

PERSONAL INFORMATION	
Name	VERICA TASESKA-GJORGIEVSKA
Address	Krste Misirkov 2, 1000 Skopje
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E-mail	verica@manu.edu.mk ; vericataseska@gmail.com
Date of Birth	22.04.1983
EDUCATION	
• Dates	October 2006 – July 2011 Faculty of Electrical Engineering and Information Technologies, University of "Sts. Cyril and Methodius" - Skopje Master studies; Department: Transmission and Distribution Systems
• Degree	Master of Science in Electrical Engineering
• Dates	October 2001 – June 2006 Faculty of Electrical Engineering and Information Technologies, University of "Sts. Cyril and Methodius" – Skopje Undergraduate Studies; Department: Power Engineering
• Degree	Bachelor of Science in Electrical Engineering
WORK EXPERIENCE	
• Dates	2006 - present
• Institution	Research Center for Energy and Sustainable Development Macedonian Academy of Sciences and Arts (RCESD - MASA)
• Position	2012 – present – Research Assistant 2006 – 2012 – Junior Researcher
PARTICIPATION IN RESEARCH AND STRATEGIC PROJECTS (IN RCESD-MASA)	
• ENERGY PLANNING	<ul style="list-style-type: none"> • Strategy for Energy Development in the Republic of Macedonia until 2030 (Government of Republic of Macedonia, November 2008 – April 2010); • Strategy for Utilization of Renewable Energy Sources in the Republic of Macedonia by 2020 (Government of Republic of Macedonia, January 2009 - August 2010) • Europe and Eurasia Energy Security and Market Development, MARKAL model – Macedonia (USAID, July 2009 – June 2012) • Development of the 2012-2016 Implementation Program for the Energy Strategy in the Republic of Macedonia (World Bank, Ministry of Economy, 2011 - 2013) • Assessment of the impact of the Energy Efficiently Directive, 2012/27/EU, if this is adopted by the Contracting Parties of the Energy Community, (Energy Community, contracted through DecisionWare Group, 2014) • Development of National Energy Strategy 2015-2035 (USAID, contracted through TetraTech, 2014) • Technical support to the Energy Community and its Secretariat to assess the candidate Projects of Energy Community Interest in electricity, gas and oil infrastructure, and in smart grids deployment, in line with the EU Regulation 347/2013, (Energy Community, contracted through REKK, 2016) • Technical Assistance to Modelling Energy Consumption in Households (Energy Community, 2017) • National Energy Development Strategy for the Republic of Macedonia until 2040 (UK Department for International Development (DFID) -The Good Governance Fund, August 2018 – March 2019)

