan uitwisselingsstroom Akkoorden Verplaats Verplaats Documenten

Instelling EWP Export

Academiejaar: 2017-2018 Uitwisselingsstroom: [ ] Periode: Eerste semester

In/Uit: UIT Instelling: PL WARSZAWO1 Uniwersytet War Geplande begindatum: 02-10-2017

Datum aanvraag: [ ] Land: Polen Geplande einddatum: 01-01-2018

Aanvraagnummer: U00022599 Faculteit: Faculteit Letteren en Wijsbegeerte Effectieve begindatum: [ ]

Status: Ontwerp Mobiliteitsdoel: Onderzoek Effectieve einddatum: [ ]

Substatus: Ontwerp Vakgebied: 0200 Arts and humanities (2) Tweedekans: [ ]

Gepreselecteerd: [ ] Financieringskanaal: Erasmus+ Traineeship Genomineerd: [x]

Geselecteerd: [ ] Studieniveau: Eerste (Bachelor)

Opmerking: [ ]

**Beursinformatie**

Heeft vorige beurzen: [ ] Enquête ingevuld: [ ] Geplande periode: 3,00

OLS-voor: [ ] Datum 1ste schijf: [ ] Effectieve periode: [ ]

OLS-na: [ ] Laatste schijf betaald: [ ] Beursperiode: 3,00

Naam	St...	UWA	CIU
EWP family name, Jan		Ontwerp	Ontwerp

# 1 / 200

Annuleren # 1 268M of 509M Paul Leys | Oasis v.2.27.5, Centauro v.2.27.5 (TOASIS)

# Partner Progress - Porto

## What's implemented – Server Side

- Discovery
- Echo
- Institutions
- Organizational Units
- IIA
  - Index
  - Get
- Outgoing Mobilities
  - Index
  - Get
- Incoming Mobilities
  - Index
- Transcription of Records
  - Index
  - Get
- Security
  - Only TLS connections
  - No HTTP Signature
- Structure
  - Prepared to receive all data

## What's implemented – Client Side

- Catalogue
- Echo
- Institutions
- Organizational Units
- IIA
  - Index
  - Get
- Outgoing Mobilities
  - Index
  - Get
- Security
  - Only TLS connections
  - No HTTP Signature
- Structure
  - Prepared to receive all data

# Partner Progress - Porto


University of Porto   Institutions   OUnits   Mobilities   APIs   Echo   Login   Logout

[← back to institution](#)

## University of Warsaw

SCHAC Code: demo.usos.edu.pl

<b>Name ([pl]):</b> Uniwersytet Warszawski	<b>Address:</b> 26/28 Krakowskie Przedmieście 00927 Warszawa PL
<b>Name ([en]):</b> University of Warsaw	
<b>erasmus:</b> PL WARSZAW01	
<b>pic:</b> 999572294	
<b>Website:</b> <a href="http://www.uw.edu.pl">http://www.uw.edu.pl</a>	
<b>Mobility ([en]):</b> <a href="https://usosapps.demo.usos.edu.pl/services/fac/factsheet_get?fac_id=00000000">https://usosapps.demo.usos.edu.pl/services/fac/factsheet_get?fac_id=00000000</a>	



### Organizational Units

Search for names..

<b>Organizational Units</b>	
Kolegium Międzywydziałowych Indywidualnych Studiów Humanistycznych College of Inter-faculty Studies in the Humanities	<a href="#">Details &gt;</a>
Kolegium Międzywydziałowych Indywidualnych Studiów Matematyczno-Przyrodniczych College of Inter-Faculty Individual Studies in Mathematics and Natural Sciences (MISMaP)	<a href="#">Details &gt;</a>
Uniwersytet Warszawski University of Warsaw	<a href="#">Details &gt;</a>

