



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

International Academic Exchanges Area. RECTOR'S OFFICE

INTERNATIONALIZATION @UPV. Internationalization Index

9 November 2017

OBJECTIVES AND DEFINITION



- Build up an institutional index to measure internationalization at the 13 Schools / Faculties of Universidad Politécnica de Valencia
- A working group of 10 people was created for its development
- Evaluation system with indicators for quantity and quality of international mobility and projects within the institution (academic exchanges, cooperation for development and international projects)
- Helps keep information updated in the database
- Facilitates coordination, management and decision making at School and University level
- Allows an appropriate allocation of human and material resources



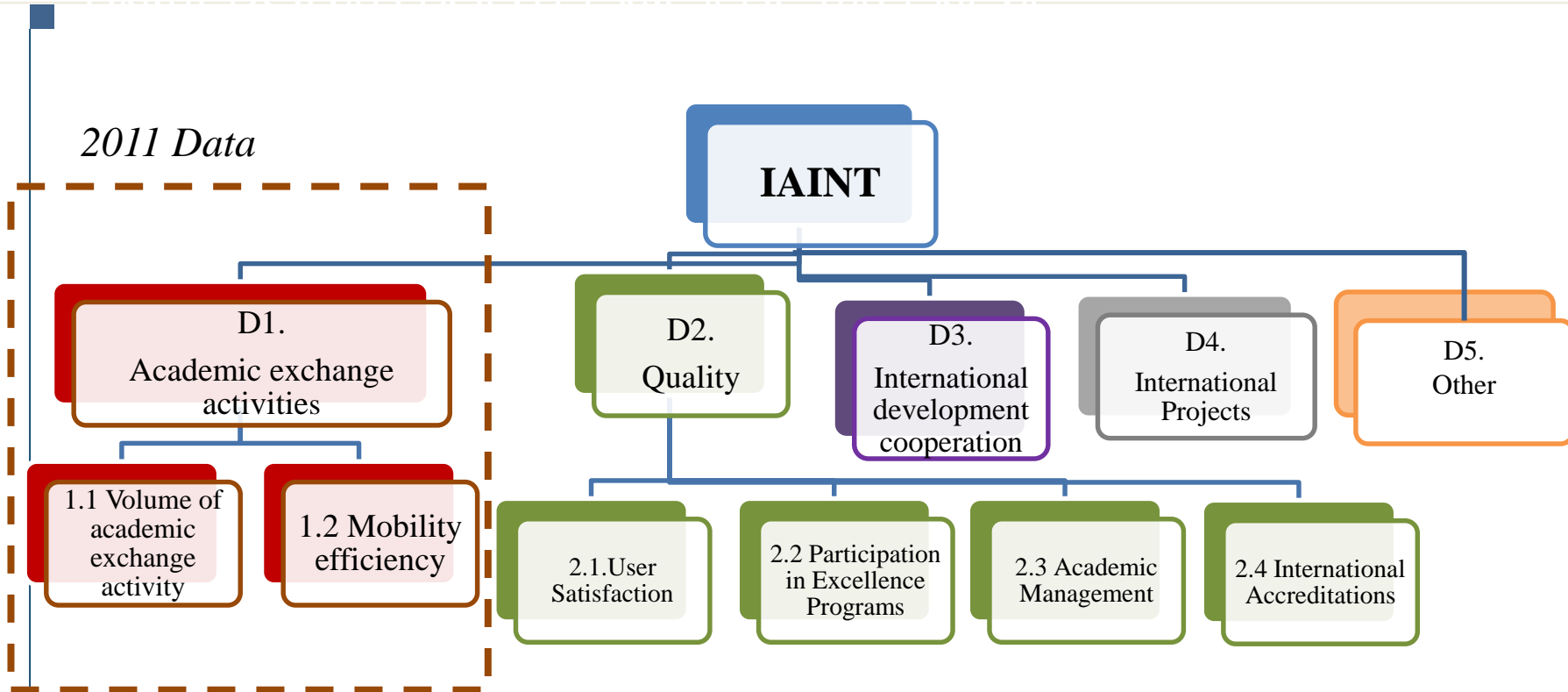
OBJECTIVES AND DEFINITION



- First version was implemented in 2011.
- Revised and new version in 2016
- Important to reach consensus among the different actors in the process
- Open to revision
- Way of implementing internationalization policies:
 - Balance of students sent and received
 - Recognition of credits
 - Subjects in English
 - Active agreements
 - Increase participation