<ul style="list-style-type: none"> • RENEWABLE ENERGY SOURCES • ENVIRONMENT (CLIMATE CHANGES) • OTHER (MOBILITY OF RESEARCHERS) 	<ul style="list-style-type: none"> • Renewables for Isolated Systems - Energy Supply and Waste Water Treatment - RISE (EU FP6, 2005-2007) • Solar Thermal Program, (Austrian Government, 2005-2008) • More Microgrids, Specific Target Research Project – STREP (EU FP6, 2007-2009) • Undertaking GHG Abatement Analysis in the Republic of Macedonia, Second National Communication to UNFCCC (UNDP, 2006-2007) • Green Growth and Climate Change Analytic and Advisory Support Program – Energy Sector Modeling, (World Bank, 2011-2013) • Energy Infrastructure Review Study (World Bank, 2013) • Development of Climate Change Mitigation Scenarios for the Key GHG Emitting Sectors, Third National Report to UNFCCC (UNDP, 2013) • Mitigation analyses and strengthening the QA/QC system related to the GHG Inventory, Macedonia’s First Biennial Update Report (UNDP, 2014) • Supporting the preparation of the Intended Nationally Determined Contribution (INDC) to the UNFCCC (UNDP, 2015) • Implementation of Macedonia’s Second Biennial Update Report (SBUR) on Climate Change (UNDP, 2016-2017) • Development of Researchers Mobility Policy Guidelines for the Region of Western Balkans - WEB-MOB (EU FP6, 2005-2007) • Inter-sectoral Mobility of Researchers in South-Eastern Europe - I-SEEMob (EU FP7, 2009-2011)
<p style="text-align: center;">OTHER ASSIGNMENTS</p>	<ul style="list-style-type: none"> • Promotion of sustainable agricultural practices, energy efficiency and usage of renewable energy sources in rural areas of Republic of Macedonia - Agroenergy, (CeProSARD, Swedish International Development Cooperation Agency - SIDA, March 2009 - September 2009), <i>Role: National expert</i> • Assessment of climate change impacts on energy demand (UNDP, January 2011 - March 2011), <i>Role: National consultant</i> • Mitigating climate change through improving energy efficiency in building sector (UNDP, September 2011 - November 2011), <i>Role: National consultant</i> • Sustainability criteria for biofuels (E4tech, subcontracting to Energy Community, October 2015 - December 2015), <i>Role: National consultant</i> • Support for Low-Emission Development in South Eastern Europe (SLED) (Regional Environmental Center - REC, December 2014 - March 2015), <i>Role: National consultant</i> • Update of the GHG Inventory of the City of Skopje (UNDP, September 2017 – November 2017) <i>Role: National consultant</i> • Second Centralized Review of National Communications and Biennial Reports (UNFCCC, May 2018) <i>Role: Review expert</i>
<p style="text-align: center;">SKILLS</p> <p style="text-align: center;">LANGUAGES</p> <p style="text-align: center;">COMPUTER TOOLS</p>	<p>ENGLISH</p> <ul style="list-style-type: none"> • Energy modelling/planning tools: MARKAL, LEAP, RETScreen, GACMO • Other: METEONORM, IPCC GHG Inventory Software, iSBEMmk
<p style="text-align: center;">PUBLICATIONS</p> <ul style="list-style-type: none"> • SCI OR SCI EXPANDED JOURNALS 	<ol style="list-style-type: none"> [1] Markovska N., Taseska V, Pop-Jordanov J.: SWOT Analyses of the National Energy Sector for Sustainable Energy Development, <i>Energy</i> 34 (2009), 752–756, Elsevier Journal [2] Krkoleva A., Taseska V., Markovska N, Taleski R., Borozan V., Microgrids: The Agria test location, <i>Thermal Science</i>, 2010, Vol. 14, No. 3, pp. 747-758 [3] Taseska V., Markovska N., Causevski A., Bosevski T., Pop-Jordanov J., GHG Emissions Reduction in a Power System Predominantly Based on Lignite, <i>Energy</i> 36 (2011), 2266-2270, Elsevier Journal [4] Ćosić B., Markovska N., Taseska V., Krajačić G., Duić N., The Potential of GHG Emissions Reduction in Macedonia by Renewable Electricity. <i>Chemical Engineering Transactions</i> 25

(2011), 57-62.

