CURRICULUM VITAE

- 1. Family name: B.
- 2. First names: Cosmin
- **3.** Date of birth: October 20^{th} 1984
- 4. Nationality: Romanian
- 5. Civil status: Married
- 6. Education:

Institution	Babeş-Bolyai University, Cluj-Napoca,
	Romania
Date: from (month / year) to (month / year):	September 2008 – July 2010
Degree(s) or Diploma(s) obtained:	MSc on Climate Change and
	Environmental Risk Management
Institution	Rabes-Bolyai University Clui-Napoca

Institution	Babeş-Bolyai University, Cluj-Napoca,
	Romania
Date: from (month / year) to (month / year):	September 2004 – July 2008
Degree(s) or Diploma(s) obtained:	Bachelor in Environmental Science

7. Language skills: (Mark 1 to 5 for competence, 5 being the highest)

Language	Reading	Speaking	Writing
Romanian	Native	native	native
English	5	5	5
French	3	3	2

8. Membership of professional bodies:

- Accredited Environmental management system expert

- Environmental Auditor

- Member of the Collaborative Working Group on Solid Waste Management in Small and Medium-income countries - CWG

- Member of the Resources and Waste Advisory Group

- Evaluator on sustainable development and gender equality for the Sectorial Operational Programme projects

- EU LIFE evaluator

- 9. Other skills: Windows Professional, MS Office, Computer literacy
- 10. Present position: Environmental consultant and waste management expert
- 11. Years of experience: 9
- 12. Key qualifications:

- Environmental Expert, with specific experience regarding Environmental, Social & HS requirements of EBRD and other international financial institutions

- Experience in performing Environmental and Social Due Diligence (ESDD) and Environmental and Social Impact Assessment (ESIA) studies;

- Experience in solid waste management systems in low and middle income countries;

- More than 9 years of experience as an Environmental Consultant;

- Experience in developing feasibility studies;

- Manager of environmental management system assisting companies in obtaining the ISO 14001 certificate.

Country	Date: from (month / year) to (month / year)
Romania	October 2007 - ongoing
Republic of Moldova	2012 - 2013
Germany	2012
Egypt	2013- present
Bulgaria	2012
Ethiopia	December 2014 – February 2015
Tunisia	March 2014 – August 2015
Kosovo and Albania	2014; 2015 – February 2016

13. Specific country experience:

14. Professional Experience Record:

Date:	June 2016 – ongoing
Location:	Egypt
Company:	RWA/GIZ with SECO co-financing
Position:	Solid Waste Management expert
Description:	 The assignment within the National Solid Waste management Programme run by GIZ in Egypt included several main activities as: to integrate the hazardous waste stream into the strategic framework, specifically in the National Waste Management Strategic Plan; to develop a strategic plan for hazardous waste; to develop the legal framework and specific regulations for hazardous waste; to implement a pilot project for the collection and treatment of hazardous waste stream – fluorescent tubes containing mercury.

Date:	June 2015 – ongoing
Location:	Egypt
Company:	RWA/GIZ
Position:	Solid Waste Management expert
Description:	Supporting the Preparation of a National Waste Management Strategic Plan for 2017-2022 and establish the planning framework for improving SWM practices across all waste streams in Egypt, in an integrated and sustainable way. It will also include the implementation of the National Waste Management Directives, and provide a comprehensive base for investment in the waste sector across the whole country leading to the development of Master plans in each Governorate. A separate component includes the development of a national strategic plan and policy framework for hazardous waste.

Date:	November 2015 – March 2016
Location:	International
Company:	CWG/GIZ
Position:	Solid Waste Management expert
Description:	The task was to prepare a Rapid Assessment Tool as an easy to read, informative, honest and impartial information on 'waste to energy' offers that

could better inform decision makers. This tool offers generic questions to understand the technology offer, ask critical financial, technical and
contractual questions and the groundwork needed in order to take an informative decision.