GENERAL OVERVIEW



D1: ACADEMIC EXCHANGE ACTIVITIES



D1. Academic exchange activities

1.1 Volume of academic exchange activity and student recruitment

- 1.1.1.** Number of students sent (regular, DD, master)
- 1.1.2.** Number of students received: +20%
- 1.1.3.** Teaching staff sent
- 1.1.4.** Administrative staff sent for training
- 1.1.5.** Teaching staff received (under E, non-E)
- 1.1.6.** Staff received for other non-teaching activities
- 1.1.7.** International visiting students (fee paying)
- 1.1.8.** Regular international students (bach, ms, doc)

1.2 Mobility efficiency

- 1.2.1:** % of students sent
- 1.2.2:** % of students received
- 1.2.3:** % of staff sent
- 1.2.4:** Ratio/Balance between the number of Erasmus students sent and received

SUB-DIMENSION 1.1: VOLUME OF ACADEMIC EXCHANGE ACTIVITY AND STUDENT RECRUITMENT



Indicator 1.1.1: Students Sent (AE)

AE1=Regular students sent

AE2=Double degree students sent

AE3=Master students sent

$$AE=AE1+1,25*AE2+1,25*AE3$$

Indicador 1.1.2: Students Received (AR)

AR=Students received

Maximum value: AE+20%



SUB-DIMENSION 1.1: VOLUME OF ACADEMIC EXCHANGE ACTIVITY AND STUDENT RECRUITMENT



- Indicator 1.1.3: Teaching staff sent (PE)**

- Indicator 1.1.4: Administrative staff sent (PAE)**

- Indicador 1.1.5: Teaching staff received (PRD)**

PRD1 = Erasmus STA

PRD2 = Other teaching activities

$$PRD=PRD1+PRD2$$





SUB-DIMENSION 1.1: VOLUME OF ACADEMIC EXCHANGE ACTIVITY



Indicator 1.1.6: Staff received for non-teaching activities (PRND)

A1=Agreements

A2=Activities financed by the own programme APICID

A3=Coordination

A4=Conference

A5=Erasmus Staff

A6=Institutional visits

A7=OS

A8=Projects

A9=Other visits

$$PRND=A1+A2+A3+A4+A5+A6+A7+A8+A9$$





SUB-DIMENSION 1.1: VOLUME OF ACADEMIC EXCHANGE ACTIVITY AND STUDENT RECRUITMENT



Indicator 1.1.7: International Visiting Students (EVI)

Indicador 1.1.8: International Regular Students (AR)



SUB-DIMENSION 1.2. MOBILITY EFFICIENCY



Indicator 1.2.1: Students sent (PotA)

$$\text{PotA} = \frac{\text{AE1} + \text{AE2} + \text{AE3}}{\text{AEg}}$$

Where AEG=Students that finished their studies in the academic year in the school/faculty

Indicador 1.2.2: Students received (PotR)

$$\text{PotR} = \frac{\text{AR}}{\text{AEg}}$$

Where AEG=Students that finished their studies in the academic year in the school/faculty



SUB-DIMENSION 1.2. MOBILITY EFFICIENCY



❑ Indicator 1.2.3: Staff efficiency(PotP)

$$\text{PotP} = (\text{PE} + \text{PAE}) / \text{P}$$

Where P = Staff assigned to school/faculty

❑ Indicator 1.2.4: Balance between sent and received students (B)

$$B = \frac{\text{AE1} + \text{AE2} + \text{AE3}}{\text{AR}}$$

Using AR before limiting it to AE+20%

If $B \geq 1,1 \rightarrow$ indicator 1.2.4=1

If $B \leq 0,5 \rightarrow$ indicator 1.2.4=0

If $0,5 < B < 1,1 \rightarrow$ indicator 1.2.4= $(B - 0,5) / 0,6$





DIMENSION 2: QUALITY



D.2 Quality

2.1 User Satisfaction

- 2.1.1. Satisf. Students OUT
- 2.1.2. Satisf. Students IN
- 2.1.3 Satisf. Teaching St OUT
- 2.1.4 Satisf. Adm. Staff OUT

2.2 Participation in Excellence Programmes

- 2.2.1 Number of active DD agreements with mobility OUT
- 2.2.2 Number of E+ Joint Master with mobility OUT

