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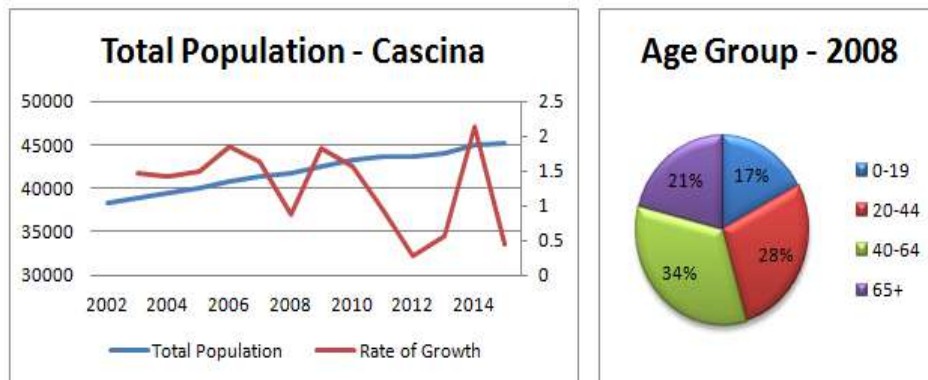


Figure 2: Population

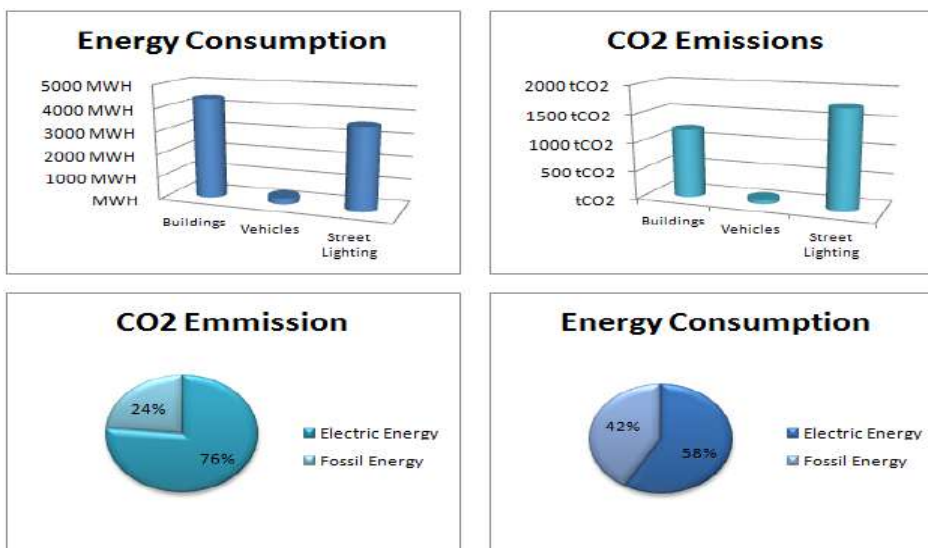


Figure 3: Municipality

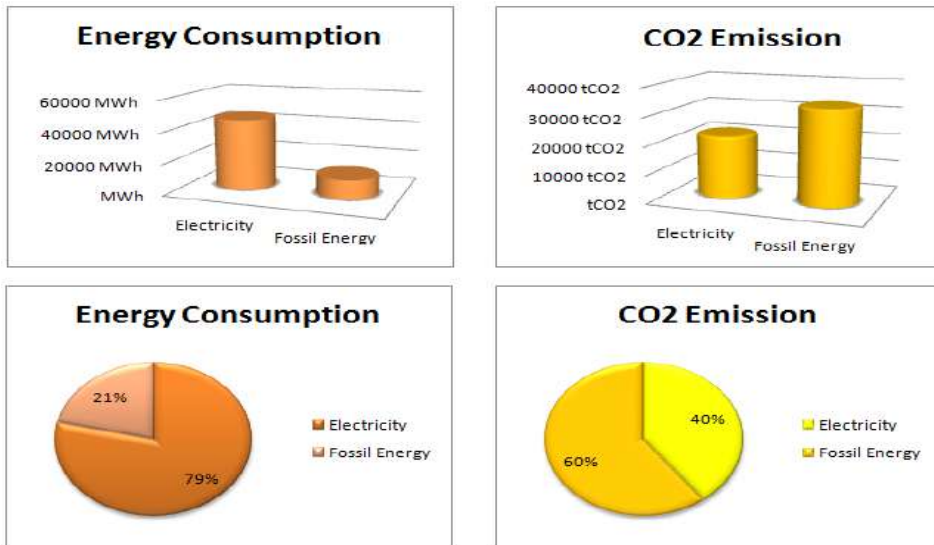


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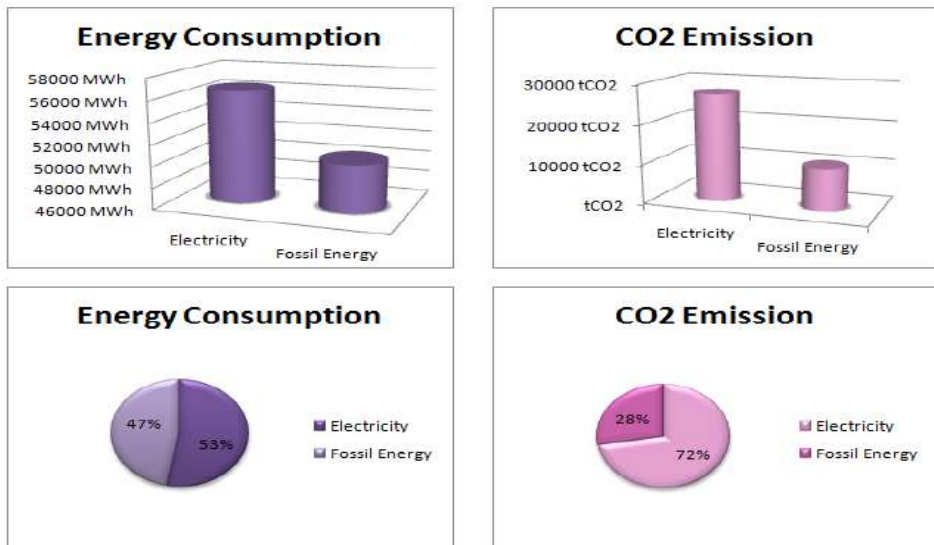