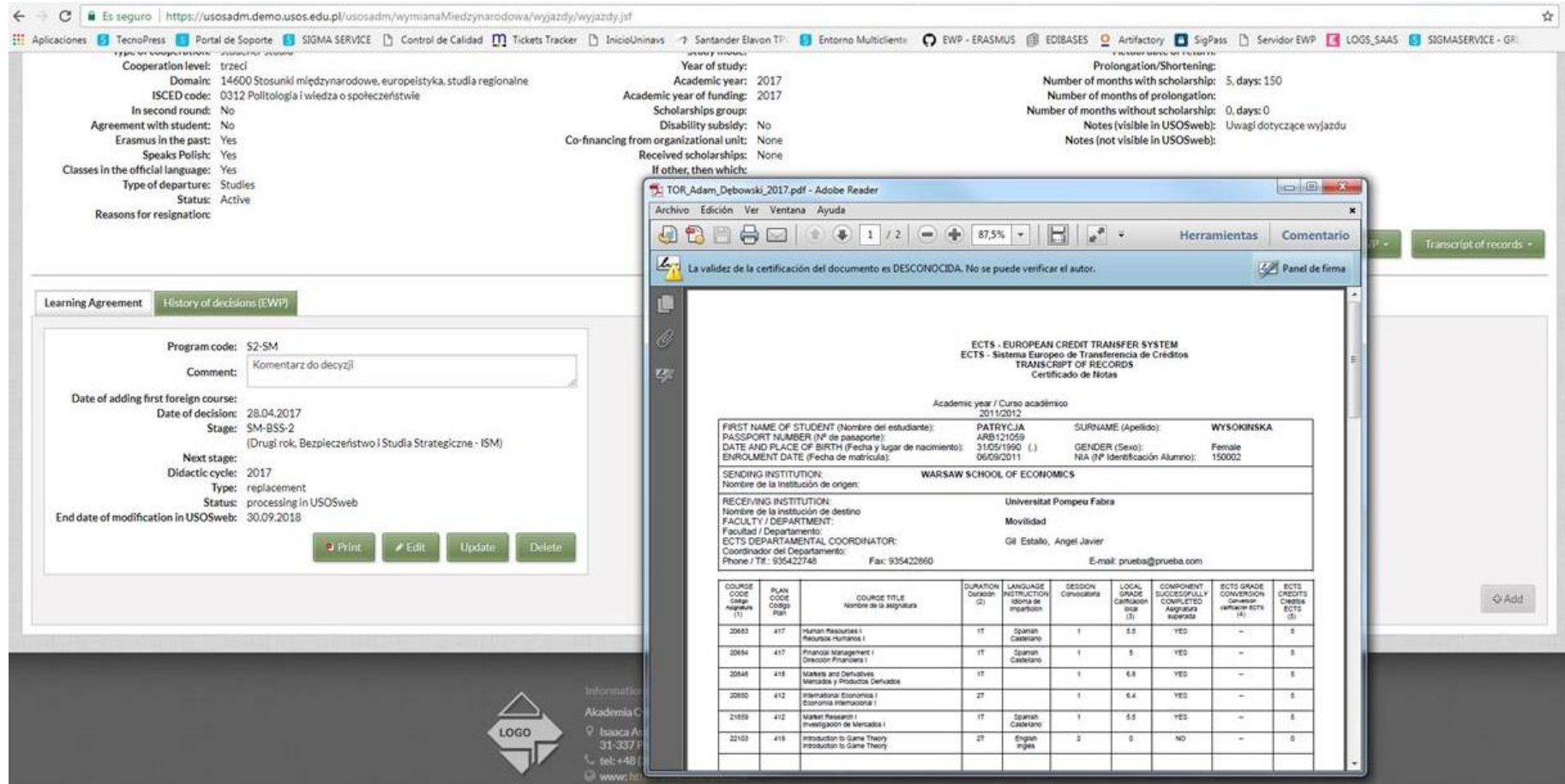
This is an example of UoP requesting and receiving information on the UoW.

# Partner Progress - Sigma

- Request and Receive a transcript
- List HEIs in the EWP Network
- List APIs available at an HEI ( send and receive technical information)



# Request and Receive a Transcript of Records from USOS



The screenshot displays the USOS web application interface. On the left, there are tabs for 'Learning Agreement' and 'History of decisions (EWP)'. The 'History of decisions (EWP)' tab is active, showing a form with the following details:

- Program code: S2-SM
- Comment: Komentarz do decyzji
- Date of adding first foreign course: 28.04.2017
- Date of decision: SM-BSS-2
- Next stage: (Drugi rok, Bezpieczeństwo i Studia Strategiczne - ISM)
- Didactic cycle: 2017
- Type: replacement
- Status: processing in USOSweb
- End date of modification in USOSweb: 30.09.2018

Buttons for 'Print', 'Edit', 'Update', and 'Delete' are visible at the bottom of the form.