2.3 Academic Management

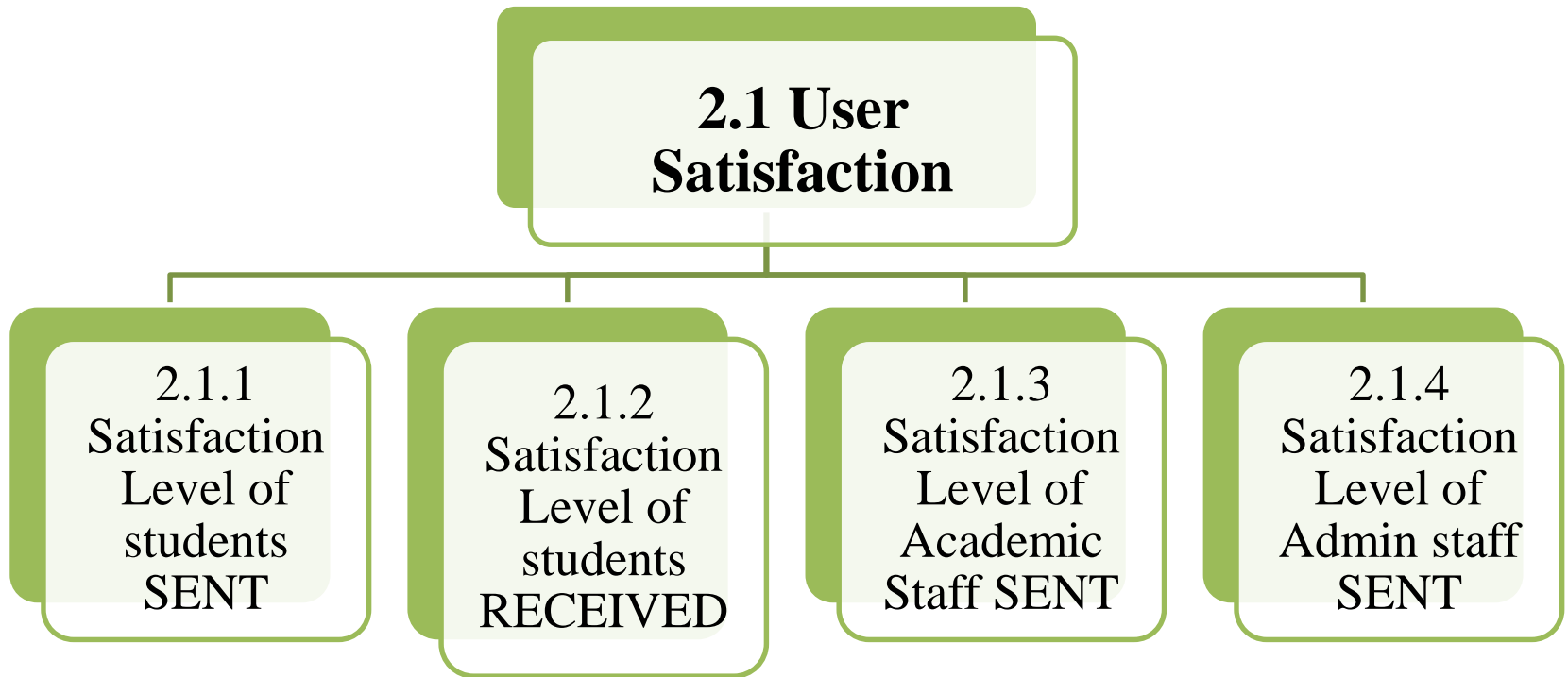
- 2.3.1 Ratio of recogn. creds stud OUT
- 2.3.2 Ratio of st. sent 70% of LA OUT
- 2.3.3 Ratio of recogn. creds stud IN
- 2.3.4 Ratio degrees with 10% in English
- 2.3.5 Number of institutions with activity