Figure 5: Total Economic Sector

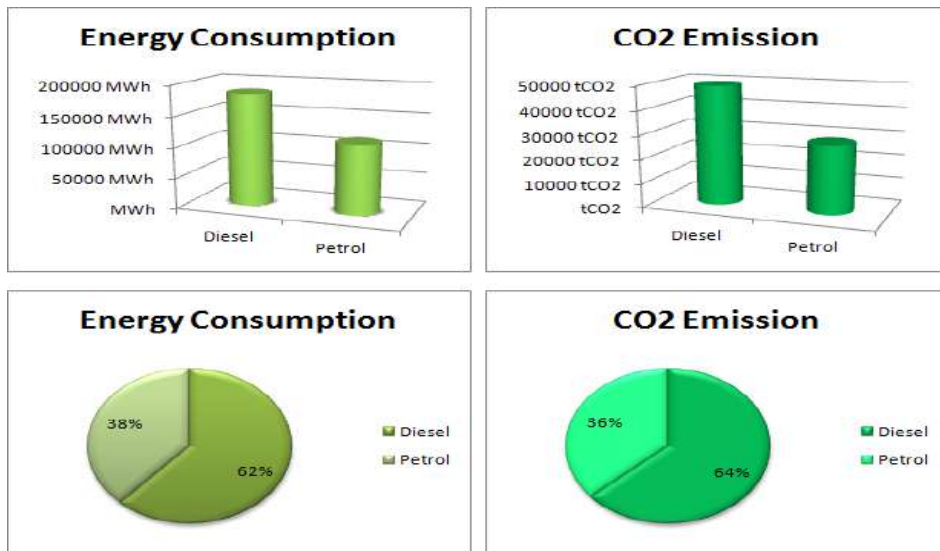


Figure 6: Transport

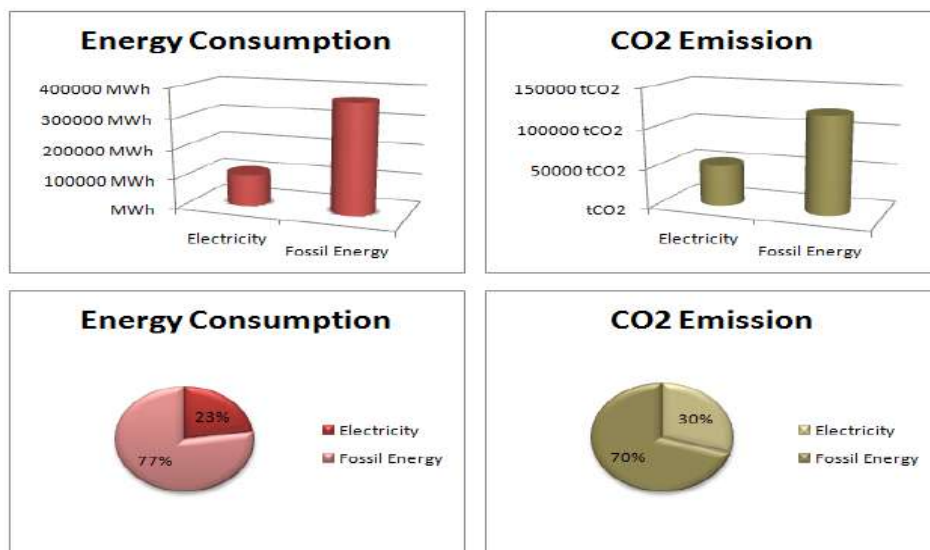


Figure 7: Total

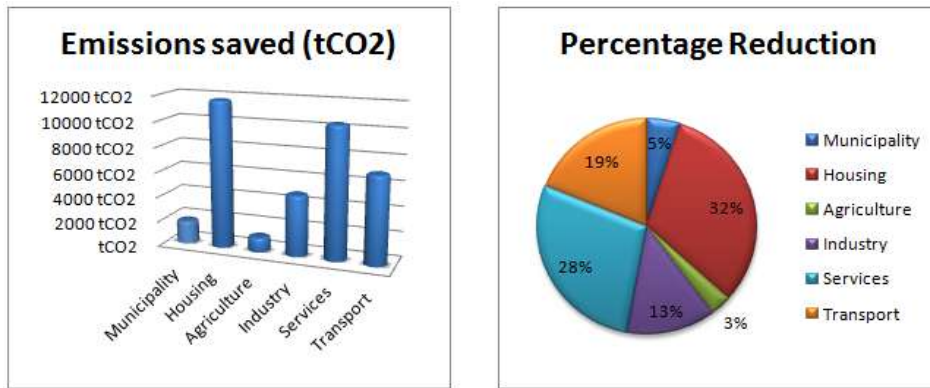


Figure 8: Rid PAES

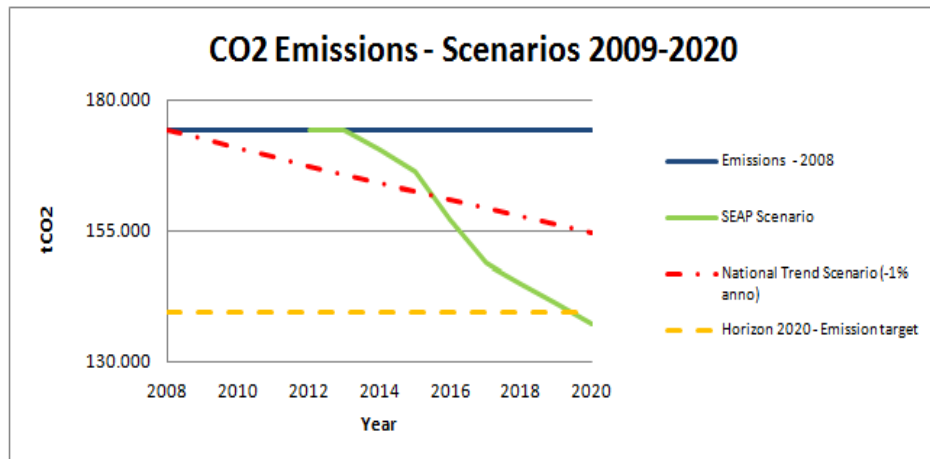


Figure 9: Scenario PAES

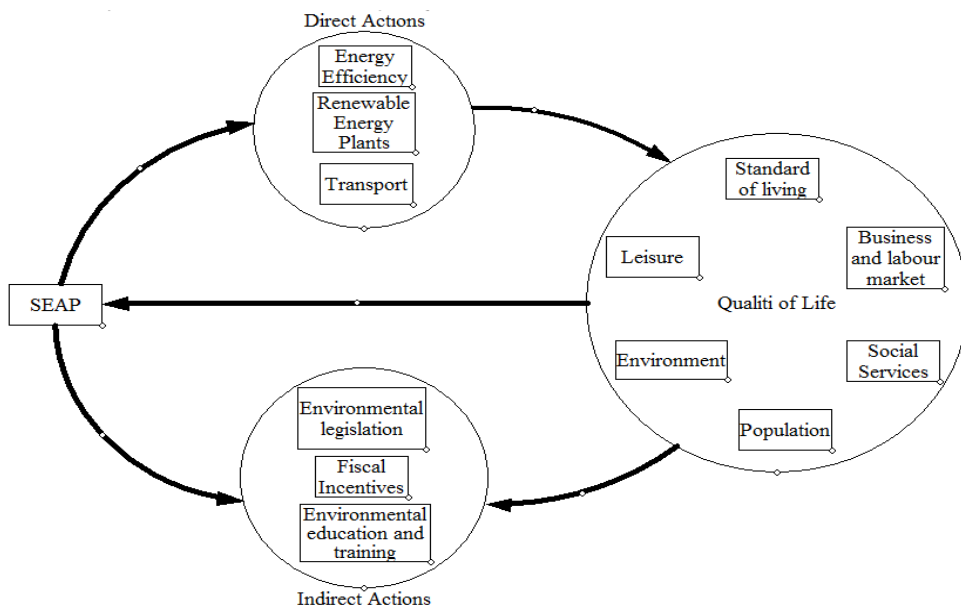


Figure 10: Overview

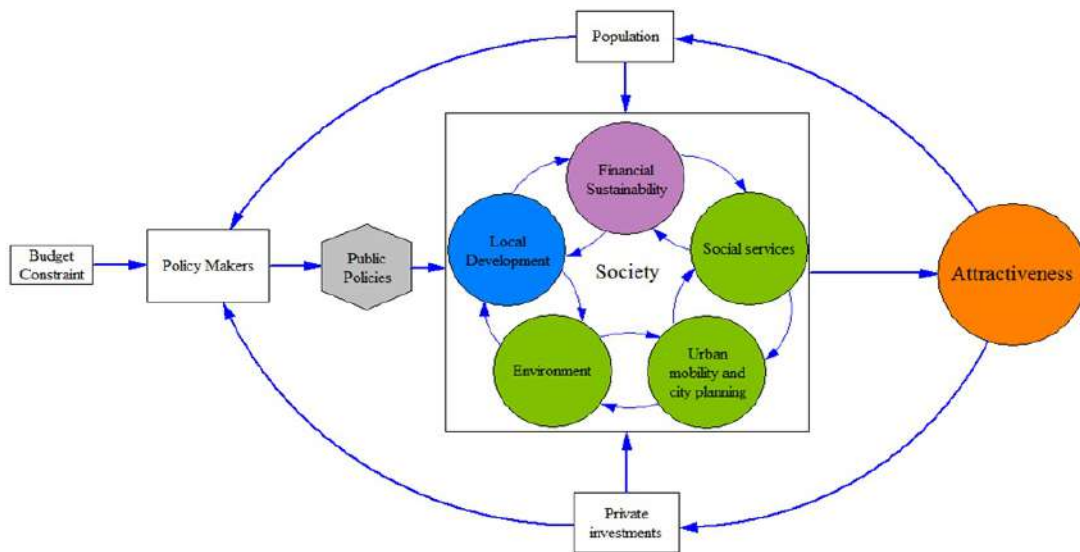


Figure 11: Macroview

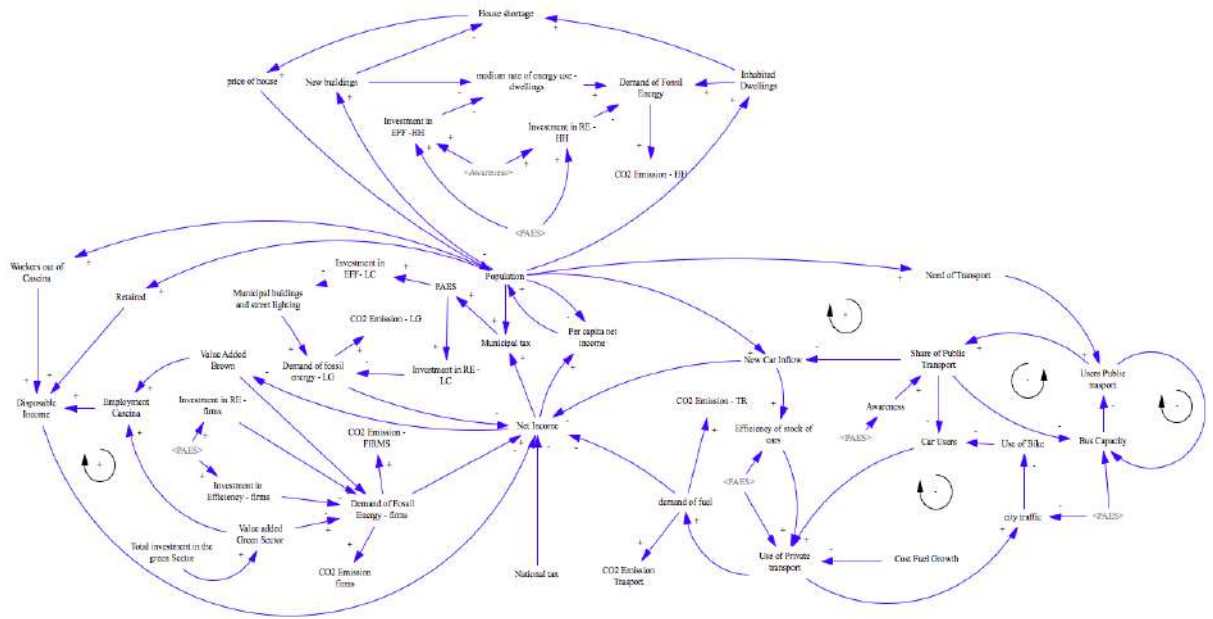