- [5] Ćosić B., Markovska N., Taseska V., Krajačić G., Duić N., **Environmental and Economic Aspects of Higher RES Penetration into Macedonian Power System**, *Applied Thermal Engineering*, 43 (2012), 158-162, Elsevier Journal
- [6] Taseska V., Markovska N., Callaway J.M., **Evaluation of Climate Change Impacts on Energy Demand**, *Energy* 48 (2012) 88-95, Elsevier Journal
- [7] Dedinec A., Taseska V., Markovska N., Kanevce G., Bosevski T., Pop-Jordanov J., **The Potential of RES for GHG Emissions Reduction**, *Thermal Science*, 2012, Vol. 16, No. 3, pp. 717-728
- [8] Markovska N., Krkoleva A., Taseska V., Borozan V., Pop-Jordanov J., **Enabling an Environment for Solar and Wind Energy Deployment in the Macedonian Agricultural Sector**, *J. Renewable Sustainable Energy* 5, 041804 (2013); doi: 10.1063/1.4812996
- [9] Dedinec A., Markovska N., Taseska V., Duić N., Kanevce G., **Assessment of Climate Change Mitigation Potential of the Macedonian Transport Sector**, *Energy* 57 (2013) 177-187, Elsevier Journal.
- [10] Ćosić B., Markovska N., Taseska V., Krajačić G., Duić N. **Increasing the Renewable Energy Sources Absorption Capacity of the Macedonian Energy System**, *J. Renewable Sustainable Energy* 5, 041805 (2013); doi: 10.1063/1.4812999
- [11] Taseska V., Dedinec A., Markovska N., Kanevce G., Goldstein G., Pye S., **Assessment of the Impact of Renewable Energy and Energy Efficiency Policies on the Macedonian Energy Sector Development**, *J. Renewable Sustainable Energy* 5, 041814 (2013); doi: 10.1063/1.4813401
- [12] Dedinec A., Markovska N., Ristovski I., Veleviski G., Taseska-Gjorgjievska V., Obradovic-Grncharovska T., Zdraveva P., **Economic and environmental evaluation of climate change mitigation measures in the waste sector of developing countries**, *Journal of Cleaner Production* (2014), 88 (2015) 234-241, doi:10.1016/j.jclepro.2014.05.048
- [13] Taseska-Gjorgjievska V., Dedinec A., Markovska N., Pop-Jordanov J., Kanevce G., Goldstein G., Pye S., **Exploring the Impact of Reduced Hydro Capacity and Lignite Resources on the Macedonian Energy Sector**, *Thermal Science*, 2014, Vol. 18, No. 3, pp. 721-730
- [14] Dedinec, A., Taseska-Gjorgjievska, V. Markovska, N., Pop-Jordanov, J., Kanevce, G., Goldstein, G., Pye, S., Taleski, R. **Low Emissions Development Pathways of the Macedonian Energy Sector**, *Renewable and Sustainable Energy Reviews*, Volume 53 (2016) 1202-1211.
- [15] Dedinec, A., Taseska-Gjorgjievska, V. Markovska, N., Obradovic-Grncharovska T., Duić N., Pop-Jordanov J., Taleski R., **Towards post-2020 Climate Change Regime: Analyses of Various Mitigation Scenarios and Contributions for Macedonia**, *Energy*, 94 (2016) 124-137.

• BOOK CHAPTERS

- [16] Markovska N., Krkoleva A., Taseska V., Bitrak N., **Possibilities of Utilizing Solar Energy Potential in Rural Areas of the Republic of Macedonia**, in: *Energy from Agriculture - Energy for Agriculture*, (Ed. Vukovic V.); ISBN 978-608-65071-2-1; CeProSARD, 2010, pp 11-32
- [17] Markovska N., Krkoleva A., Taseska V., Bitrak N., **Possibilities of Utilizing Wind Energy Potential in Rural Areas of the Republic of Macedonia**, in: *Energy from Agriculture - Energy for Agriculture*, (Ed. Vukovic V.); ISBN 978-608-65071-2-1; CeProSARD, 2010, pp 133-152
- [18] Markovska N., Taseska V., Callaway J., **Energy Demand for Space Heating and Cooling**, in: *Assessing the Economic Impact of Climate Change*, (Ed. Landau S.), UNDP, 2011, pp. 37-56.

• CONFERENCE (FULL PAPER)

- [19] Taseska V., Markovska N., Causevski A., Bosevski T., Pop-Jordanov J., **GHG emissions reduction in a power system predominantly based on lignite**, "5th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems", 29 September - 3 October 2009, Dubrovnik, Croatia; Book of Abstracts, page 346; Full paper in CD Proceedings ISBN: 978-953-6313-98-3
- [20] Krkoleva A., Taseska V., Markovska N., Borozan V., Taleski R., **Introducing the Microgrids concept: description of the pilot test location in Macedonia**, "5th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems", 29 September - 3 October 2009, Dubrovnik, Croatia; Book of Abstracts, page 324; Full paper in CD Proceedings ISBN: 978-953-6313-98-3
- [21] Taseska V., Krkoleva A., Markovska N., **Pilot Microgrid fed with biogas power plant**, 5th Symposium on Recycling Technologies and Sustainable Development, 12 - 15 September, Soko Banja, Serbia; Proceedings, pp. 565-571
- [22] Taseska V., Krkoleva A., Markovska N., **Sustainable energy practices in Macedonian agricultural sector**, 5th Symposium on Recycling Technologies and Sustainable Development, 12 - 15 September, Soko Banja, Serbia; Proceedings, pp. 572-579