2.4 International Accreditations





SUB-DIMENSION 2.1 USER SATISFACTION

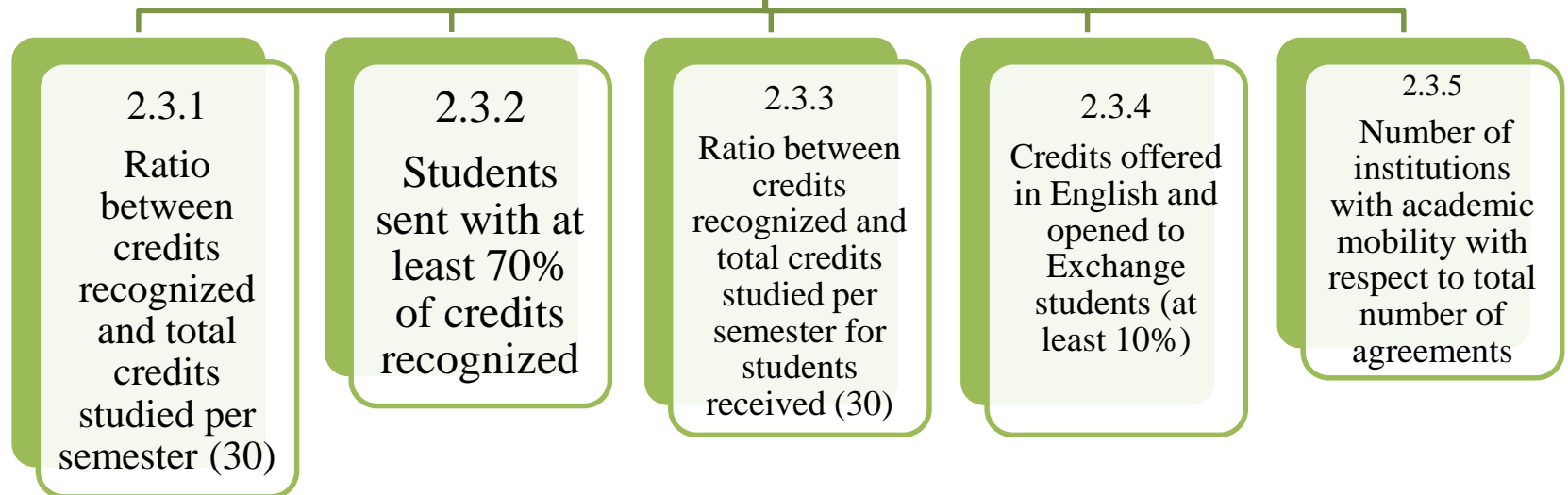




SUB-DIMENSION 2.3 ACADEMIC MANAGEMENT



2.3 Academic Management



SUB-DIMENSION 2.3 ACADEMIC MANAGEMENT



2.3 Academic Management					
	I 2.3.1 Cred Rec	I 2.3.2 Porc. CR	I 2.3.3 Cred Sup	I 2.3.4 DI	I 2.3.5 Inst Ac Int
EPSA	53,05	92,55	80,95	27,27	62,75
EPSG	83,64	97,50	76,58	37,50	71,28
ETSA	80,05	92,73	73,80	0,00	89,83
ETSIE	79,88	80,00	69,04	50,00	61,70
ETSIAMN	88,50	90,79	61,86	0,00	60,39
ETSICCP	69,43	96,92	63,27	16,67	73,91
ETSID	91,85	93,25	74,00	27,27	83,89
ETSIGCT	53,57	78,57	77,88	0,00	56,14
ETSII	97,01	90,09	65,74	18,18	82,07
ETSINF	67,70	74,00	58,08	33,33	55,64
ETSIT	80,52	88,24	67,76	66,67	56,36
FADE	70,43	87,18	63,87	25,00	74,39
FBBA	80,60	95,60	79,51	0,00	84,75
Average	76,633	89,033	70,179	23,222	70,238
Std. Dev.	13,379	7,339	7,422	20,761	12,190

