

EVALUARESTANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA
TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
ȘI A GRADELOR PROFESIONALE DE CERCETARE – DEZVOLTARECandidat: Assoc. prof. **Ioana POPESCU**

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Nota:

- Cerintele sunt calculate conform Monitor Oficial 890. Bis/27.12.2012. Standardele minimale necesare sunt trecute in text format "*italic*", iar evaluarea candidatului este in text format "regular"
- Toate referintele pe baza carora este facuta evaluarea sunt detaliate in tabelul ce urmeaza tabelului de evaluare

1. Structura activității candidatului							
Nr. crt	Domeniul	Tipul activităților	Categoriile și restricții	Subcategoriile	Indicatori (kpi)	Punctaj candidat	
							Total
0	1	2	3	4	5	6	7
1.	Activitatea didactica si profesionala (A1)	1.1 Carti si capitole în carti de specialitate	1.1.1. Carti/ capitole ca autor; pentru Profesor minim 2	1.1.1.1 internationale	nr. pagini/(2*nr. autori) (1) 160/2=80 (2) 10/2=5 (3) 42/6=7	92	Total Activitate didactica si profesionala (A1=244)
				1.1.1.2 Nationale	nr. pagini/(5*nr. autori) (1) 174/5=34.8	35	
			1.1.2. Carti/ capitole de carti ca editor/coordonator	1.1.2.1 internationale	nr. pagini/(3*nr. autori)	NA	
				1.1.2.2 nationale	nr. pagini/(7*nr. autori)	NA	
		1.2 Suport didactic	1.2.1. Manuale, suport de curs: pentru Profesor: minim 2 din care 1 ca prim autor	(1) [b3] 2 volume (autor in colaborare) (2) [LN1] (1 autor) (3) [LN2] (autor in colaborare)	nr. pagini/(10*nr. autori) (1) 200/20=10 (2) 100/10=10 (3) 114/10=11	31	
				1.2.2. Indrumare de laborator/aplicatii; pentru Profesor/CSI- minim 2, din care 1 prim autor	(1) [LN3] (1 autor) (2) [LN4] (1 autor) (3) [LN5] (autor in colaborare, prim autor)	nr. pagini/(20*nr. autori) (1) 50/20=2 (2) 40/20=2 (3) 80/40=2	
		1.3. Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educationale (POS, Socrates,	Punctaj unic pentru fiecare activitate (maxim 10 activitati pentru Profesor/CS I)	(1) Coordonator specializare MSc Hidroinformatica (2004-2007) (2) Coordonator proiect EU ETNET21 si	10 per activitate	90	

		Leonardo,sa)		<p>ETNET21 Dissemination (3) Membru in proiectul TENCompetence de dezvoltare de competente pentru "student centered learning" (4) Coordonator EU proiect TMIM – dezvoltare de curricula pentru Egypt. (5) Coordonator a 8 cursuri de modelare matematica pentru specialist in domeniul apei din Iraq (6) Coordonator curs scurt "Introduction to Flood Modelling" (7) Coordonator curs on-line "Flood Modelling for Mangement" (8) Coordonator Modul de studiu "Computational Hydraulics" (9) Coordonator modul de studiu "Modelling and Operation of river systems"</p>			
2.	Activitatea de cercetare (A2)	2.1. Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings	2.1.1. Minim 8 articole pentru Profesor	Selectie a 17 articole ISI. Scorul detaliat este dat in Anexa 1 a acestui document.	(25+20*factor impact)/nr.de aut	234	Total Activitate de cercetare (A2=932)
			2.1.2 Minim 5 articole pentru Conferentiar / CS I		(25+20*factor impact)/nr.de aut	NA	
		2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale*	2.2.1. Minim 12 pentru Profesor	Selectie a 12 articole. Scorul detaliat este dat in Anexa 1 a acestui document.	20/nr.de autori	80	
			2.2.2. Minim 8 pentru Conferentiar		20/nr.de autori	NA	
		2.3. Proprietate intelectuala, brevete de inventie		2.3.1. cotate ISI	50/nr.autori	NA	
				2.3.2. internationale, ne-cotate ISI	35/nr.de autori	NA	
				2.3.3. nationale	25/nr.de autori	NA	
2.4. Granturi/proiecte castigate prin	2.4.1. Director/ responsabil - Minim 2	2.4.1.1. internationale (Scor detaliat prezentat in Anexa 1	20*ani de desfasurare	290			