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- [24] Krkoleva A., Taleski R., Markovska N., Taseska V., Kanevce G., **Implementation of the Feed-in Tariffs in the Macedonian Power System**, *8th International Conference on the European Energy Market (EEM)*, 2011 pp. 935-940, 25 - 27 May 2011, doi: 10.1109/EEM.2011.5953143
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- [26] Ćosić B., Markovska N., Taseska V., Krajačić G., Duić N., **Improving the RES Absorption Capacity of the Macedonian Energy System**. *ECOS 2011: Proceedings of the 24th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems*, 4-7 July, 2011, Novi Sad, Serbia.
- [27] Sazdovski I., Taseska V., Markovska N., **Assessment of Policy and Technical Needs for Successful Municipal Energy Efficiency Planning**, *ECOS 2011: Proceedings of the 24th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems*, 4-7 July, 2011, Novi Sad, Serbia.
- [28] Markovska N., Krkoleva A., Taseska V., Borozan V., Pop-Jordanov J., **Enabling environment for better utilization of solar and wind energy in Macedonian agricultural sector**, *6th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems*, 25-29 September 2011, Dubrovnik, Croatia; Book of Abstracts, page 88, ISBN: 978-953-7738-12-9, paper CD Proceedings ISBN: 978-953-7738-13-6, paper number 172 (invited for submission in Applied Energy).
- [29] Markovska N., Taseska V., Krkoleva A., Borozan V., Pop-Jordanov J., **Comparative assessment of solar and wind energy pilot projects in rural areas**, *6th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems*, 25-29 September 2011, Dubrovnik, Croatia; Book of Abstracts, page 465, ISBN: 978-953-7738-12-9, paper in CD Proceedings ISBN: 978-953-7738-13-6, paper number 166.
- [30] Taseska V., Markovska N., Callaway J.M., **Evaluation of climate change impacts on energy demand**, *6th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems*, 25-29 September 2011, Dubrovnik, Croatia; Book of Abstracts, page 273, ISBN: 978-953-7738-12-9, paper in CD Proceedings ISBN: 978-953-7738-13-6, paper number 167.
- [31] Dedinec A., Taseska V., Markovska N., Kanevce G., **The potential of RES for GHG emissions reduction**, *6th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems*, 25-29 September 2011, Dubrovnik, Croatia; Book of Abstracts, page 472, ISBN: 978-953-7738-12-9, paper in CD Proceedings ISBN: 978-953-7738-13-6, paper number 1002.
- [32] Taseska V., Krkoleva A., Markovska N., Taleski R., Kanevce G., **Potential and possibilities for utilization of renewable energy sources in the Republic of Macedonia**, *7th Conference Mako Cigre*, 2-4 October 2011, Ohrid, Macedonia; Book of Abstracts ISBN: 978-608-4578-02-4, CD Proceedings ISBN: 978-608-4578-03-9, paper number C6-149R.
- [33] Taseska V., Markovska N., Kanevce G., Goldstein G., Pye S., **Assessment of the Impact of Renewable Energy and Energy Efficiency Policies on the Macedonian Energy Sector Development**, *7th Conference on Sustainable Development of Energy, Water and Environment Systems*, SDEWES – Ohrid, 1-6 July 2012, Book of Abstracts, p. 88; Full Paper in CD Proceedings, ISSN 1847-7186, SDEWES2012.0356.
- [34] Dedinec A., Taseska V., Markovska N., Kanevce G., **Assessment of Climate Change Mitigation Potential of the Macedonian Transport Sector**, *7th Conference on Sustainable Development of Energy, Water and Environment Systems*, SDEWES – Ohrid, 1-6 July 2012, Book of Abstracts, p. 206; Full Paper in CD Proceedings, ISSN 1847-7186, SDEWES2012.0471.
- [35] Sazdovski I., Taseska V., Trpevski S., Markovska N., **Estimating the Marginal Cost and Environmental Effectiveness of the Climate Change Mitigation Measures in Public Buildings in Macedonia**, *7th Conference on Sustainable Development of Energy, Water and Environment Systems*, SDEWES – Ohrid, 1-6 July 2012, Book of Abstracts, p. 219; Full Paper in CD Proceedings, ISSN 1847-7186, SDEWES2012.0519
- [36] Taseska-Gjorgievska V., Dedinec A., Kasek L., Bayar A., Dramais F., Opese M., **Energy and Environmental Policies in Macedonia**, *EcoMod2013 Conference*, 1-3 July 2013, Prague, Czech