Figure 12: Causal Loops Diagram

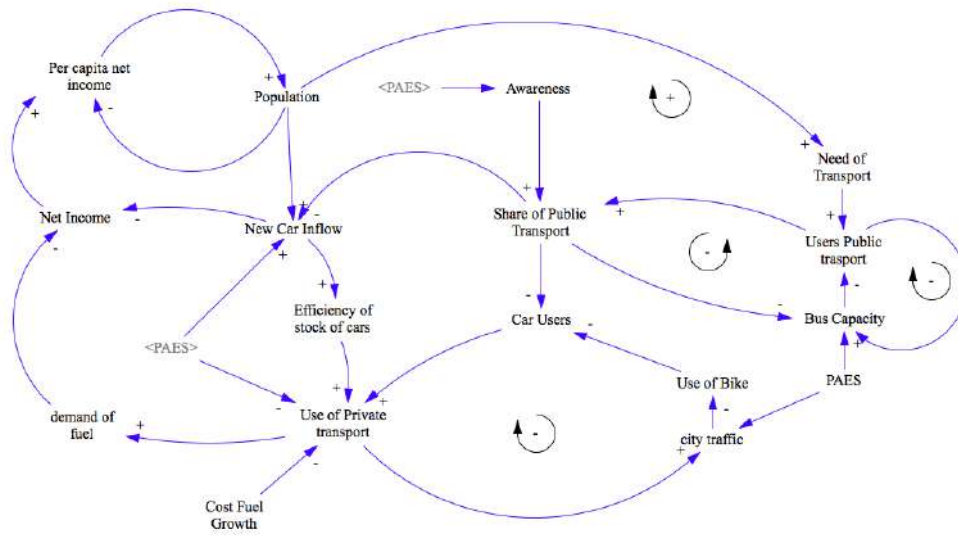


Figure 13: Transport Module

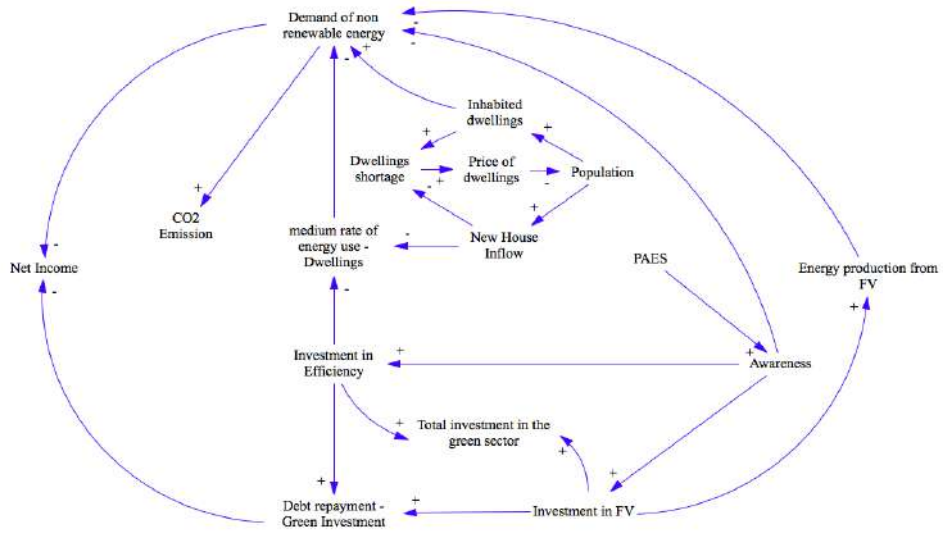


Figure 14: Household

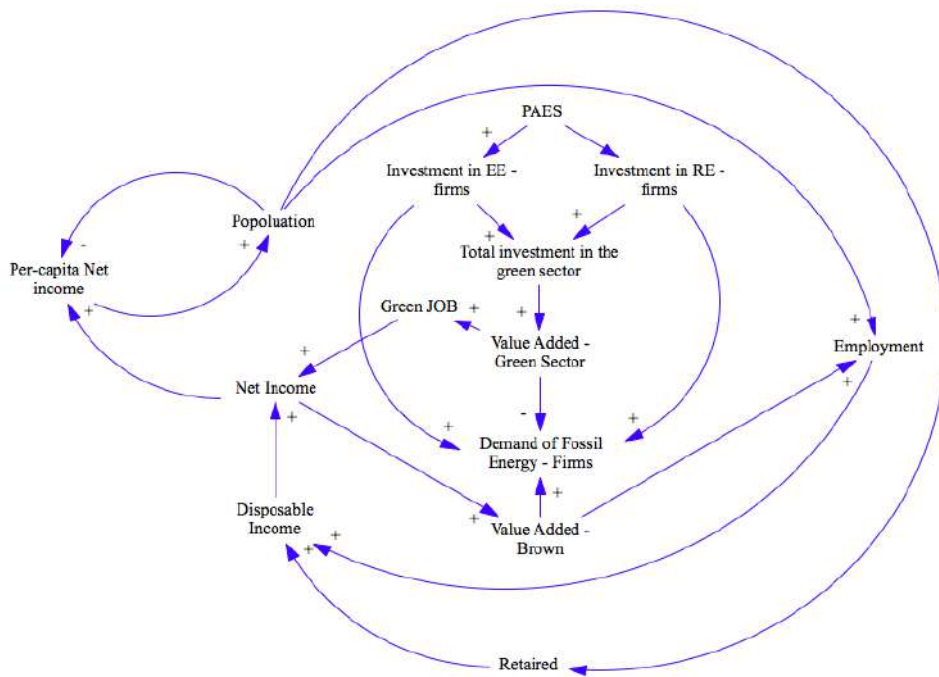


Figure 15: Economy Module

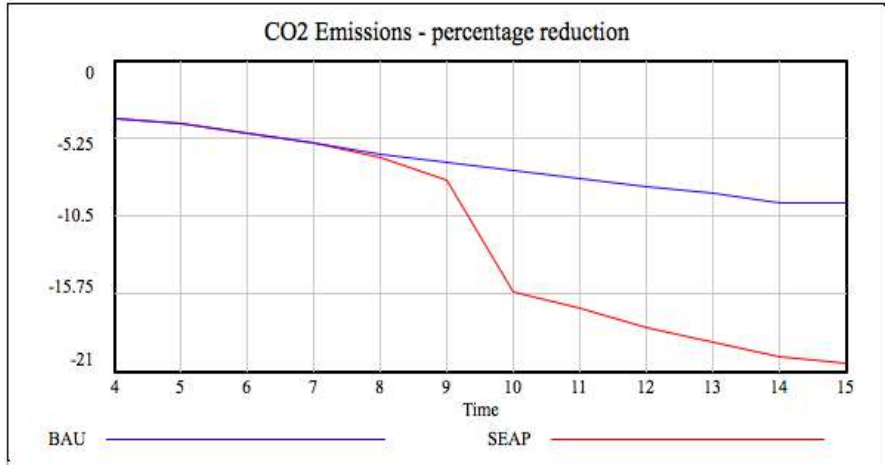
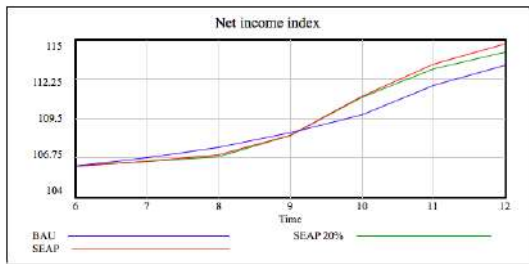
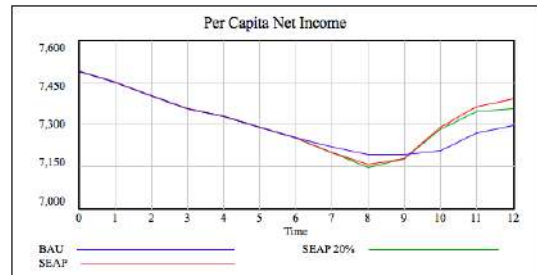


Figure 16: CO₂ emissions reduction - No population Growth



(a)



(b)

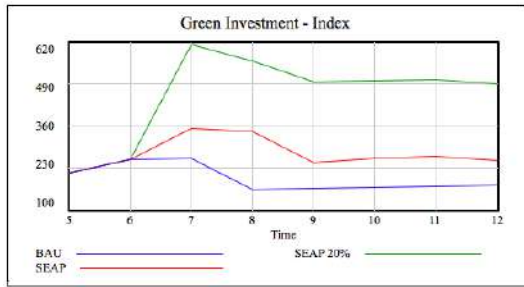