3.	3. Recunoastere si impactul activitatii (A3)	competitie	pentru Profesor / CS I	a acestui document)			Total Recunoastere si impactul activitatii (A3=207)			
				2.4.1.2. nationale	10*ani de desfasurare	NA				
			2.4.2. Membru in echipa	2.4.2.1. internationale (Scor detaliat prezentat in Anexa 1 a acestui document)	10*ani de desfasurare	340				
				2.4.2.2. nationale [1] navigatie pe bega] [2] ??	5*ani de desfasurare	10				
		2.5. Proiecte de cercetare/consultanta (valoarea de minim 10 000 Euro echivalenti)	2.5.1. Responsabil	(Scor detaliat prezentat in Anexa 1 a acestui document)	5/proiect	15				
			2.5.2 Membru echipa	(Scor detaliat prezentat in Anexa 1 a acestui document)	2/proiect	8				
		3.	3. Recunoastere si impactul activitatii (A3)	3.1. Citări in reviste ISI si BDI si in volumele conferintelor ISI si BDI	(Scor detaliat prezentat in Anexa 1 a acestui document)	ISI		5/nr aut art.citat	35	Total Recunoastere si impactul activitatii (A3=207)
						BDI		3/nr aut art.citat	5	
				3.2. Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale și Profesor invitat (exclusiv ERASMUS)	Punctaj unic pentru fiecare activitate (maxim 10 activitati pentru Profesor/CS I)	internationala		10	30	
						nationale		5	10	
3.3. Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organizator demanifestari stiintifice, Recenzor pentru reviste si manifestari stiintifice nationale si internationale	Punctaj unic pentru fiecare activitate (maxim 10 activitati pentru Profesor/CS I)			ISI	10	60				
				BDI	6	12				
				nationale si internationale neindexate	3	3				
3.4. Experienta de management				Conducere (rector, prorector, cancelar, decan, prodecan, director departament, director scoala doctorala, director, director adj., sef sectie)	5* nr.ani	NA				
				Membru organisme conducere (senat, consiliu facultatii, cons. departament, cons. admin., cons. stiintific)	2*nr ani	~20				
				(1) Indeplinire functie de Deputy Head of						

				Department (din 2004- prezent) (2) Chair al comitetului stiintific al Bibliotecii institutului (din anul 2002 - present)			
		3.5. Premii		Academia Romana	30		NA
				ASAS, AOSR, academiilor de ramura și CNCSIS	15		NA
				premiile internationale 1. Oberman Grant	10		NA
				premiile nationale in domeniu	5		NA
		3.6. Membru in academie, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenență la organizatii din domeniul educatiei si cercetării	Academia Romana		100		NA
			ASAS, AOSR si academiilor de ramura		30		NA
			Conducere asociatii profesionale	internationale	30		NA
				nationale	10		NA
			Asociatii profesionale	internationale	5		5
				nationale	2		2
		Consilii si organizatii in domeniul educatiei și cercetării	Conducere Comitetul de "Education and Profesional Development" at Asociatiei Internationale a cercetatorilor in HydroEnvironment , IAHR (2011-2014)	15		15	
			Membru Membru secretar in Comisia prezentata mai sus (2009-2010)	10		10	

2. Formula de calcul a indicatorului de merit: $A = A_1 + A_2 + A_3$

3. Conditii minimale			
Nr. crt	Domeniul de activitate	Conditii Profesor	Punctaj candidat
0	1	2	3
1	Activitatea didactică / profesională (A1)	Minim 80 puncte	244
2	Activitatea de cercetare (A2)	Minim 300 puncte	972
3	Recunoaștere și impactul activității (A3)	Minim 70 puncte	207
	TOTAL	Minim 450 puncte	1423

4. Publicatii referite in tabelul de evaluare:

1. Carti

[b1] Popescu, I, (2014), *Computational Hydraulics: Numerical Methods and Modelling*, IWA Publishing, London, UK, pp160

[b2] Popescu, I, (1997), *Programarea calculatoarelor*, Editura Mirton, Timisoara, Romania (in romana), pp. 174, ISBN: 973-578-395-9

[b3] Danilescu A, Popescu, I, (1999), *Statica constructiilor, vol 1*, Editura Mirton, Timisoara, Romania, pp.120