Date:	September 2015 – February 2016
Location:	South Africa
Company:	GIZ/RSA Department of Environmental Affairs
Position:	Waste Management and stakeholder management
Description:	The consultancy services required had the purpose of Scaling up the waste management flagship programme: Diversion of municipal solid waste away from landfills in 6 municipalities from Republic of SA with the aim of reducing greenhouse gases (GHG) emissions within the framework of an Integrated Waste Management System (IWMS).

Date:	September 2015 – February 2016
Location:	Kosovo
Company:	GIZ/KfW
Position:	Waste Management Expert
Description:	Providing consultancy services to facilitate the set-up and draft the technical content of the Solid Waste Management - Performance Based Grant Scheme . The purpose was to develop the scheme starting with several requirements as access criteria for eligibility and developing several performance indicators that can be easily monitored. Based on fulfilment of the access criteria and performance, municipalities could be awarded with capital funds for purchasing various SWM equipment based on local needs and priorities.

Date:	January – June 2015
Location:	Romania
Company:	Tractebel Engineering/EBRD
Position:	Environmental and Social Due Diligence expert
Description:	CET Govora biomass PPP project – This assignment was to perform an environmental and social due diligence (ESDD) for CET Govora with the support of EBRD for the development of a biomass combined heat and power (CHP) plant. The ESD package includes: a baseline assessment of the current situation, an analysis of project environmental and social impacts and benefits, analysing the compliance with EBRD performance requirements, an environmental and social action plan (ESAP), a non-technical summary (NTS) and a stakeholder engagement plan (SEP).

Date:	September 2014 – August 2015
Location:	Romania desk based
Company:	KfW/DEA
Position:	SWM expert
Description:	Alternative Integrated Solid Waste Management (AISWM) Programme for the Republic of South Africa: assisting the Department of Environmental Affairs in management of a multi-municipality investment focused on developing public private partnerships for implementation of advanced waste treatment systems across South Africa. Within the project my task was to

assist and write parts of Knowledge Product 3 - Considerations for Including
the Informal Waste Sector in Advanced Waste Treatment.

Date:	December 2014 – March 2015
Location:	Ethiopia
Company:	GIZ
Position:	Waste management expert
Description:	Assessment and project proposal for the implementation of solid waste management standards in Ethiopia: The assignment was to: develop a rapid assessment guidelines for the improvement of the SWM system at city level; develop and conduct training for a local core team of data collectors; develop a project proposal for a 5 year SWM project in 12 cities, which the Ethiopian Government can easily adjust and submit to potential donors for funding and to develop and conduct training for selected experts from federal, regional and city level.

Date:	October – December 2014
Location:	Kosovo and Albania
Company:	GIZ
Position:	Integrated SWM trainer
Description:	Contribution to the capacity development of practitioners in Kosovo based on the Operator Model sourcebook and Guidance Paper developed during 2012 and 2014. The focus was to provide a specialised practitioner training workshop on the use of the above-mentioned documents for 6 local municipalities to think about selecting and adapting ISWM operator models that are appropriate to their local situation and to gather feedback from training sessions on the applicability of the Guidance paper for a further development and dissemination of this tool.

Date:	April - June 2014
Location:	International, desk based
Company:	Czech Norwegian Funds
Position:	Environmental expert - Project Evaluator
Description:	Czech - Norwegian Research Program Evaluating applications in the field of environment, waste management and waste to energy for the Czech Norwegian Research Program. Evaluated 3 projects.

Date:	March 2014 – June 2015
Location:	Tunisia
Company:	GIZ
Position:	Environmental expert
Description:	Structural Integration of the Informal Sector into the municipal Solid Waste Management in Tunisia. The purpose for the required services was to contribute to the objective of the regional network for integrated SWM- to catalyse the transfer and adaptation of long-term experience with integrated solid waste management and environmental standards across its partner countries. RWA job was to define integration and formalisation of the informal sector active in waste management.