On the right side of the main application, there is a green button labeled 'Transcript of records'.

Overlaid on the application is a PDF viewer window titled 'TOR\_Adam\_Dębowski\_2017.pdf - Adobe Reader'. The PDF content is as follows:

**ECTS - EUROPEAN CREDIT TRANSFER SYSTEM**  
**ECTS - Sistema Europeo de Transferencia de Créditos**  
**TRANSCRIPT OF RECORDS**  
**Certificado de Notas**

Academic year / Curso académico  
2011/2012

FIRST NAME OF STUDENT (Nombre del estudiante):	PATRYCJA	SURNAME (Apellido):	WYSOKINSKA
PASSPORT NUMBER (Nº de pasaporte):	ARB121059	GENDER (Sexo):	Female
DATE AND PLACE OF BIRTH (Fecha y lugar de nacimiento):	31/05/1990 ( )	ENROLMENT DATE (Fecha de matrícula):	N/A (Nº Identificación Alumno): 150002

SENDING INSTITUTION: **WARSAW SCHOOL OF ECONOMICS**  
Nombre de la institución de origen:

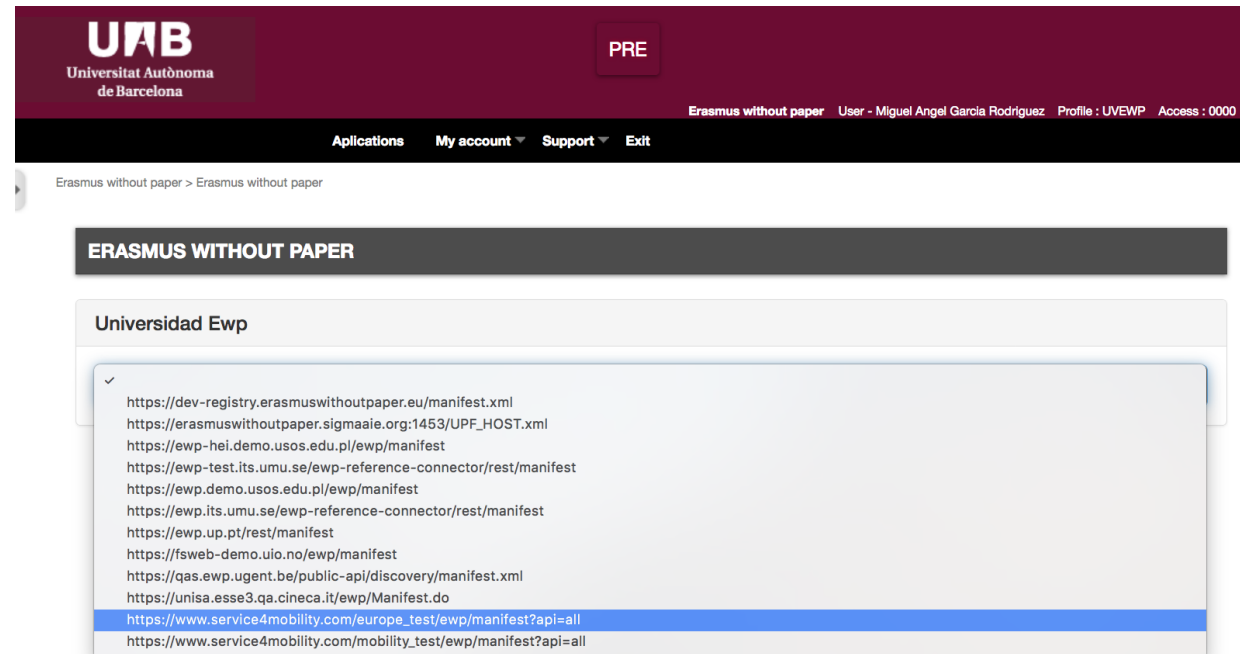
RECEIVING INSTITUTION: **Universitat Pompeu Fabra**  
Nombre de la institución de destino