[b4] Danilescu A, Popescu, I, Nedescu, D.,(2000), *Statica constructiilor, vol 2*, Editura Mirton, Timisoara, Romania, pp.100

2. Capitole

[ch1] - Popescu I, Unsteady Flow, in "*Floods in a Changing Climate: Inundation Modelling* (G Di Baldassarre)", International Hydrological Series, Cambridge University Press, 2013, Cambridge, UK, pp10

[ch2] - Balica, F, Quan, D, Popescu I Vulnerability and Exposure in Developed and Developing Countries: Large-Scale Assessments, in "*Hydro-meteorological hazards risks, and disasters*" (Schroder et al, editors), Elsevier, pp. 42

3. Manuale suport de curs

[LN1] Popescu, I., (2003), *Numerical Methods for Diferential Equations*, Lecture notes of UNESCO-IHE, pp100

[LN2] Jonoski, A, Popescu, I., (2006), *Catchement modelling using Mike SHE*, Lecture notes of UNESCO-IHE, pp114

[LN3] Popescu, I. (2008), *Hydrodynamic river modelling*, Lecture notes of UNESCO-IHE, pp50

[LN4] Popescu, I., (2003) Knowledge mapping, Lecture notes of UNESCO-IHE for ESCWA region, pp 40

[LN5] Popescu, I. , Ciomocos, D. (1995), Indrumator pentru problem de elasticitatea constructiilor, Universitatea Politehnica din Timisoara, pp80

[LN6] Popescu, I., (2005) Catchement processes modelling using HES-HMS Lecture notes of UNESCO-IHE for Online course Flood Modelling for Management, pp30

[LN7] Jonoski, A, Popescu, I, (2013) Modelling river basins, Lecture notes of UNESCO-IHE for UNDP Iraq training, pp 130

4. Articole recenzate publicate in jurnale (indexate ISI sau SCOPUS)

[a1.] Brandimarte, L., **Popescu, I.**, Neamah, N.K.(2014) Analysis of fresh-saline water interface at the Shatt Al-Arab estuary, International Journal of River Basin Management, (*Article in Press, Online version available*), (doi: [10.1080/15715124.2014.945092](https://doi.org/10.1080/15715124.2014.945092)) (SCOPUS)

[a2.] **Popescu, I.**, Brandimarte, L., Peviani, M. (2014), Effects of climate change over energy production in La Plata Basin, International Journal of River Basin Management, (*Article in Press, Online version available*), (doi: [10.1080/15715124.2014.917317](https://doi.org/10.1080/15715124.2014.917317)) (SCOPUS)