Date:	March – June 2014
Location:	Romania
Company:	LuTz Consulting Kft./ European Commission.
Position:	Environmental consultant
Description:	The purpose of this project was to implement a questionnaire in order to clearly understand the availability use and sustainability of water production for nuclear and fossil fuel energy in Romania within the project – "Geolocalised inventory of water use in cooling processes, assessment of vulnerability and of water use management measures".

Date:	October 2013 – February 2014
Location:	Romania
Company:	Citrus Partners
Position:	Environmental and social consultant
Description:	The assignment was to review and complete a 'concise' environmental and social regulatory analysis to cover the Romanian Institutional Framework, International Environmental and Social Conventions Signed by/Applicable to Romania and the Romanian Environmental and Social Regulatory Framework – including environmental permission processes and requirements. The materials were used for performing an EBRD Environmental and Social Risk Management Training for Financial Intermediaries - UniCredit Tiriac Bank

Date:	July 2013 – August 2014
Location:	Romania and Belarus
Company:	EURONET/ AGEG Consulting
Position:	Environmental impact assessment and SWM expert
Description:	Providing support to the ESIA international expert for the second feasibility study on construction of municipal solid waste landfill in order to increase the effectiveness of waste management in Puhovichy district, Minsk oblast. The objective is to prepare the ESIA assessment according to national and IFI requirements.

Date:	January – March 2014
Location:	Australia – desk based in Romania
Company:	Zero Waste SA
Position:	Solid Waste Management expert
Description:	Review of South Australia's Waste Strategy, 2011-2015. The assignment was to provide policy and economic analysis of South Australia's Waste Strategy for Zero Waste South Australia (ZWSA), an organization working at the forefront of waste management and resource efficiency globally. The focus was on analysing progress towards achieving targets and actions, assessing achievements to date, economic analysis of selected programs in different sectors, and international benchmarking.

Date:	Jan 2012 – January 2014
Location:	International

Company:	GIZ Germany
Position:	Waste management expert
Description:	Operator Models in Low and Middle Income Countries.
	The task was to collect and analyse experiences with operator models for solid waste management in various low- and middle-income countries and different areas along the waste chain to identify success factors for future SWM activities. The study focuses on 5 countries, including Brazil, Egypt, India, Turkey, and Mozambique but will draw upon knowledge and expertise from other parts of the world as well – 127 secondary case studies.

Date:	June 2013 – June 2014
Location:	Romania
Company:	Ecofys (consortium leader)/ EBRD
Position:	Environmental consultant
Description:	Public Sector Energy Efficiency program 2014-2020 : Support and assist the Ministry of Regional Development in preparing all the relevant sections of the ROP in relation to an investment scheme for <i>Energy Efficiency in the Public Sector in Romania (Priority Axis)</i> . This involved providing technical, financial and policy support in preparing the necessary documentation.

Date:	April 2013 – September 2013
Location:	Romania
Company:	Royal Atkins/ EBRD
Position:	Environmental and social Due Diligence expert
Description:	Performing an Environmental and Social Due Diligence for Oltenia Holding (the second largest single generator of power in Romania) regarding the design, procurement, installation and commissioning of equipment necessary for the rehabilitation and modernization of unit 6 of Turceni power plant under the Bank's Environmental and Social Policy.

Date:)	December 2012 – January 2013
Location:	Romania
Company:	EBRD, AllPlan
Position:	Environmental expert
Description:	Feasibility Study for District Heating in Brasov, Romania – The assignment included reviewing the environmental audit and ESAP in accordance to EBRD protocol and guidelines and in correlation with the Project Investment Plan (PIP) and EBRD requirements.

Date:	December 2012 – September 2013
Location:	Romania, Republic of Moldova
Company:	GIZ through GOPA
Position:	Environmental consultant
Description:	Modernisation of Local Public Services in the Republic of Moldova
	The objective of this assignment was to prepare the planning and drafting on the basis of expertise, evidence, experience and stakeholder involvement,

regional solid waste plans which lead directly to the identification of possible project concepts in the North and Centre regions which together would make a
very significant medium and long term impact in the sector.