FACULTY / DEPARTMENT: **Movilidad**

ECTS DEPARTMENTAL COORDINATOR: **Gil Estallo, Angel Javier**  
Coordinador del Departamento:  
Phone / Tf: 935422748 Fax: 935422660 E-mail: prueba@prueba.com

COURSE CODE Asignatura (1)	PLAN CODE Código Plan	COURSE TITLE Nombre de la asignatura	DURATION Duración (2)	LANGUAGE INSTRUCTION Idioma de Impartición	SESSION Convocatoria	LOCAL GRADE Calificación local (3)	COMPONENT SUCCESSFULLY COMPLETED Aprobatura esperada	ECTS GRADE CONVERSION Conversion ECTS (4)	ECTS CREDITS Créditos ECTS (5)
2063	417	Human Resources I Recursos humanos I	17	Spanish Castellano	1	5.5	YES	--	5
2064	417	Finance Management I Dirección Financiera I	17	Spanish Castellano	1	5	YES	--	5
2048	418	Markets and Derivatives Mercados y Productos Derivados	17		1	6.5	YES	--	5
2080	412	International Economics I Economía Internacional I	27		1	6.4	YES	--	5
2109	412	Market Research I Investigación de Mercados I	17	Spanish Castellano	1	5.5	YES	--	5
2210	418	Introduction to Game Theory Introduction to Game Theory	27	English Inglés	2	0	NO	--	0