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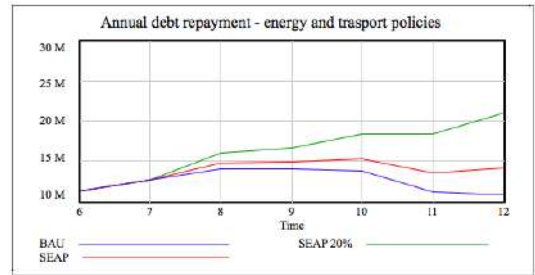


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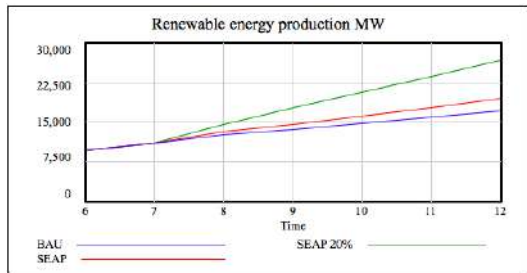
Figure 17: Scenario SEAP 20%: Economic indicators



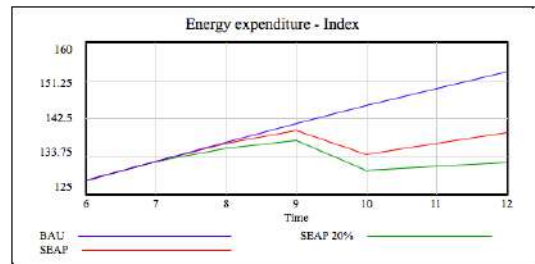
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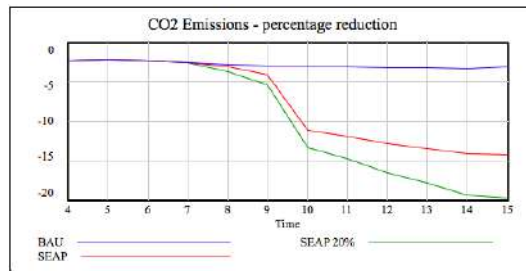
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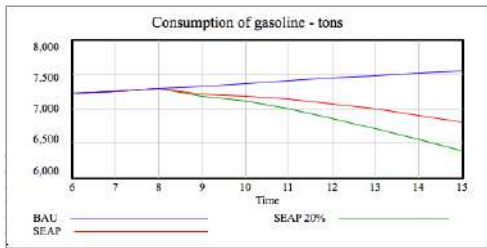