Date:	January 2012 - February 2013
Location:	Black Sea - Romania
Company:	European Commission through ARCADIS
Position:	Environmental expert
Description:	Pilot project - plastic recycling cycle and marine environmental impact , Case studies on the plastic cycle and its loopholes in the four European regional seas areas. The scope of this study was to analyse marine litter in the four European regional seas and to retrace the litter to its sources. Our task was to conduct the case study for the Black Sea by performing several surveys and analyse existing data on marine littering.

Date:)	May 2012 – October 2014
Location:	Romania
Company:	Cluj County Council – EU Funds
Position:	Environmental and waste expert
Description:	Integrated Solid Waste Management System in Cluj County – awareness raising The implementation of an Integrated Solid Waste Management System in Cluj County has started since 2009. In order to reach the national and international targets for waste recycling, an awareness raising campaign has been included as project component. The objective of this assignment is to provide environmental expert knowledge used in advertising campaigns and to conduct awareness raising meetings all over Cluj County including industry, public authorities and schools. 95 meetings were hold in total with over 2500 participants.

Date:	2011 - 2013
Location:	Romania
Company:	D'Appolonia/ Nabucco International Company
Position:	Environmental expert
Description:	Environmental and Social Impact Assessment for Nabucco Gas Pipeline Project in Romania
	The objective of this assignment was to support the local Nabucco Country Company to prepare the Environmental Impact Assessment documentation for the Romanian section of the Nabucco pipeline covering all environmental permission processes and requirements. Associated tasks have been the verification of the EIA according to national, European and lenders group requirements (EBRD, IFC).

Date:	October- December 2012
Location:	Germany
Company:	GIZ Germany
Position:	Project manager

Description:	Global Extended Producer Responsibility-Informal Sector in Waste
	Management. The project supported an initial meeting between key
	stakeholders in solid waste, industry, the recycling industry, and informal
	recyclers. The goal of the meeting was to exchange ideas and to inspire
	increased innovation and structural co-operation, with a focus on the world's
	fastest-growing economies in Europe, Asia, Africa, and Latin America.

Date:	Feb 2012 – Jun 2012
Location:	Romania
Company:	E-STAR ENERGY
Position:	Environmental Due diligence expert
Description:	Performing an environmental due diligence level I for E-Star in order to modernize and operate heating systems of public institutions, as well as reconstructing outdated and inefficient district heating systems and providing heat supply on the reconstructed system. The due diligence was performed in accordance to all national environmental requirements.

Date:	2011 - 2012
Location:	Romania, Ukraine, Russia
Company:	European Commission through Wasteaware
Position:	Environmental Consultant
Description:	ENPI – Waste Governance . Working on approximation of waste data reporting and waste classification of Ukraine and Russia to the EU Waste Classification and reporting system, by assessing the legislative, administrative and institutional gaps.

Date:	2011
Location:	Romania
Company:	ERM Romania
Position:	Environmental expert
Description:	Environmental and Social Impact Assessment - ESIA for a windfarm project development in Romania: The objective of this assignment was to assess the environmental impacts of a windfarm project and rehabilitation of a high voltage line according to national legislation.

Date:	2011
Location:	Romania, Hungary, Ukraine, Slovakia (desk based)
Company:	CBC HUROUASK
Position:	Environmental consultant
Description:	Evaluation of projects under the second call for proposal for EU CBC Programme for RO, UA, SK, HU for measure 2.1. Environmental Management and Nature Conservation and Measure 4.1. Institutional Strengthening.

Date:	May – June 2011
Location:	Romania, Republic of Moldova

Company:	HUAWEI through BECO Hungary
Position:	Environmental consultant
Description:	Support of Huawei in review and identification of applicable energy efficiency, environmental and waste regulations based on EU Directives in Romania and Moldova and provide a brief English summary of the relevant regulations.