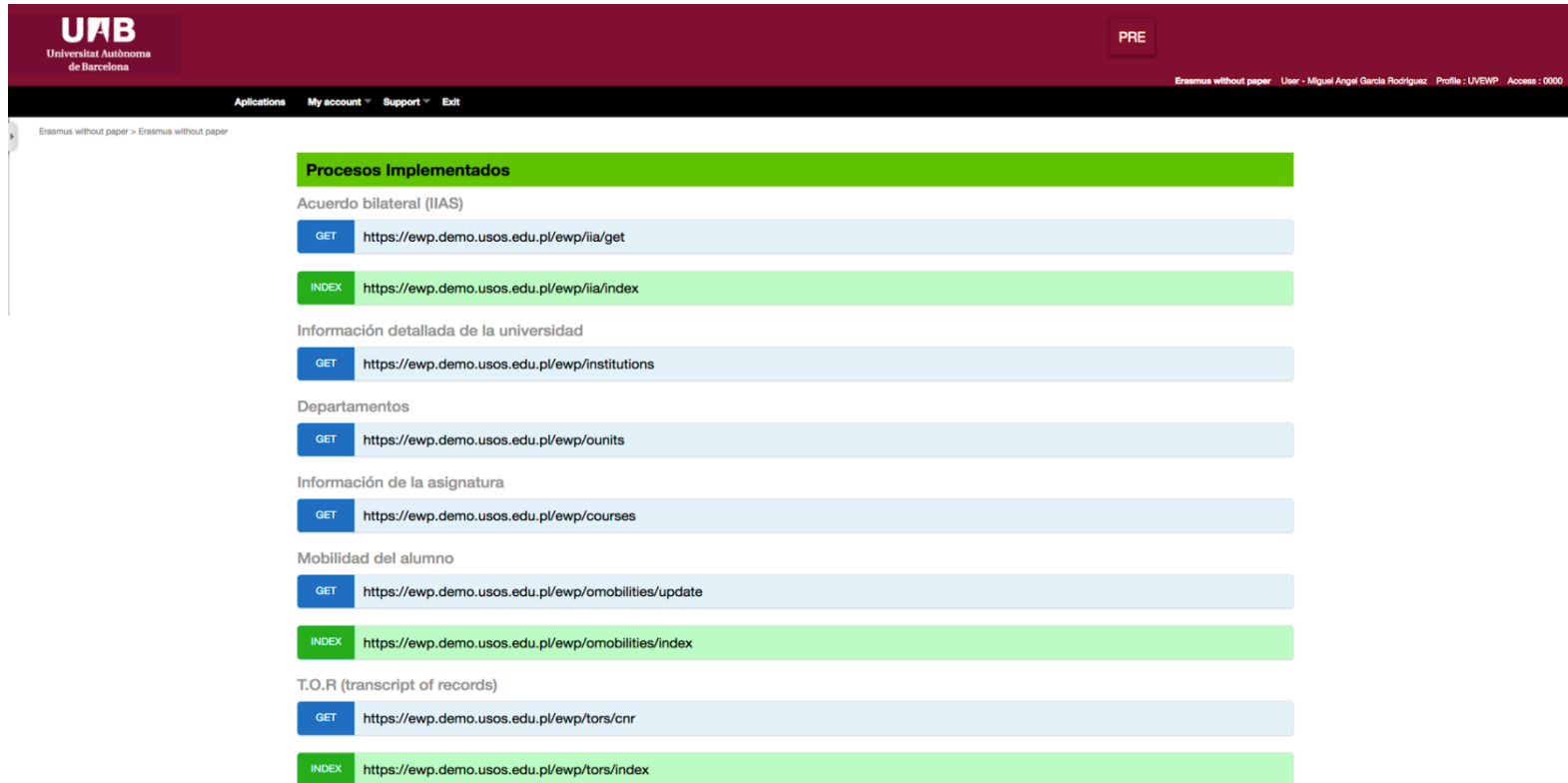
# List HEIs involved in the EWP Network



The screenshot shows the user interface of the Erasmus without paper application. At the top left is the UAB (Universitat Autònoma de Barcelona) logo. A 'PRE' button is visible in the top right. The navigation bar includes 'Applications', 'My account', 'Support', and 'Exit'. The breadcrumb trail reads 'Erasmus without paper > Erasmus without paper'. The main content area is titled 'ERASMUS WITHOUT PAPER' and 'Universidad Ewp'. A list of manifest URLs is displayed, with the last two entries highlighted in blue:

- <https://dev-registry.erasmuswithoutpaper.eu/manifest.xml>
- [https://erasmuswithoutpaper.sigmaaie.org:1453/UPF\\_HOST.xml](https://erasmuswithoutpaper.sigmaaie.org:1453/UPF_HOST.xml)
- <https://ewp-hei.demo.usos.edu.pl/ewp/manifest>
- <https://ewp-test.its.umu.se/ewp-reference-connector/rest/manifest>
- <https://ewp.demo.usos.edu.pl/ewp/manifest>
- <https://ewp.its.umu.se/ewp-reference-connector/rest/manifest>
- <https://ewp.up.pt/rest/manifest>
- <https://fsweb-demo.uio.no/ewp/manifest>
- <https://qas.ewp.ugent.be/public-api/discovery/manifest.xml>
- <https://unisa.esse3.qa.cineca.it/ewp/Manifest.do>
- [https://www.service4mobility.com/europe\\_test/ewp/manifest?api=all](https://www.service4mobility.com/europe_test/ewp/manifest?api=all)
- [https://www.service4mobility.com/mobility\\_test/ewp/manifest?api=all](https://www.service4mobility.com/mobility_test/ewp/manifest?api=all)

# List the APIs available at an HEI



The screenshot shows the Erasmus without paper interface for UAB. The header includes the UAB logo and a 'PRE' button. The main content area is titled 'Procesos Implementados' and lists several API endpoints under different categories. Each endpoint is shown with its method (GET or INDEX) and the full URL.

Method	URL
GET	https://ewp.demo.usos.edu.pl/ewp/ia/get
INDEX	https://ewp.demo.usos.edu.pl/ewp/ia/index
GET	https://ewp.demo.usos.edu.pl/ewp/institutions
GET	https://ewp.demo.usos.edu.pl/ewp/ounits
GET	https://ewp.demo.usos.edu.pl/ewp/courses
GET	https://ewp.demo.usos.edu.pl/ewp/omobilities/update
INDEX	https://ewp.demo.usos.edu.pl/ewp/omobilities/index
GET	https://ewp.demo.usos.edu.pl/ewp/tors/cnr
INDEX	https://ewp.demo.usos.edu.pl/ewp/tors/index

Once the user has selected the HEI, all the available APIs are shown.

This version of the software lets the user introduce the parameters of each API and returns the xml file.