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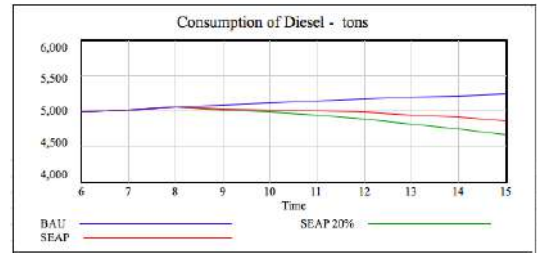


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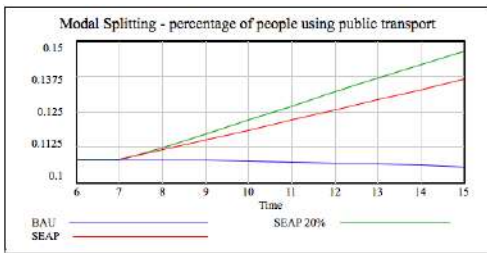
(f) Scenario SEAP 20%: Environmental and Energy indicators



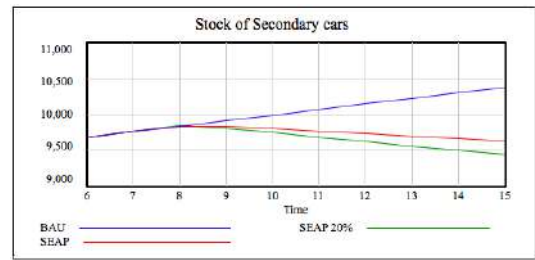
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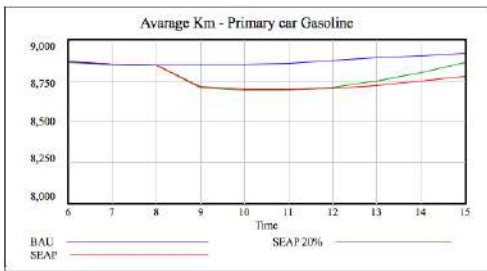
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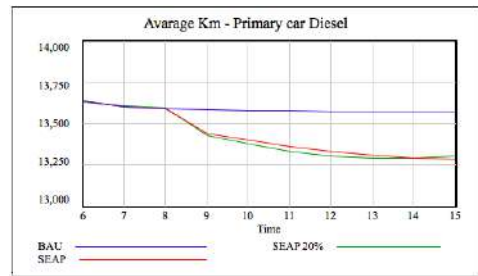
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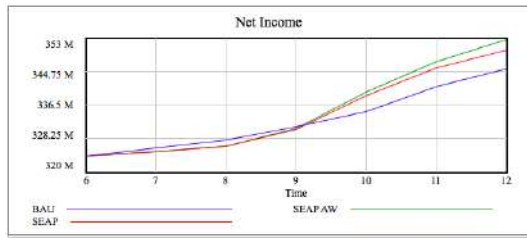


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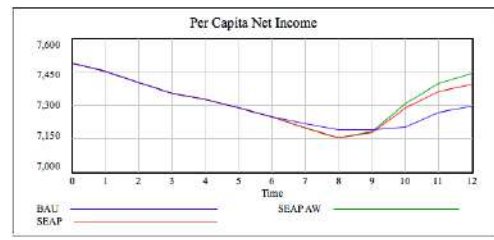


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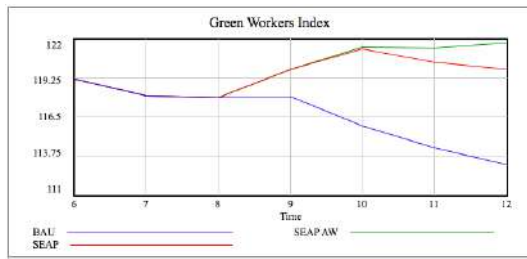
Figure 19: Scenario SEAP 20%: Transport indicators



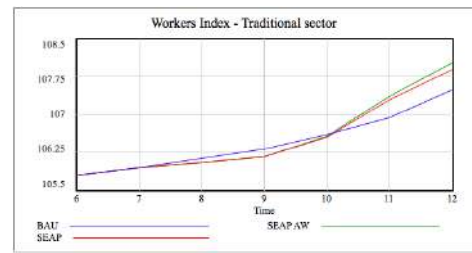
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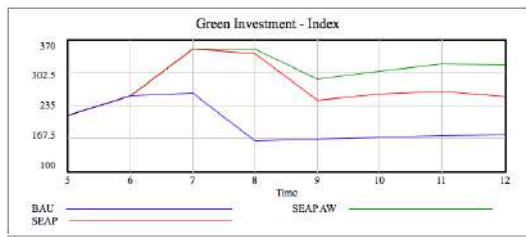


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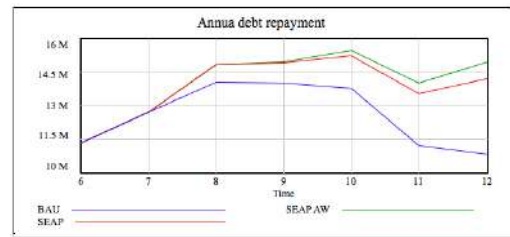


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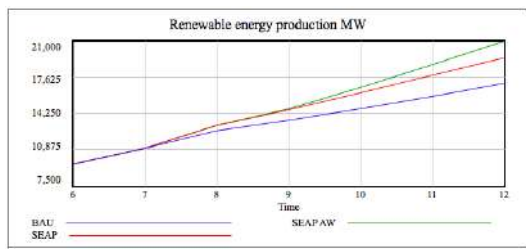
Figure 20: Scenario SEAP Awareness: Economic indicators



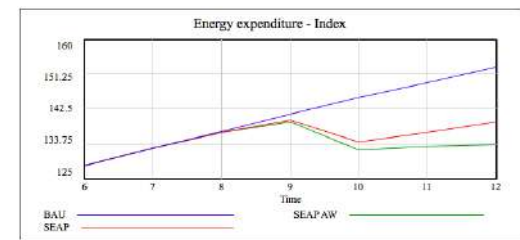
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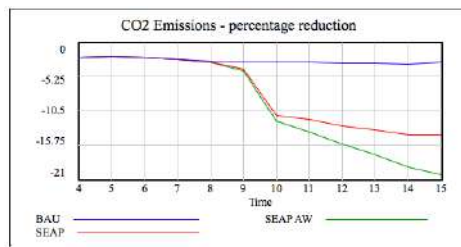
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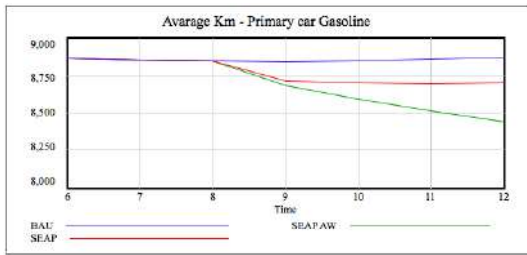


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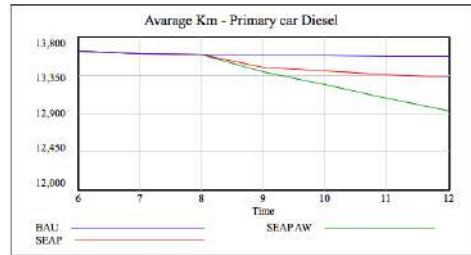