Date:	2010 - 2011
Location:	Romania
Company:	European Climate Foundation through BECO Group
Position:	Environmental consultant
Description:	Evaluating climate policies of Romania within the project "Climate policy tracker for Europe". Climate policies in all policy areas that influence emissions from different industrial sectors were analysed. Policies on renewable energy and energy efficiency were considered separately. The analysis was performed for individual sectors: energy production, industry, buildings, transport, agriculture, forestry.

Date:	2011
Location:	Romania
Company:	Plexus International
Position:	Environmental consultant
Description:	Preparing a legal registry for Plexus International to understand the Romanian legal requirements with respect to environment, health and safety.

Date:	2011
Location:	Romania
Company:	Sonae Sierra
Position:	Environmental auditor
Description:	Perform consultancy services for the implementation of an Environmental Management System (EMS) for ISO 14001 certification purposes of River Plaza Mall, Ramnicu Valcea, Romania. The main focus was put on the use of renewable energy and implementation of energy efficiency solutions.

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Date:	2010-2011
Location:	Romania
Company:	ERM Romania and Hungary/ EBRD
Position:	Due diligence expert
Description:	Environmental and social due diligence - ESDD for Brasov and Buzau Water Company Facility for water infrastructure development on EBRD's behalf. The purpose of this assignment was to carry out ESDD work for compliance with EBRD's Performance Requirements under the 2008 E&S Policy for the proposed investment in rehabilitation of water and wastewater segment.

Date:	2010-2011
Location:	Romania
Company:	ERM Romania and Hungary/ EBRD
Position:	Due diligence expert
Description:	Environmental and social due diligence - ESDD for Medias Municipality for road and water infrastructure development on EBRD's behalf

Date:	2011
Location:	Romania
Company:	ERM Hungary
Position:	Environmental consultant
Description:	Preparing a market research study for market entry for an on shore oil and gas company in Constanta, Vaslui and Bacau County, Romania. The work was carried out in partnership with ERM for a confidential client.

Date:	2010 – October 2013
Location:	Romania
Company:	Ernst & Young – EU Funds
Position:	Expert evaluator
Description:	Evaluating projects financed through the Romania's Regional Operational Programme The task was to evaluate the projects submitted for Regional Development Fund of the EU in the fields of road infrastructure development, industry, urban development and tourism development in Romania especially Transylvania.

Date:	2010
Location:	Romania
Company:	Tricon Ltd. Turkey
Position:	Environmental consultant
Description:	Performing an environment due diligence at ASAS Romania according to national legal environmental requirements in order for the company to get privatised. The due-diligence included waste management, environmental and energy efficiency requirements.

Date:	2010
Location:	Romania
Company:	Grovinvest
Position:	Environmental Impact Assessment expert
Description:	Performing one environmental impact assessment for a chroming and galvanizing investment, and preparing documentation for obtaining the environmental permit. Part of the job was also to represent the client in front of Environmental Authorities.

Location:	Romania
Company:	Ecorys
Position:	Environmental consultant
Description:	Approach the stakeholders in renewable energy and climate change and writing the study " Non cost barriers for renewable energy sources in Romania ", Assignment from Ecorys, report prepared for DG Energy, European Commission.

Date:	2010-2011
Location:	Romania, Turkey
Company:	GTZ
Position:	Logistics coordinator
Description:	Support for organising and preparing necessary materials for the upcoming CWG workshop on waste management topics, Istanbul 2011. Meeting with relevant stakeholders, market research for workshop logistics, and preparation of thematic content.