- [a3.] **Popescu, I.**, Cioaca, E., Pan, Q., Jonoski, A., Hanganu, J.(2014), Use of hydrodynamic models for the management of the Danube Delta wetlands: The case study of Sontea-Fortuna ecosystem, *Environmental Science and Policy*, (*Article in Press, Online version available*), (doi: [10.1016/j.envsci.2014.01.012](https://doi.org/10.1016/j.envsci.2014.01.012)) (ISI, SCOPUS)
- [a4.] Castro-Gama, M.E., **Popescu, I.**, Li, S., Mynett, A., van Dam, A. (2014), Flood inference simulation using surrogate modelling for the Yellow River multiple reservoir system, *Environmental Modelling and Software*, 55, 250-265, (doi: [10.1016/j.envsoft.2014.02.002](https://doi.org/10.1016/j.envsoft.2014.02.002)) (ISI, SCOPUS)
- [a5.] Fu, C., **Popescu, I.**, Wang, C., Mynett, A.E., Zhang, F. (2014), Challenges in modelling river flow and ice regime on the Ningxia-Inner Mongolia reach of the Yellow River, China, *Hydrology and Earth System Sciences*, 18 (3), 1225-1237.(doi: [10.5194/hess-18-1225-2014](https://doi.org/10.5194/hess-18-1225-2014)) (ISI, SCOPUS)
- [a6.] Balica, S., Dinh, Q., **Popescu, I.**, Vo, T.Q., Pham, D.Q. (2014) Flood impact in the Mekong Delta, Vietnam, *Journal of Maps*, 10 (2), pp. 257-268 (doi: [10.1080/17445647.2013.859636](https://doi.org/10.1080/17445647.2013.859636)) (ISI, SCOPUS)
- [a7.] Jonoski, A, Almoradie a, Khan K, **Popescu I**, Andel S.J., (2013), Google Android Mobile Phone Applications for Water Quality Information Management, *Journal of Hydroinformatics*, 15(4), 1137 – 1149 (doi: [10.2166/hydro.2012.147](https://doi.org/10.2166/hydro.2012.147)) (ISI, SCOPUS)
- [a8.] Almoradie, **A.**, Jonoski, A., Stoica, F., Solomatine, D., **Popescu, I.** (2013), Web-based flood information system: case study of Somesul-Mare, Romania, *J. of Environmental Engineering and Management*, 12(5), 1065-1070 (ISI, SCOPUS)
- [a9.] Yue, C., **Popescu, I.**, Mynett, A., Quan, P., Postma, L. (2013), Challenges for 2D water quality modelling of lake Taihu in China, *J. of Environmental Engineering and Management*, 12(5), 1031-1044 (ISI, SCOPUS)
- [a10.] Gichamo, T., Jonoski, A., **Popescu, I.**, Morris M, Hassan, M. (2013), Embankment failure modeling using HR Breach Model, *J. of Environmental Engineering and Management*, 12(5), 865-874, (ISI, SCOPUS)
- [a11.] Bhattacharya, B., Shams, M.S., **Popescu, I.** (2013), On the influence of bed forms on flood levels, *J. of Environmental Engineering and Management*, 12(5), 857-863, (ISI, SCOPUS)
- [a12.] van Griensven, A., **Popescu, I.**, Abdelhamid, M.R., Ndomba, P.M., Beevers, L., Betrie, G.D., (2013), Comparison of sediment transport computations using hydrodynamic versus hydrologic models in the Simiyu River in Tanzania, *Physics and Chemistry of the Earth*, 61-62, 12-21 (doi: [10.1016/j.pce.2013.02.003](https://doi.org/10.1016/j.pce.2013.02.003)), (ISI, SCOPUS)
- [a13.] Balica, S. F., **Popescu, I.**, Beevers, L., Wright, N., G., (2013), Parametric and physically based modelling techniques for flood risk and vulnerability assessment: a comparison; *Journal of Environmental Modelling & Software*, 41 (3), 84-92 (doi:[10.1016/j.envsoft.2012.11.002](https://doi.org/10.1016/j.envsoft.2012.11.002)), (ISI, SCOPUS)
- [a14.] Moya-Gomez, V, **Popescu, I**, Solomatine, D., L. Bociort, (2013), Cloud and cluster computing in uncertainty analysis of integrated flood models, *Journal of Hydroinformatics*, 15(1), 55-69 (doi: [10.2166/hydro.2012.017](https://doi.org/10.2166/hydro.2012.017)), (ISI, SCOPUS)
- [a15.] Palomino Cuya, D.G., Brandimarte, L., **Popescu, I.**, Alterach, J., Peviani, M., (2013), A GIS-based assessment of maximum potential hydropower production in La Plata basin under global changes *Journal of Renewable Energy*, 50 (2), 103-114 (doi: [10.1016/j.renene.2012.06.019](https://doi.org/10.1016/j.renene.2012.06.019)), (ISI, SCOPUS)
- [a16.] Dinh, N.Q., Balica, S., **Popescu, I.**, Jonoski, A.,(2012), Climate change impact on flood hazard, vulnerability and risk of the Long Xuyen Quadrangle in the Mekong Delta, *International Journal of River Basin Management*, 10(1), 103-120, (doi: [10.1080/15715124.2012.663383](https://doi.org/10.1080/15715124.2012.663383)), (ISI, SCOPUS)