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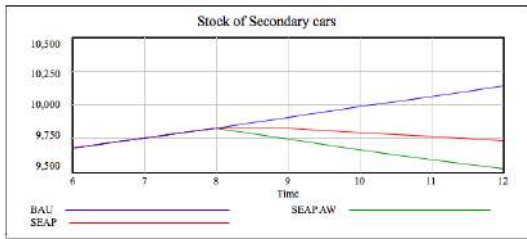
(f) Scenario SEAP Awareness: Environmental and Energy indicators



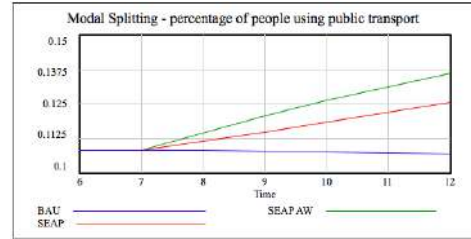
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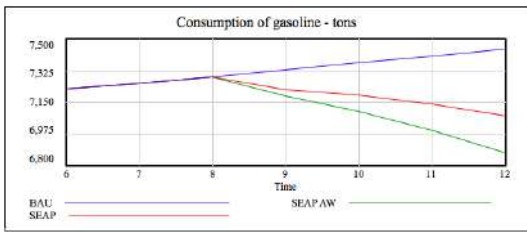
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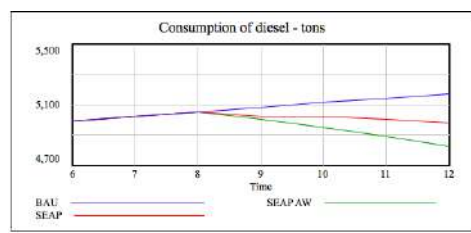
(c)



(d)



(e)



(f)