Republic.

- [37] Dedinec A., Taseska V., Markovska N., Pop-Jordanov J., Kanevce G., Goldstein G., Pye S., **Low Emissions Development Pathways of the Macedonian Energy Sector**, 8th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems, 22-27 September 2013, Dubrovnik, Croatia, SDEWES2013.0751
- [38] Taseska V., Dedinec A., Markovska N., Pop-Jordanov J., Kanevce G., Goldstein G., Pye S., **Exploring the Impact of Reduced Hydro Capacity and Lignite Resources on the Macedonian Energy Sector**, 8th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems, 22-27 September 2013, Dubrovnik, Croatia, SDEWES2013.0752
- [39] Markovska N., Dedinec A., Taseska-Gjorgievska V., Obradovic Grncarovska T., Duic N., Pop-Jordanov J., Kanevce G., **Towards Post-2020 Climate Change Regime: Comparative Assessment of Various Scenarios and Contributions for a non-Annex I country**, 1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems - SEE SDEWES Ohrid 2014, 29 June - 3 July 2014, SDEWES.SEE2014.0133.
- [40] Markovska N., Taseska-Gjorgievska V., Dedinec A., Obradovic Grncarovska T., Duic N., Pop-Jordanov J., Kanevce G., **EU 2030 Climate Targets - a Perspective of an EU Candidate Country**, 1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems - SEE SDEWES Ohrid 2014, 29 June - 3 July 2014, SDEWES.SEE2014.0147.
- [41] Taseska-Gjorgievska V., Dedinec A., Markovska N., Pop-Jordanov J., Kanevce G., **Towards Affordable, Secure and Acceptable Electricity Supply: Analysis of the Fuel Mix Changes in a Power System Predominantly Based on Coal**, 1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems - SEE SDEWES Ohrid 2014, 29 June - 3 July 2014, SDEWES.SEE2014.0132.
- [42] Sazdovski I., Taseska-Gjorgievska V., Dedinec A., Markovska N., **Creating an enabling environment for successful energy management in municipalities with double-layer self-government - Case study of the City of Skopje**, 1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems - SEE SDEWES Ohrid 2014, 29 June - 3 July 2014, SDEWES.SEE2014.0128
- [43] Dedinec, A., Markovska, N., Duic N., Obradovic Grncarovska T., Taseska-Gjorgievska V., Kanevce G., Pop-Jordanov J., **Environmental, Economic and Social aspects of Climate Change Mitigation in Macedonia**, 10th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Dubrovnik, 25 September - 02 October 2015, SDEWES2015.1132.
- [44] Dedinec, A., Taseska-Gjorgievska, V. Markovska, N., Kanevce, G., Pop-Jordanov, J., Delaquil P., Goldstein, G., **Impact Assessment of the Energy Efficiency Directive Implementation in the Energy Community Countries**, 10th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Dubrovnik, 25 September - 02 October 2015, SDEWES2015.0793