- [a17.] Van, P. D. T., **Popescu, I.**, van Griensven, A., Solomatine, D. P., Trung, N. H., and Green, A., (2012), A study of the climate change impacts on fluvial flood propagation in the Vietnamese Mekong Delta, *Hydrol. Earth Syst. Sci.*, 16 (12), 4637-4649, ([doi:10.5194/hess-16-4637-2012](https://doi.org/10.5194/hess-16-4637-2012))
- [a18.] **Popescu, I.**, Jonoski, A, Bhattacharya, B. (2012), Experiences from online and classroom education in hydroinformatics, *Hydrology and Earth System Sciences*, 16(11), 3935-3944 ([doi:10.5194/hess-16-3935-2012](https://doi.org/10.5194/hess-16-3935-2012)) (ISI, SCOPUS)
- [a19.] **Popescu, I.**, Jonoski, A., Bociort, L. (2012), Decision Support Systems for flood management in the Timis-Bega catchment, *J. of Environmental Engineering and Management*, 11(11), 847-953 (ISI, SCOPUS)
- [a20.] Jonoski, A., Alfonso, L., Almoradie, A., **Popescu, I.**, van Andel, S.J., Vojinovic, Z., (2012), Mobile phone applications in the water domain, *Environmental Engineering and Management Journal*, 11(5), 919-930, (ISI, SCOPUS)
- [a21.] **Popescu, I.**, Archetti, F., van Andel, S.J., Giordani, I., (2012), Lenvis: A user centric, web services based system to retrieve, analyze and deliver environmental and health information, *Environmental Engineering and Management Journal*, 11 (5), 889-897, (ISI, SCOPUS)
- [a22.] **Popescu, I.**, Brandimarte, L., Perera, M.S.U., Peviani, M.(2012) Assessing residual hydropower potential of the la Plata Basin accounting for future user demands, *Hydrology and Earth System Sciences*, 16 (8), 2813-2823, ([doi:10.5194/hess-16-2813-2012](https://doi.org/10.5194/hess-16-2813-2012)), (ISI, SCOPUS)
- [a23.] Gichamo Z., G., **Popescu, I.**, Jonoski, A., Solomatine D.P. (2012) River Cross Section Extraction from ASTER Global DEM for Flood Modeling, *Journal of Environmental Modelling & Software*, 31(5), 37-46, ([doi:10.1016/j.envsoft.2011.12.003](https://doi.org/10.1016/j.envsoft.2011.12.003)), (ISI, SCOPUS)
- [a24.] Hassaballah, K., Jonoski, A., **Popescu, I.**, Solomatine, D.P, (2012), Model-based optimisation of downstream impact during filling of a new reservoir: case study of Mandaya/Roseires reservoirs on the Blue Nile River, *Water Resources Management*, 26(2), 273-293, ([doi:10.1007/s11269-011-9917-8](https://doi.org/10.1007/s11269-011-9917-8)), (ISI, SCOPUS)
- [a25.] Jonoski, A., **Popescu, I.**, (2012), Distance Learning in Support of Water Resources Management: An Online Course on Decision Support Systems in River Basin Management, *Water Resources Management*, 26(5), 1287-1305 ([doi:10.1007/s11269-011-9959-y](https://doi.org/10.1007/s11269-011-9959-y)), (ISI, SCOPUS)
- [a26.] Betrie, G. D. , van Griensven, A., Mohamed, Y. A., **Popescu, I.**, Mynett A., Hummel S. , (2011), Linking SWAT and SOBEK using Open Modelling Interface (OpenMI) for sediment transport simulation in the Blue Nile River Basin, *Transactions of the ASABE*, 54(5), 1749-1757, (ISI, SCOPUS)
- [a27.] Hartanto, I.M., Beevers, L., **Popescu, I.**, Wright, N.G., (2011), Application of a coastal modelling code in fluvial environments, *J. of Environmental Modelling and Software*, 26(12), 1685-1695, ([doi:10.1016/j.envsoft.2011.05.014](https://doi.org/10.1016/j.envsoft.2011.05.014)), (ISI, SCOPUS)
- [a28.] Jung, N. C., **Popescu, I.**, Price R. K., Solomatine, D., Kelderman, P., Shin, J.K., (2011), The use of the A.G.P. test for determining the phytoplankton production and distribution in the thermally stratified reservoirs: The case of the Yongdam reservoir in Korea. *J. of Environmental Engineering and Management*, 10 (11), 1647-1657, (ISI, SCOPUS)
- [a29.] **Popescu, I.** , Jonoski, A., van Andel, S.J., Onyari, E. Moya Quiroga, V.G., (2010) , Integrated modelling for flood risk mitigation in Romania: case study of the Timis-Bega river basin , *International Journal of River Basin Management*, 8(3-4), 269-280 ([doi:10.1080/15715124.2010.512550](https://doi.org/10.1080/15715124.2010.512550)) (SCOPUS)