# Partner Progress - QS

QS		20 YEARS
0	<b>Product Analysis - Integration between existing functionality and EWP</b> <ul style="list-style-type: none"> <li>Defining product integration</li> <li>Data privacy legal aspects</li> </ul>	<b>Q2 – 2018</b> In progress
1	<b>Technical tasks and Communication Basics</b> <ul style="list-style-type: none"> <li>Discovery Manifest and Registry Service</li> <li>Basic APIs (Echo API, Institutions and Organizational Units API)</li> </ul>	<b>Q3 – 2018</b> by September 2018
2	<b>API Communications – Stage 1</b> <ul style="list-style-type: none"> <li>Outgoing Mobilities + Nominations</li> <li>All dependant entities such as Person, Partner Institutions, <i>etc.</i></li> </ul>	<b>Q4 – 2018</b> by December 2018
3	<b>API Communications – Stage 2</b> <ul style="list-style-type: none"> <li>Incoming Mobilities</li> <li>Transcript of Records</li> </ul>	<b>Q1 – 2019</b> Planned for March 2019
4	<b>Optional APIs</b> <ul style="list-style-type: none"> <li>Courses</li> <li>Simple Courses Replication</li> <li>Interinstitutional Agreements</li> </ul>	<b>2019</b> Planned for 2019
5	<b>Push Notifications</b> <ul style="list-style-type: none"> <li>CNR APIs (Interinstitutional Agreements, Outgoing Mobilities, Incoming Mobilities, Incoming Mobilities <u>ToR</u>)</li> </ul>	<b>2019</b> Planned for 2019

# Partner Progress - SOP

## Settings APIs

The screenshot displays the 'Settings/Settings own institution (ID = 2)' page in the MOBILITY-ONLINE system. The page is divided into several sections, with the 'Settings APIs' section being the primary focus.

**Master Data**

Use EWP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use Institutions API	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use Organizational Units API	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Receive Master Data Change Notifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use Interinstitutional Agreements API	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Receive Agreement Change Notifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use Courses API	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Use Course Replication API	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Mobility Data**

Use Outgoing Mobilities API	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Receive Outgoing Mobility Changes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Use Incoming Mobilities API	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Receive Incoming Mobilities Changes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Use Transcripts of Records API	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Receive Transcript of Records Changes	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**General**













Upload Factsheet: <-- No choice -->

Created by admin (gsch) on 08.02.2018 15:28:03, last modified by admin (gsch) on 02.05.2018 11:42:17

Buttons: Cancel, Forward to update

# Partner Progress - SOP

## Settings per exchange partner

Personal details	Nomination/Project	Access rights for tabs (1)
Workflow step for disabling update of applicant data	Bestätigung über Vervollständigung der Bewerb	  
Pipeline step for EWP release of applicant data	Bewerbung an Partnerhochschule nominiert - BI	  
Boolean value for accessing personal data	<-- No choice -->	
Creation of user/Acquisition of master data	<input type="radio"/> Input by the applicant	
	<input type="radio"/> LDAP	
	<input type="radio"/> Central Authentication Service (CAS)	
	<input type="radio"/> CoSign	
	<input type="radio"/> Shibboleth	
	<input checked="" type="radio"/> Own solution	
	<input type="radio"/> Webservice 	
Method to read	getApplicationAttributesOfOwnAuthenticationSys	
Use prototype	<input type="checkbox"/> 	
Update of personal details	<input type="radio"/> With button in personal details	<input type="radio"/> Fully automated (at each access)
Changes of address data allowed	<input type="checkbox"/> 	
Internal exchange program	<input type="checkbox"/> 	

# Partner Progress - SOP

## Dashboard

Sent Nominations (5 Entries found)										
University (European Edition) (3 Entries found)										
Given names	Surname	Gender	Subject code	exchange prog. nr.	Startdate	Enddate	Sent	Received	Accepted	Confirm
Daisy	Duck	W	0532	SM	06.11.2014	02.11.2017	✓	✗	✗	✓
Donald	Duck	M	0532	SM	30.11.2015	30.10.2016	✓	✗	✗	✓
Mogli	Boy	M	0532	SM	03.12.2014	26.12.2014	✓	✗	✗	✓