Date:	2009 - 2010
Location:	Romania
Company:	World Bank, Commission through Leader ATEC
Position:	Expert evaluator
Description:	Monitoring the implementation of the KEP programme at regional level. Offering guidance and couching to the beneficiary for achieving best results. Reporting to the contracting organisation. Assuring good communication flow between the parties involved in the project

Date:	November 2008 – March 2009	
Location:	Austria	
Company:	Siemens AG Vienna	
Position:	Junior Renewable energy expert (Erasmus student)	
Description:	Conducting a market research regarding the Romanian wind energy potential and finding valorising possibilities	
	Evaluate the energy state of the art in Romania, finding energy stakeholders and suggest cooperation possibilities	

Date:	2008	
Location:	Romania	
Company:	Sonae Sierra Romania	
Position:	Environmental consultant	
Description:	 scription: Perform audit, compliance control, and modification of the Environmental Management System of Sonae Sierra shopping mall in Ramnicu Valcea, Romania. Adapting Sonae Sierra's Environmental Management System to Romanian legal requirements. 	

November 2007- March 2008

Location:	Romania			
Company:	Collaborative Working Group (CWG)			
Position:	Project assistant			
Description:Organizing an international conference for "Sustainable Solid WasteManagement - Planning In The Real World – Challenges of sustainable and Affordable Modernization in the Solid Waste Sector" focusing on role of the informal sector in modernization. After the workshop the task w to gather all outputs and write a workshop publication.				

Date:	October 2007 – July 2008
Location:	Romania
Company:	Matra KAP
Position:	Project assistant
Description:	Romania, on its way to a sustainable society project. Collecting data and help developing the national Sustainable Society Index and the Regional Sustainable Society index. Organizing national conference "Programs and politics for a regional sustainable development", conference in which was launched the Regional Sustainable Society Index.

15. Others: n/a

16. Publications:

- Soós, R., Whiteman, A.D., Wilson, D.C., Briciu, C., Nürnberger, S., Oelz, B., Gunsilius, E. & Schwehn E. (2016), Operator Models for delivering municipal solid waste management services in developing countries: Part B - Decision Support. Waste Management & Research, paper under review
- Pop I. N., Baciu C., Briciu C., Tofana V., Bican-Brişan N., (Oct. 2015) Informal sector participation in solid waste management – study case: Cluj-Napoca, Romania. Ecoterra 12(3):36-41. Link: <u>http://www.ecoterra-online.ro/files/1447610764.pdf</u>
- Soos R., Whiteman A., Wilson D.C., Briciu C. and Schwehn E. (Dec. 2013): Operator Models. Respecting Diversity - Guidance Paper for Solid Waste Management Practitioners, for GIZ/BMZ. Link: <u>https://www.giz.de/fachexpertise/downloads/giz2013-en-swm-operator-models-guidance-paper.pdf</u>
- Soos R., Whiteman A., Wilson D.C., Briciu C. and Schwehn E. (Sept. 2013): Operator Models. Respecting Diversity - Concepts for Sustainable Waste Management, for GIZ/BMZ. Link: <u>https://www.giz.de/en/downloads/giz2013-swm-operator-models-sourcebook-en.pdf</u>
- Wilson D.C., Kangojera J.B., Soos R., Briciu C., Spies S., Whiteman A.D., Schwehn, E. and Smith S.R. (Oct. 2013). Operator Models for Delivering Municipal Solid Waste Management Services in Emerging and Developing Countries. Proceedings of International Solid Waste Association (ISWA) World Congress, Vienna, Austria.
- Briciu, C. (2009) "Producing energy from renewable sources. Wind energy in Romania", Ecoterra, Nr. 20: 6-8, year VI. Link: <u>http://www.ecoterra-online.ro/files/1288340197.pdf</u>
- Briciu, C.(2009), "Challenges of sustainable and affordable modernisation in the solid waste sector", Environment and Progress Magazine.
- Popovici C., Soos R. and Briciu C. (2008), Planning in the Real World, Challenges of Sustainable and Affordable Modernization in the Solid Waste Sector, a report from an international workshop, Cluj-Napoca, Romania, Green Partners.

Certification:

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience.

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November 2nd 2016SignatureDate

Cosmin Briciu Name of expert