ATTACHMENT 1. Reference list of most relevant assignments/projects – Verica TASESKA-GJORGIEVSKA

1. Title: GHG Mitigation Analysis and Projections of Emissions <i>Client:</i> Ministry of Environment and Physical Planning	
<i>Duration:</i> 11/2006 - 05/2007 <i>Funding:</i> UNDP/GEF	<i>Role:</i> Junior expert, member of the RCESD-MASA team <i>Description:</i> GHG mitigation analyses within the Macedonia's Second National Communication under the UNFCCC; development of baseline and mitigation scenarios and projections of GHG emissions using GACMO model
2. Title: Compilation of the Second National Communication under UNFCCC <i>Client:</i> Ministry of Environment and Physical Planning	
<i>Duration:</i> 06/2008 – 10/2008 <i>Funding:</i> UNDP	<i>Role:</i> Junior expert <i>Description:</i> Technical support in preparation of the final document submitted to the UNFCCC
3. Title: Strategy for Energy Development in the Republic of Macedonia until 2030 <i>Client:</i> Ministry of Economy	
<i>Duration:</i> 11/2008 – 04/2010 <i>Funding:</i> National budget	<i>Role:</i> Junior expert, member of the RCESD-MASA team <i>Description:</i> Contribution to the development of the scenarios; testing the scenarios with MARKAL model; technical support in providing data and compilation of the final document
4. Title: Strategy for Utilization of Renewable Energy Sources in the Republic of Macedonia until 2020 <i>Client:</i> Ministry of Economy	
<i>Duration:</i> 01/2009 - 09/2010 <i>Funding:</i> National budget	<i>Role:</i> Junior expert, member of the RCESD-MASA team <i>Description:</i> Contribution to the development of the scenarios; testing the scenarios with MARKAL model; technical support in providing data and compilation of the final document
5. Title: Promotion of sustainable farming and energy practices in the rural communities in Macedonia <i>Client:</i> NGO "CeProSARD"	
<i>Duration:</i> 03/2009 – 09/2009 <i>Funding:</i> Swedish International Development Cooperation Agency (SIDA)	<i>Role:</i> National expert <i>Preparation of the following studies:</i> "Introduction of solar energy in agriculture and rural communities in Macedonia" "Introduction of wind energy in agriculture and rural communities in Macedonia" (Development of pilot projects using RETScreen software tool; contribution to the Stakeholders analysis and development of Problem and Objective trees)
6. Title: Europe and Eurasia Regional Energy Security and Market Development - Phase I+II <i>Client:</i> International Resource Group, USA	
<i>Duration:</i> 07/2009 - 09/2012 <i>Funding:</i> USAID	<i>Role:</i> Modeler, Analyst (member of the RCESD-MASA team) <i>Description:</i> Updating and improving the national energy system model MARKAL-Macedonia and use it to assess national planning priorities.
7. Title: Assessment of CC impacts on energy demand <i>Client:</i> UNDP	
<i>Duration:</i> 01/2011 – 03/2011 <i>Funding:</i> UNDP	<i>Role:</i> National Individual Consultant – Energy Expert <i>Responsible for the following tasks:</i> <ul style="list-style-type: none"> – Assessment of the climate change damages and the net benefits of adaptation associated with the residential and commercial sectors for the heating and cooling demands, using MARKAL model, calibrated for Macedonia; – Preparation of a narrative background analysis on the MARKAL assessment; – Provision of input to the draft version of the study on climate change impacts on heating and cooling demands of the residential and commercial sectors; – Provision of a training seminar on software tools for climate data generation and validation as well as energy modeling (METEONORM, GACMO and RETScreen).