Figure 22: Scenario SEAP 20%: Transport indicators

A System Dynamics Model

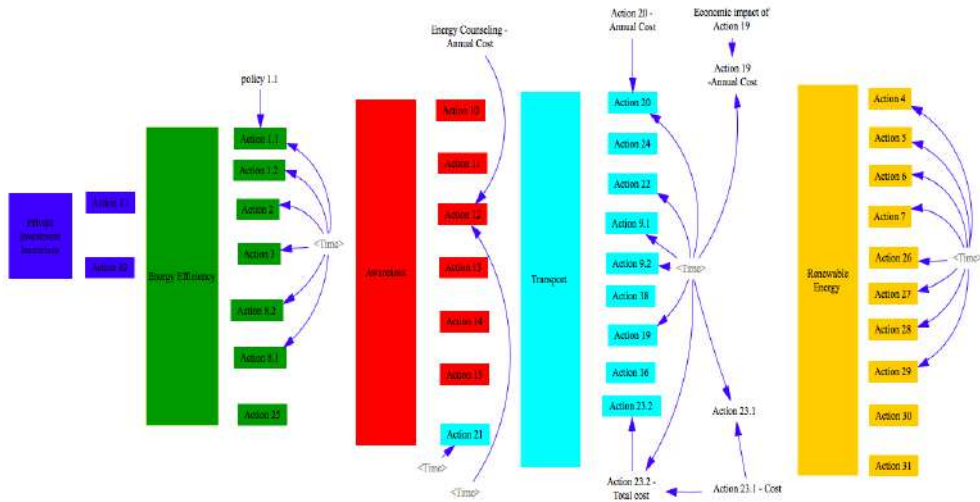


Figure 23: SEAP

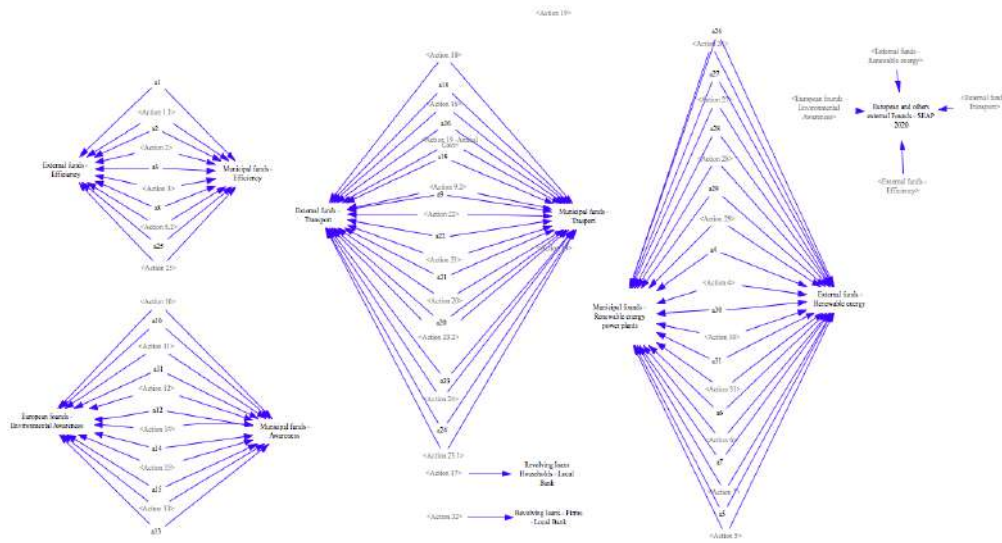


Figure 24: Financial Statement of SEAP

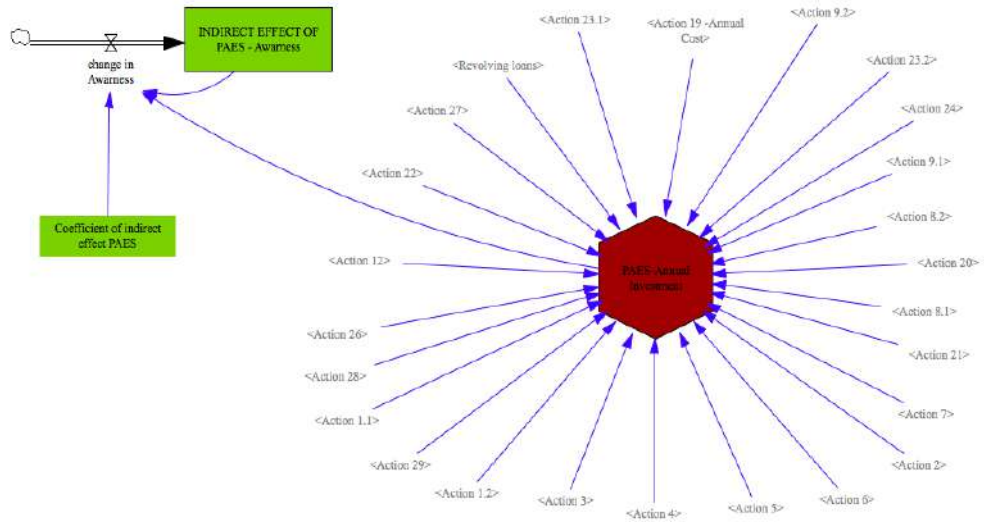


Figure 25: Awareness

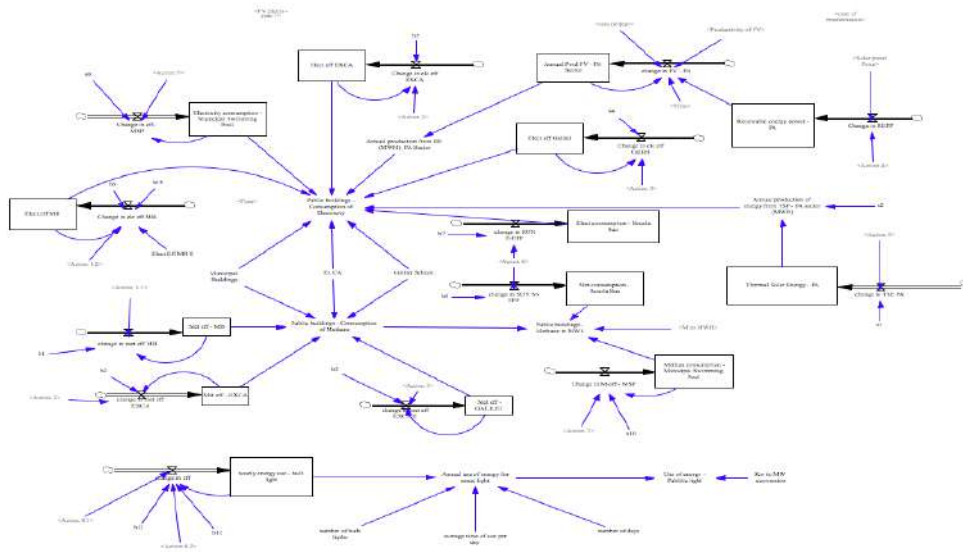


Figure 26: Municipal buildings and Street lighting

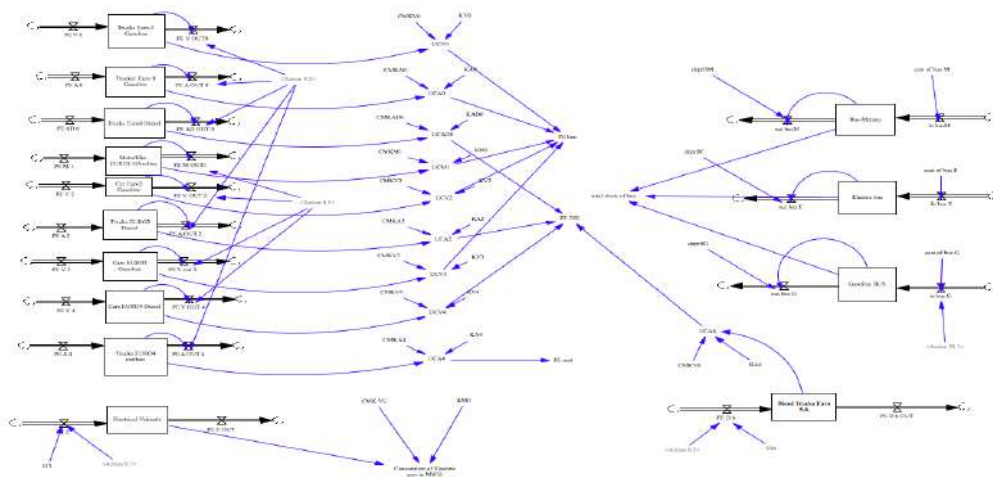


Figure 27: Municipal vehicles

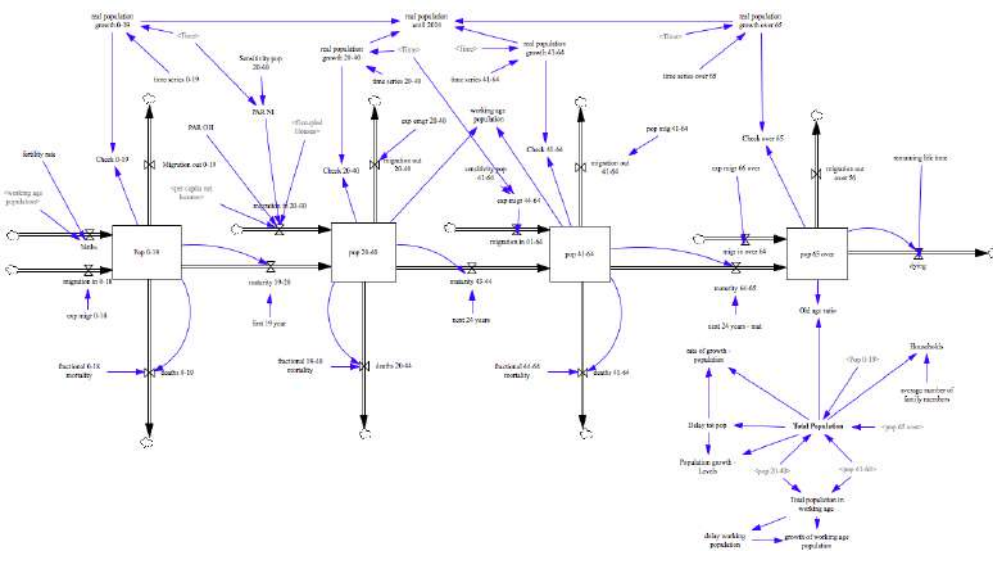


Figure 28: Population

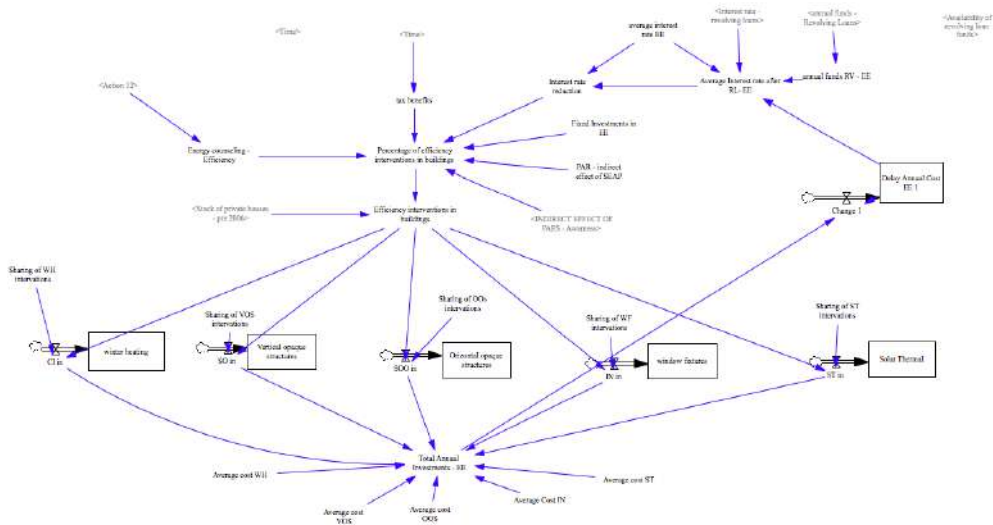


Figure 29: Determination of energy efficiency investments

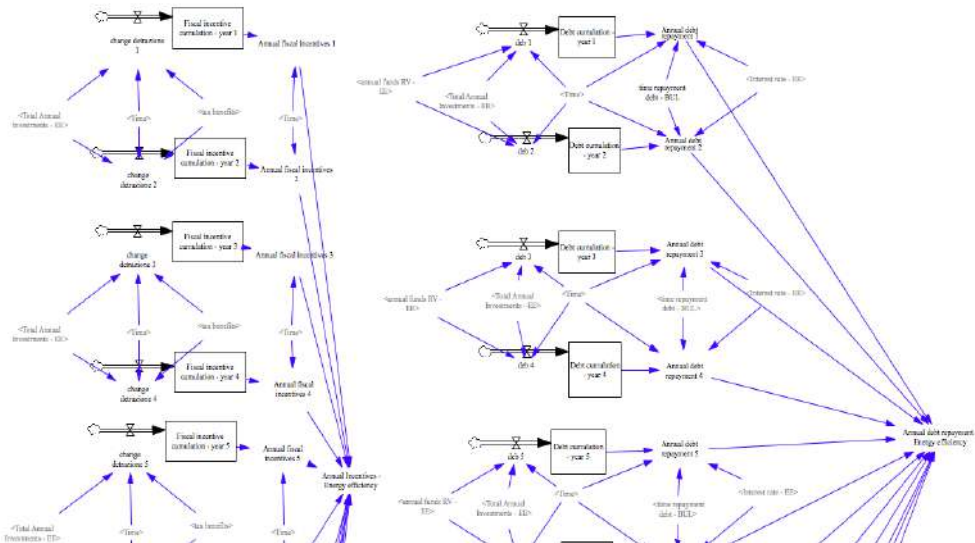


Figure 30: Debts and incentives differentiated per year - Energy Efficiency (partially)

