

Core OSeMOSYS versions	Key changes to previous version	Compatible add-ons
OSeMOSYS_2017_11_08/ OSeMOSYS_2016_08_01_short Published: 13 November 2017 Sample Data file: UTOPIA_2017_11_08	<ul style="list-style-type: none"> - Modified Emission Accounting equations in the full version - Modified Emission Accounting equations in the short version - Fixed bugs in: Storage Constraints, Salvage Value, RE Production Target and Objective function equations 	Flexible Demand
		Prioritisation of Demands
OSeMOSYS_2016_08_01/ OSeMOSYS_2016_08_01_short Published: 1 August, 2016 Sample Data file: UTOPIA_2016_08_01	<ul style="list-style-type: none"> - Corrected bugs in storage equations of the short version - Improved representation of the minimum renewable generation target: parameter REMinProductionTarget is no more indicated by the user as a percentage of the demand for a given fuel f, but as a percentage of the production of a given fuel f 	Flexible Demand
		Prioritisation of Demands
OSeMOSYS_2015_08_27/ OSeMOSYS_2015_08_27_short Published: 24 August, 2015 Sample Data file: UTOPIA_2015_08_27	<ul style="list-style-type: none"> - Removed the parameter TechWithCapacityNeededToMeetPeakTS from constraint CAa4_Constraint_Capacity - Fixed a bug related to using CapacityOfOneTechnologyUnit in constraint CAa5_TotalNewCapacity - Fixed a bug in the storage equations which caused an error if more than one day type was used - DiscountRate no longer technology-specific. DiscountRateStorage replaced by DiscountRate 	Flexible Demand
		Prioritisation of Demands
OSeMOSYS_2013_05_10¹/ OSeMOSYS_2013_05_10_short Published: 10 May, 2013 Sample Data file: UTOPIA_2013_05_10	<ul style="list-style-type: none"> - Re-ordered the arguments of parameters, variables and constraints to be compatible for use with the ANSWER interface which is currently being developed by Noble-Soft Systems Pty Ltd. - Significantly reduced the total number of equations by integrating them into the existing inequalities. This eliminates the need to calculate and store intermediate values. 	Flexible Demand
		Prioritisation of Demands

¹ Henceforth, this reordered indexing will be applied to all future versions of the OSeMOSYS model

<p>OSeMOSYS_2013_04_30</p> <p>Published: 30 April, 2013</p> <p>Sample Data File: UTOPIA_2013_04_30</p>	<ul style="list-style-type: none"> - A bug was fixed which occurred if concrete blocks of capacity were to be considered, i.e., if the parameter 'CapacityOfOneTechnologyUnit' was chosen to be unequal to zero. In this case the 'NewCapacity' variable was left undefined. The derived variable 'CapitalInvestment' was therefore not calculated correctly. 	<p>Flexible Demand</p> <hr/> <p>Prioritisation of Demands</p>
<p>OSeMOSYS_2013_03_14</p> <p>Published: 14 March, 2013</p> <p>Sample Data file: UTOPIA_2013_03_14</p>	<ul style="list-style-type: none"> - Introduced the option to choose between sinking fund and straight line depreciation - Removed parameter 'SalvageFactor', which was not used by the model - Fixed a bug in the storage equations which caused an error if more than one day type was used 	<p>Flexible Demand</p> <hr/> <p>Prioritisation of Demands</p>
<p>OSeMOSYS_2012_06_01</p> <p>Published: 01 June, 2012</p> <p>Example Data file: UTOPIA_2012_06_01</p>	<p>Introduced:</p> <ul style="list-style-type: none"> - Trade between regions - Technology additions in predefined blocks of capacity - Variability in generation - Improved storage modeling <p>Reduced number of equations created, removed obsolete parameter definitions and changed file extensions for better use with GUSEK.</p>	<p>Flexible Demand</p> <hr/> <p>Prioritisation of Demands</p> <hr/> <p>Variability in generation (Added to core code)</p> <hr/> <p>Storage (Added to core code)</p>
<p>OSeMOSYS_2011_11_08</p> <p>Published: 08 November, 2011</p> <p>Sample Data file: UTOPIA_2011_11_08</p>	<ul style="list-style-type: none"> - Minor bug fixes and cosmetic changes 	<p>Flexible Demand</p> <hr/> <p>Prioritisation of Demands</p> <hr/> <p>Variability in generation</p> <hr/> <p>Storage</p>
<p>OSeMOSYS_2011_07_07</p> <p>Published: 07 July, 2011</p> <p>Sample Data file: UTOPIA_2011_07_07.txt</p>	<ul style="list-style-type: none"> - Removed the need to include the parameter 'StartYear' - Emissions discounting is introduced - Removed a bug in the salvage value calculation 	
<p>OSeMOSYS_2011_01_01</p> <p>Published: 15 June, 2011</p>	<p>First openly accessible version, as documented in "OSeMOSYS: The Open Source Energy Modeling System - An introduction to its ethos, structure and development"</p>	

Sample Data file: UTOPIA.txt		
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