<p>8. Title: Mitigating climate change through improving energy efficiency in building sector</p> <p><i>Client: UNDP</i></p>	
<p><i>Duration: 09/2011 – 11/2011</i></p> <p><i>Funding: UNDP</i></p>	<p><i>Role: National Individual Consultant</i></p> <p><i>Responsible for the following tasks:</i></p> <ul style="list-style-type: none"> – Generation of data sets of solar radiation in METEONORM on hourly values of typical year for 4 meteorological stations: Skopje, Bitola, Berovo and Demir Kapija. – Preparation of an assessment report using the RetScreen modeling tool software addressing the following topics: <ul style="list-style-type: none"> ○ Generation of models of typical groups of public buildings ○ Analysis of the effect of implementation of predefined measures for improving energy efficiency for each typical group and projection for their introduction in near future (5 to 10 years, as applicable) ○ Summarization of the economical and environmental analyses/parameters of introduction of the measures. ○ Projection of the GHG reduction potential in public buildings by implementation of energy efficiency measures ○ Recommendation for future implementation of the energy efficiency measures based on a cost-benefit analysis. – Presentation of the findings of the assessment report on a consultative workshop.
<p>9. Title: Macedonia Green Growth and Climate Change Analytic and Advisory Support Program</p> <p><i>Client: World Bank</i></p>	
<p><i>Duration: 12/2011 – 06/2012</i></p> <p><i>Funding: World Bank</i></p>	<p><i>Role: Junior expert, Modeler, Analyst (member of the RCESD-MASA team)</i></p> <p><i>Description: Assessment of the costs and opportunities of developing Macedonia's energy sector under green growth scenarios, using the energy system model MARKAL-Macedonia Model.</i></p>
<p>10. Title: Development of Climate Change Mitigation Scenarios for the key GHG Emitting Sectors</p> <p><i>Client: Ministry of Environment and Physical Planning</i></p>	
<p><i>Duration: 04/2013 – 07/2013</i></p> <p><i>Funding: UNDP/GEF</i></p>	<p><i>Role: Junior expert, Modeler, Analyst (member of the RCESD-MASA team)</i></p> <p><i>Description: Comprehensive assessment of climate change mitigation potential in the country in several key sectors by revising the baseline scenario from the Second National Communication on Climate Change and development of several mitigation scenarios in coordination with other consultants.</i></p>
<p>11. Title: Assessment of the impact of the Energy Efficiency Directive, 2012/27/EU, if this is adopted by the Contracting Parties of the Energy Community (EC)</p> <p><i>Client: Energy Community Secretariat</i></p>	
<p><i>Duration: 11/2013 – 07/2014</i></p> <p><i>Funding: Energy Community Secretariat</i></p>	<p><i>Role: Modeler, Analyst (member of the RCESD-MASA team)</i></p> <p><i>Description: As a part of a consortium led by DecisionWare Group (DWG), RCESD-MASA team has responsibility to perform cost-benefit analyses using the EC-TIMES model in order to determine the potential costs and savings that might result from the adoption of this new European Union directive on the Contracting Parties of the Energy Community. The study is analyzing the energy efficiency target, the public building retrofit requirement, the supplier obligation scheme, and the cogeneration cost-benefit study requirement. The study also includes various alternative proposals and sensitivity analysis to support a recommendation of adoption by the Secretariat.</i></p>
<p>12. Title: Mitigation analyses and strengthening the QA/QC system related to the GHG Inventory, Macedonia's First Biennial Update Report</p> <p><i>Client: Ministry of Environment and Physical Planning</i></p>	
<p><i>Duration: 12/2013 – 08/2014</i></p> <p><i>Funding: UNDP/GEF</i></p>	<p><i>Role: Modeler, Analyst (member of the RCESD-MASA team)</i></p> <p><i>Participation in the following activities:</i></p> <ul style="list-style-type: none"> – Supporting the introduction of QA/QC procedure for preparation of GHG Inventory; – Analytical work: Improvement the Mitigation Scenarios; – Provide analytical and technical support of the participatory activities; – Capacity building.