- [a30.] Jung, N.C. , **Popescu, I.**, Kelderman, P., Solomatine, D.P., Price, R.K., (2010), Application of Model Trees and Other Machine Learning Techniques for Algal Growth Prediction in Yongdam Reservoir, Republic of Korea, *Journal of Hydroinformatics*, 12 (3), 262–274, (doi:10.2166/hydro.2009.004), (ISI, SCOPUS)
- [a31.] Muste, M., Quinn, P.F., Hewett, C.J.M., **Popescu, I.**, Basu, N.B., Kumar, P., Franz, K., Merwade, V., Arnold, W., Potter, K. (2010), Initiation of the Upper Mississippi River Basin Observatory, *ASCE proceedings, Innovations in Watershed Management under Land Use and Climate Change*, 39,. 1270-1281, (SCOPUS)
- [a32.] Quinn, P., Hewet, C., **Popescu, I.**, Muste, M. , (2010), Towards New Types of Water-centric Collaboration: Instigating the Upper Mississippi River Basin Observatory Process, *Water Management*, 163, 39–51
(doi: 10.1680/wama.2010.163.1.39), (ISI, SCOPUS)
- [a33.] **Popescu, I.**, van der Berg, C.C.(2005), An experience in knowledge mapping, *Journal of Knowledge Management*, 9(2), 123 -128, (doi: 10.1108/13673270510590263), (SCOPUS)
- [a34.] Betrie G., Mohamed, Y., van Griensven, A., **Popescu, I.**, Mynett, A., (2009), Modeling of soil erosion and sediment transport in the Blue Nile Basin using the Open Model Interface Approach, *International Water Management Institute Press* (doi:[10.3910/2009.201](https://doi.org/10.3910/2009.201)) (BDI)
- [a35.] Price, R, Bhattacharya, B., **Popescu, I.**, Jonoski, A. (2007), Flood modelling for management: UNESCO-IHE’s online. course in hydrology, *WMO Bulletin* **56(2)** (BDI)

5. Proiecte obtinute prin competitii (acronym, descriere, responsabilitate I.Popescu, valoare)

5.1. Proiecte de cercetare

- [a36.] **ICeWater**- Improving water and energy efficiency in water distribution networks using novel sensor network technologies and simulation, optimisation and decision support components, EU Fp7 funded project , 2012-2015, **Task:** researcher, (UNESCO-IHE budget: 400.000 euros)
- [p1.] **ProACC** - Post-Doctoral Research Programme on Adaptation to Climate Change (PRoACC) with Special Focus on the Mekong River Basin; 2010-2012, Task: **researcher, guiding hydrodynamic modelling** , (UNESCO-IHE budget: 800.000 euros)
- [p2.] **LENVIS** - Localised environmental and health information services. Specific research on development of localised information services (water-related) for water quality on lakes and dissemination through web infrastructure accessible via mobile phone interfaces, EU Fp7 funded project, 2008-2011, (www.lenvis.eu); Task: **researcher and project coordinator** , (UNESCO-IHE budget: 320.000 euros)
- [p3.] **EnviroGRIDS** - Building Capacity for a Black Sea Catchment Observation and Assessment System supporting Sustainable Development ; EU Fp7 funded project ,Task: Researcher (www.envirogrids.net), 2009-2013 , Task: **researcher** , , (UNESCO-IHE budget: 350.000 euros)
- [p4.] **TENCompetence** - Building European Network for Life long learning Competence development; 2005-2009, EU Fp7 funded project ,Task: **researcher**, responsible with the implementation of the Flood Modelling for management pilot. , (UNESCO-IHE budget: 600.000 euros)
- [p5.] **FloodSITE** - Integrated flood risk analysis and management methodologies ; 2004-2008 , EU Fp7 funded project ,Task: **researcher**, (UNESCO-IHE budget: 370.000 euros)