Incoming nominations (1 Entries found)										
<a href="#">download as Excel file</a>										
University (European Edition) (3 Entries found)										
Given names	Surname	Gender	Subject code	exchange prog. nr.	Startdate	Enddate	Accept			
Winnie	Bear	W	0532	SM	01.10.2014	01.11.2016	✓	✗		
Big Bad	Wolf	M	0532	SM	29.10.2015	29.10.2016	✓	✗		
Snow White	Grimm	W	0532	SM	03.11.2014	26.03.2015	✓	✗		

No pending learning agreements found
--------------------------------------

No pending Synchronisations!
------------------------------

# Partner Progress - SOP

## Institutions

Master data/Institutional data/Institutions (partner - details) Search results

Name of institution Institution code Country Institution type Dataset active  
-- Select all -- -- Select all -- Yes No Both

Create new record Advanced Search Find

Name of institution	Inst.no	Country	Comm.language	Institution type	Active
PARTNER UNIVERSITY	DEMO0	Austria	Deutsch	Accommodation University	Yes
UNIVERSITÄT WIEN	WIEN01	Austria	Deutsch	University	Yes
UNIVERSITEIT ANTWERPEN	INCHEON0	South Korea	English	University	Yes
University of Porto	PORTO01	Germany	Deutsch	University	Yes
University of SOP	BRUGGE01	Belgium	English	College	Yes
UNIWERSYTET WARSZAWSKI	WARSZAW01	Poland	English	Accommodation	Yes

ABCDEFGHIJKLMNOPQRSTUVWXYZ

First Previous (1 - 6 of 6) Next Last



# Partner Progress - SOP

With Warsaw

Master data/Institutional data/Institutions (partner - details) (ID = 13732) Update ?

Cancel Update Import data (EWP) Show further details (EWP)

Additional information (0) Internship spots (0) Documents (0)

Programs of study (0) Bilat. Cooperations (0) Multi. coop (0) Agreements (0) Actions (0) Semester (0)

Master data Addresses (0) Persons (0) Students (0) Teaching staff (0) Faculties (0) Study fields (0)

Institution type  Sending  Receiving  Both ?

Institution code  ?

PIC (Participant Identification Code)  ? [Import data](#)

SCHAC  ?

There are still 255 characters available

[Import data](#)

Name of institution  ? <sup>A</sup>

There are still 200 characters available

[Import data](#)

[Import data](#)

Institution is co-Beneficiary  ?

Additional description  ?

There are still 200 characters available

Erasmus code  ?

[Import data](#)

EUC/ECHE approved  ?

EUC Number  ?

ECHE number  ?

Country  ? <sup>i</sup> <sup>A</sup>

Communication language  ? <sup>i</sup> <sup>A</sup>

# Partner Progress - SOP

With Porto

Allocation of people to institutions (ID = 4881) Update ?

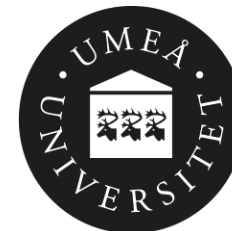
Cancel Update Import data (EWP) Show further details (EWP)

Person-ID	estt, tetetet	? i
Institution	University of Porto	? i
Address	<-- No choice -->	? i
Function	Head of the department, Institutional coordinator	? i
Unit	<-- No choice -->	? i
Telephone number	14143213123	?
	+351220408041 <a href="#">Import data</a>	
Mobile phone number		?
Fax number	123123123	?
	+351220408377 <a href="#">Import data</a>	
E-mail address	test@uni-test.de	? ✉
	international@reit.up.pt <a href="#">Import data</a>	
label.is_upd_same_email_adr not found	<input type="checkbox"/>	?
Homepage		?
	homepage <a href="#">Import data</a>	
Comment	Abteilungsleiterin ERASMUS-Hochschulkoordinatorin	
	There are still <b>100000</b> characters available	
Dataset active	<input checked="" type="checkbox"/>	?

Created by admin (kah) on 02.04.2014 13:30:11, last modified by SOP Administrator on 20.03.2018 10:03:29

Cancel Update Import data (EWP) Show further details (EWP)

# Partners



Thank you!



erasmus  
without paper 2.0

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