13. Title: Support for Low-Emission Development in South Eastern Europe (SLED) <i>Client: Regional Environmental Center for Central and Eastern Europe – REC (Hungary)</i>	
<i>Duration: 11/2013 – 07/2014</i> <i>Funding: Regional Environmental Center – REC</i>	<i>Role: National consultant</i> <i>Description: Providing data and analyzing the results for Macedonia obtained from the energy model used in this project.</i>
14. Title: Supporting the preparation of the Intended Nationally Determined Contribution (INDC) to the UNFCCC <i>Client: Ministry of Environment and Physical Planning</i>	
<i>Duration: 03/2015 – 06/2015</i> <i>Funding: UNDP/GIZ</i>	<i>Role: Modeler, Analyst (member of the RCESD-MASA team)</i> <i>Participation in the following activities:</i> <ul style="list-style-type: none"> – Validation the existing and additional mitigation measures analyzed in FBUR; – Revision and modelling of validated measures; – Cost benefits analysis and co-benefits calculation; – Scenario development and analyses of different contribution types; – Provide technical support of INDC submission document.
15. Title: Implementation of Macedonia's Second Biennial Update Report (SBUR) on Climate Change <i>Client: Ministry of Environment and Physical Planning</i>	
<i>Duration: 08/2016 – 04/2017</i> <i>Funding: UNDP/GEF</i>	<i>Role: Modeler, Analyst (member of the RCESD-MASA team)</i> <i>Description: Supporting development and improving the quality of the national GHG inventory, and revision/validation of the mitigation scenarios developed under the FBUR, along with detailed assessment of co-benefits of the mitigation scenarios and impact analyses of different policy instruments for GHG emission reduction.</i> <i>Participation in the following activities:</i> <ul style="list-style-type: none"> • GHG Inventory: <ul style="list-style-type: none"> – Revision and updating of the existing National GHG Inventory; – Development of the GHG inventory for 2013 and 2014 (for Energy and Waste sectors); – QA/QC analysis for sectors Agriculture, Forestry and Land Use (AFOLU) and IPPU; – Uncertainty and Key Category analysis; – Compilation of the National Inventory Report and development of CRF tables for 2014. • Climate Change Mitigation: <ul style="list-style-type: none"> – Improving the latest mitigation scenarios including non-energy sectors; – Cost benefits analysis and co-benefits calculation; – Analytical and technical support of the participatory activities; – Impact assessment for at least two mitigation policies and measures – Development of Mitigation Action plan and mitigation tables; – Capacity building
16. Title: Update of the GHG inventory of the City of Skopje <i>Client: City of Skopje</i>	
<i>Duration: 08/2017 – 10/2017</i> <i>Funding: UNDP/GEF</i>	<i>Role: National consultant</i> <i>Responsible for the following activities:</i> <ul style="list-style-type: none"> – Revision and updating, as needed, the GHG inventory for the City of Skopje for years 2008 and 2012 – Preparation of GHG inventory for the City of Skopje for sectors Stationary Energy and Industrial Processes and Product Use - IPPU, for three years (2013, 2014 and 2015) – Writing the inventory report for the same sectors

17. Title: **Development of an Energy Development Strategy for the Republic of Macedonia until 2040**

Client: *Government of the Republic of Macedonia*

Duration: 08/2018 – 03/2019

Funding: UK Department for International Development (DFID) - The Good Governance Fund

Role: Junior expert, Modeler, Analyst (member of the RCESD-MASA team)

Description: Developing a new Energy Development Strategy for the Republic of Macedonia until 2040 in accordance with the Energy Community (EC) agreements, EU energy targets and regional development trends, while considering Macedonia's development potential. The strategy will integrate climate and environmental aspects of the energy sector, while proposing and affordable, reliable and sustainable energy future for the country.

Participation in the following activities:

- Market analysis and assessment of energy sector, focusing on three areas: district heating, energy efficiency and environment
- Updating the MARKAL-Macedonia model with the most recent input data
- Developing three scenarios for energy sector development until 2040 with MARKAL-Macedonia
- Participation in the consultative meetings with the relevant national stakeholders, including civil society