- [p6.] **DSS-Romania** - DSS Flood for Romania: Feasibility study and market analysis of a Decision Support System ; 2006-2007, PvW project, Task: **project leader and researcher**, (UNESCO-IHE budget: 120.000 euros)
- [p7.] **DC-WFD** - Delft Cluster project DC-Water Framework Directive; 2005-2008, Task: **researcher**, (UNESCO-IHE budget: 80.000 euros)
- [p8.] **I-learning**- PoWER I-learning module “Flood management for modelling”; Task: **Project developer and content provider**, (UNESCO-IHE budget: 50.000 euros)
- [p9.] **SaltIntrusion**- Internal IHE Research funded project :Salinity intrusion in the Antwerp estuary; 2004-2005, Task: **researcher**, (UNESCO-IHE budget: 50.000 euros)
- [p10.] **WetWin** - Enhancing the role of Wetlands in integrated water resources management; 2010-2013; (www.wetwin.net), Task: **provide training in WEAP** for the project partners
- [p11.] **DataNet** - Integrated Urban waste Water System Data Network;DUPC funded project, 2007, Task: **project leader and researcher**, (UNESCO-IHE budget: 25.000 euros)
- [p12.] **WQCauca** - Water Quality Modelling of the river Cauca in Colombia; 2004, Alban funded project, Task: **researcher**, (UNESCO-IHE budget: 25.000 euros)
- [p13.] **HydroplanEU** -: An integrated approach for sewer water management; 2002-2005 , EU funded project, Task: **researcher**, (UNESCO-IHE budget: 200.000 euros)

5.2. *Proiecte Educationale*

- [p15.] **NICHE Bangladesh**- Developing Hydroinformatics curricula for Flood risk at Chitagong University in Bangladeshd 2013-2015; NICHE (Dutch funded project); Task: **content provider**, (UNESCO-IHE budget: 120.000 euros)
- [p16.] **TMT Bhutan** – Flood risk analysis development for Bhutan water professionals using MikeZero 2012-2013; NICHE (Dutch funded project); Task: **project leader and content provider**, (UNESCO-IHE budget: 95.000 euros)
- [p17.] **TMT Egypt** – Revision of the Diploma Course “Hydraulics and Hydrology in Nile river countries” 2011-2012; DGIS funded project; Task: **content provider and reviewer**, (UNESCO-IHE budget: 150.000 euros)
- [p18.] **Vietnam facility** - Advanced training in modeling and information management applications for water, environmental change management and climate change adaptation issues; 2009-2011, EVD funded project; Task: **developing curricula, providing teaching material and conducting ToT trainings** , (UNESCO-IHE budget: 35.000 euros)
- [p19.] **TMIM Egypt** - Technology Management & Integrated Modeling in Natural Resources: A University-Enterprise Win-Win Partnership; 2009-2012; EU TEMPUS unded project; Task: **project leader and curricula development**, (UNESCO-IHE budget: 95.000 euros)
- [p20.] **HHMI** - Hydraulic and Hydrological modelling for Iraqi professionals; 2012-2014, UNDP funded project; Task: **project leader, providing training and assisting with model developments**, (UNESCO-IHE budget 150.000 euros)
- [p21.] **ETNET21** - Europeean Thematic Network for Water and Environment Education and Research, 2001-2003, EU funded project, Task: **project leader and investigator**, (UNESCO-IHE budget: 60.000 euros)

- [p22.] **ETNET21 Dissemination**- EU funded project: to disseminate the findings of the ETNET21 project;2004, EU funded project, Task: **project leader and investigator**, (UNESCO-IHE budget: 20.000 euros)
- [p23.] **Kmap ESCWA** - Knowledge map for water resources in arab countries; 2003, Task: **Content developer**, (UNESCO-IHE budget: 40.000 euros)
- [p24.] **PKS** - Delft Cluster project Participant Knowledge Systems; 2001-2002 ,Task: **researcher and facilitator** of the process for both on-line and face to face interactions, (UNESCO-IHE budget: 50.000 euros)
- [p25.] **ISWH** - International Seminar in Water and Human (In)Security ; NWP funded project, 2002, Task: **researcher and facilitator**, (UNESCO-IHE budget: 40.000 euros)
- [p26.] **Hydro-resources** - On line resource for the Hydrology on-line courses; UNESCO funded project, 2001, Task: **project leader and content development**, (UNESCO-IHE budget: 15.000 euros)

5.3. *Alte proiecte*

- [p27.] **Kmap** - Knowledge map for PoWER, DUPC PoWER funded project, 2003-2005 , Task: **project leader, investigator and content development**, (UNESCO-IHE budget: 80.000 euros)
- [p28.] **DC KMap** - Knowledge map for tunneling area within Delft Cluster; Delft Cluster , funded project, 2001-2004, Task: **project leader, investigator and content development**, (UNESCO-IHE budget: 45.000 euros)