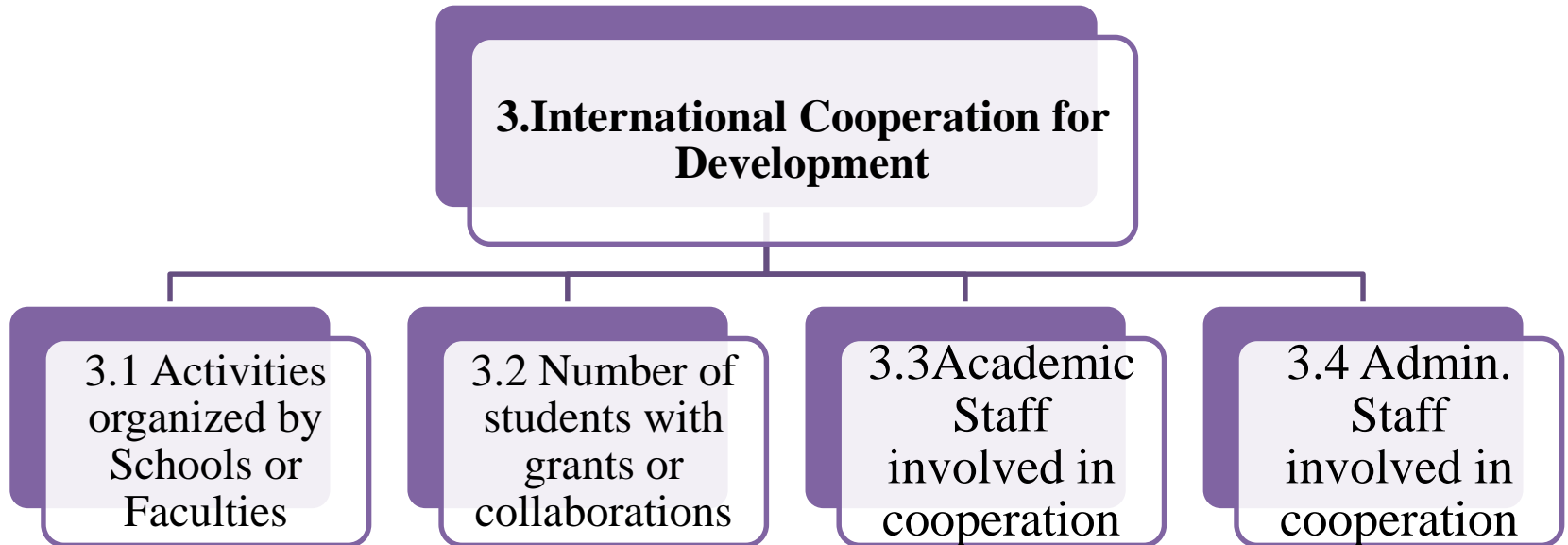


2.3 Academic Management					
	I 2.3.1 Cred Rec	I 2.3.2 Porc. CR	I 2.3.3 Cred Sup	I 2.3.4 DI	I 2.3.5 Inst Ac Int
EPSA	-1,763	0,480	1,451	0,195	-0,615
EPSG	0,524	1,154	0,863	0,688	0,085
ETSA	0,255	0,503	0,488	-1,119	1,607
ETSIE	0,243	-1,231	-0,153	1,290	-0,700
ETSIAMN	0,887	0,239	-1,121	-1,119	-0,808
ETSICCP	-0,538	1,075	-0,931	-0,316	0,301
ETSID	1,137	0,575	0,515	0,195	1,120
ETSIGCT	-1,724	-1,426	1,037	-1,119	-1,157
ETSII	1,523	0,145	-0,598	-0,243	0,971
ETSINF	-0,668	-2,048	-1,631	0,487	-1,198
ETSIT	0,291	-0,109	-0,326	2,093	-1,138
FADE	-0,464	-0,253	-0,851	0,086	0,341
FBBA	0,297	0,895	1,257	-1,119	1,190





DIMENSION 3: INTERNATIONAL COOPERATION FOR DEVELOPMENT





DIMENSION 4: INTERNATIONAL PROJECTS



4. International Projects

4.1 International
Competitive Projects

4.2 Number of
teaching staff
involved in
International projects

4.3 Subjects offered
for Study Abroad and
Summer School



INDEX CONSTRUCTION



Dimension 1: Academic Exchange Activities and International Students'			
Sub-dimensions	Indicators	Weights	Subdimension weight
1 Volume	1.1.1.: N ^o of students sent (bachelor, master, DD)	35	60
	1.1.2.: N ^o of students received	20	
	1.1.3: Academic Staff sent for TA	15	
	1.1.4: Administrative staff sent for TT	5	
	1.1.5: Academic Staff received for TA	8	
	1.1.6: Administrative staff received TT	5	
	1.1.7 International visiting students	5	
	1.1.8 Regular international students	7	
2 Efficiency	1.2.1: Efficiency in students sent	35	40
	1.2.2: Efficiency in students received	20	
	1.2.3: Efficiency in Academic and Administrative Staff sent	25	
	1.2.4: Ration between sent and received students	20	



INDEX CONSTRUCTION



Dimension 2: QUALITY			
Sub-dimensions	Indicators	Indicator's Weight	Sub-dimensions weight
1 Satisfaction	2.1.1: Satisfaction Level of students SENT	25	36
	2.1.2: Satisfaction Level of students RECEIVED	25	
	2.1.3: Satisfaction Level of Academic Staff SENT	25	
	2.1.4: Satisfaction Level of Administrative Staff SENT	25	
2 Participation	2.2.1: Nº of active DOUBLE DEGREE agreements with students sent and double titles with students sent	55	31
	2.2.2: Nº of Erasmus + MASTERS	45	
3 Management	2.3.1: Ratio of credits recognized for students sent with respect to the number of total ECTS credits per semester	25	29
	2.3.2: Ratio of students sent with a percentage of recognized credits of at least 70% of the total	20	
	2.3.3: Ratio of credits passed by students received with respect to their ECTS load per semester	20	
	2.3.4: Ratio of bachelor or master titles by School with 10% of their credits in English with respect to the total amount of titles at the School	25	
	2.3.5: Nº of INSTITUTIONS with students and teacher s Exchange activity with respect to the total number of agreements with institutions in the last two academic years.	10	
4 International Accreditations	2.4: Percentage of students covered by an official accreditation	100	4



INDEX CONSTRUCTION



DIMENSION 3: COOPERATION FOR DEVELOPMENT			
INDICATORS	ACTIVITIES	WEIGHTS	WEIGHTS
3.3.1: Nº of international cooperation to development activities organized by each School	Courses, exhibitions, presentations and conferences in international cooperation for development and global engagement.	40	30
	Participation in the call for Education in development and awareness-rising	60	
3.3.2: Nº of students participating in calls from the Cooperation for Development Centre (CDC)	Meridies – Cooperation and Programme for Development Cooperation	70	35
	Other Programmes (United Nations and others)	30	
3.3.3: Nº of academic staff participating in actions from CDC calls	Adsideo – Cooperation	50	25
	Teaching Staff Tutorials in Merides Cooperation and Cooperation Programme	30	
	Merides – Staff Programme	10	
	Courses for Teaching STAFF	10	
3.3.4: Nº administrative staff participating in actions from CDC calls	Courses for Administrative STAFF	50	10
	Tutorials through Meridies and Cooperation Programme	30	
	Meridies - Staff	20	



INDEX CONSTRUCTION



DIMENSION 4: INTERNATIONAL PROJECTS	
INDICATORS	WEIGHTS
4.4.1: Nº of competitive international projects	60
4.4.2: Nº of academic staff with participation in calls for international projects managed by the Vice-rectorate for International Relations and Cooperation	10
4.4.3: Study Abroad	30

DIMENSION 5: OTHER	
INDICATORS	WEIGHTS
5.5.1: Collaborations in activities, committees, events, ... organized by UPV	40
5.5.2: School active participation in conferences, courses, networks, seminars, exhibitions ... related to Internationalization	15
5.5.3: Extra funding in euros to support internationalization	30
5.5.4: Fee paying courses and seminars delivered in internationalization	15



INDEX CONSTRUCTION



DIMENSION WEIGHTS	
DIMENSION	WEIGHTS
DIMENSION 1: Academic Exchange Activities	50
DIMENSION 2: Quality	25
DIMENSION 3: Cooperation for Development	8
DIMENSION 4: International Projects	12
DIMENSION 5: Other	5

- ❑ A value for each academic year is calculated ($I A I N T_x$)
- ❑ The final calculation of the indicator is based in last four years $V I A I N T$:

$$V I A I N T_x = I A I N T_x + 0,75 * I A I N T_{x-1} + 0,50 * I A I N T_{x-2} + 0,25 * I A I N T_{x-3}$$



RESULTS



	IAINT 12/13	IAINT 13/14	IAINT 14/15	IAINT 15/16	VIAINT(*)
ETSA	0,5290	0,7351	0,9625	0,2279	1,4496
ETSII	1,0756	1,1289	0,9156	0,7573	2,2774
ETSIAMN	0,8995	0,9314	0,8983	0,4961	1,8603
EPSG	-0,1330	-0,4842	-0,0832	0,2259	-0,1119
ETSID	0,5571	0,1186	0,0471	0,1105	0,3444
FBBA	-0,1510	-0,0715	0,1859	-0,2263	-0,1604
ETSIT	-0,0653	-0,2965	-0,3297	-0,1757	-0,5876
ETSICCP	-0,2255	-0,1412	-0,3343	-0,0851	-0,4628
ETSINF	-0,4923	-0,3852	-0,4334	-0,3019	-0,9426
FADE	-0,1962	0,1921	-0,2366	-0,1812	-0,3116
ETSIGCT	-0,7049	-0,6936	-0,8129	-0,5445	-1,6772
EPSA	-0,5405	-0,4816	-0,1509	-0,0670	-0,5561
ETSIE	-0,6771	-0,7210	-0,6573	-0,2870	-1,3097

$$VIAINT_x = IAIN T_x + 0,75 * IAIN T_{x-1} + 0,50 * IAIN T_{x-2} + 0,25 * IAIN T_{x-3}$$





Thanks for your attention!!!

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