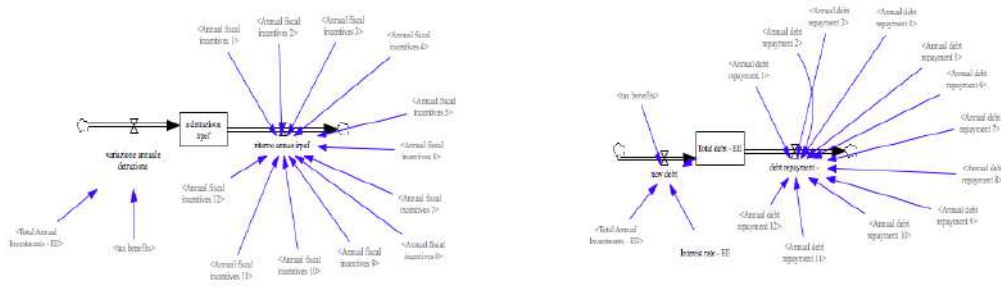


Figure 31: annual debt repayment and fiscal incentives - Energy efficiency

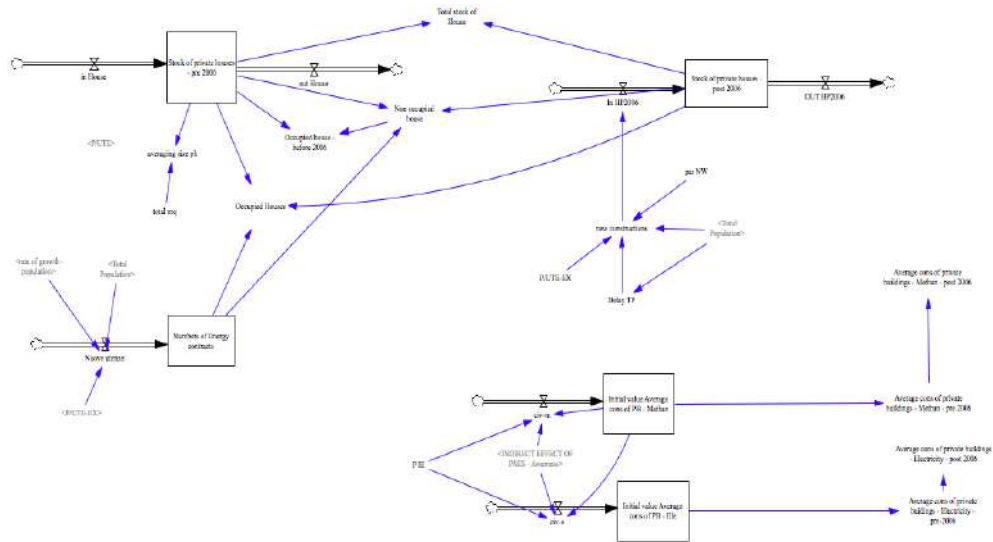


Figure 32: Buildings

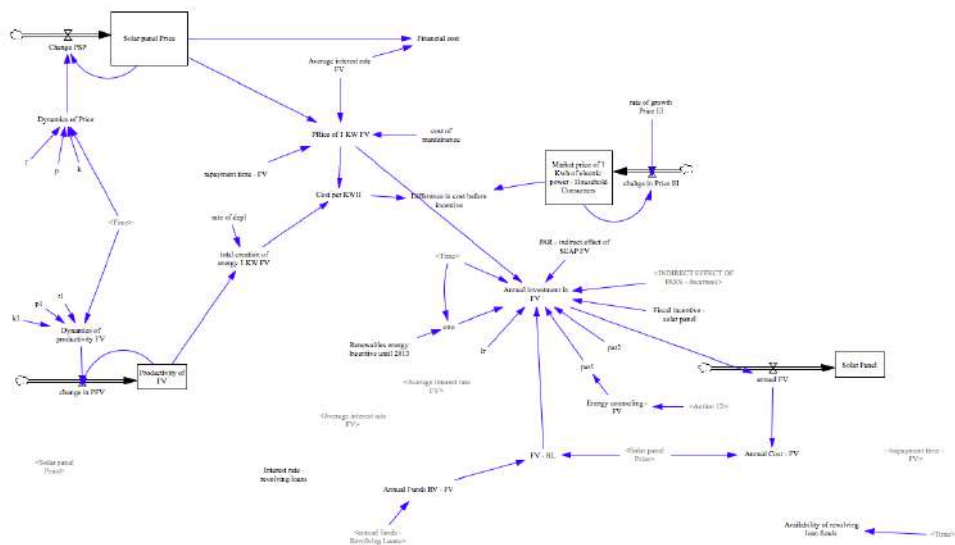


Figure 33: Determination of solar power plants investments

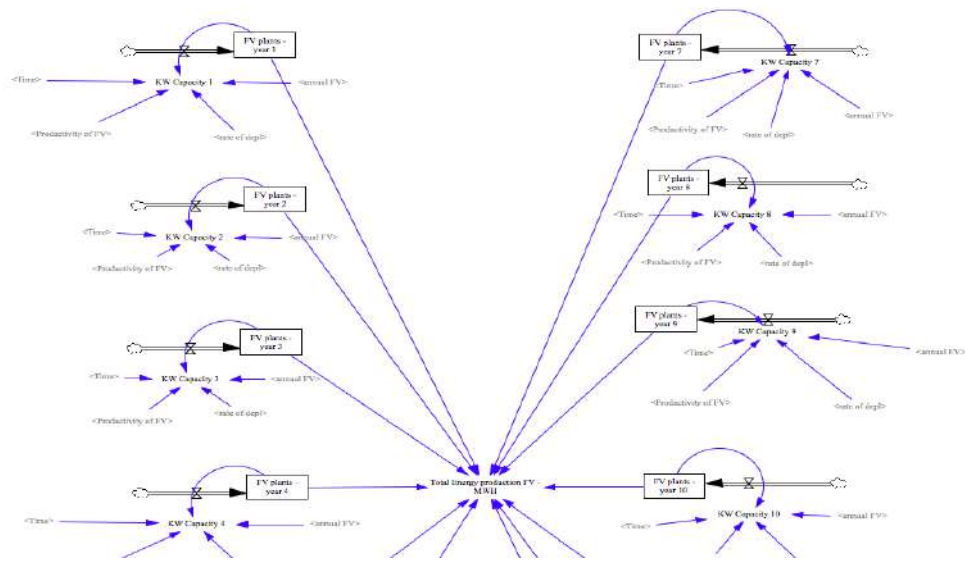


Figure 34: Renewable energy production (partially)

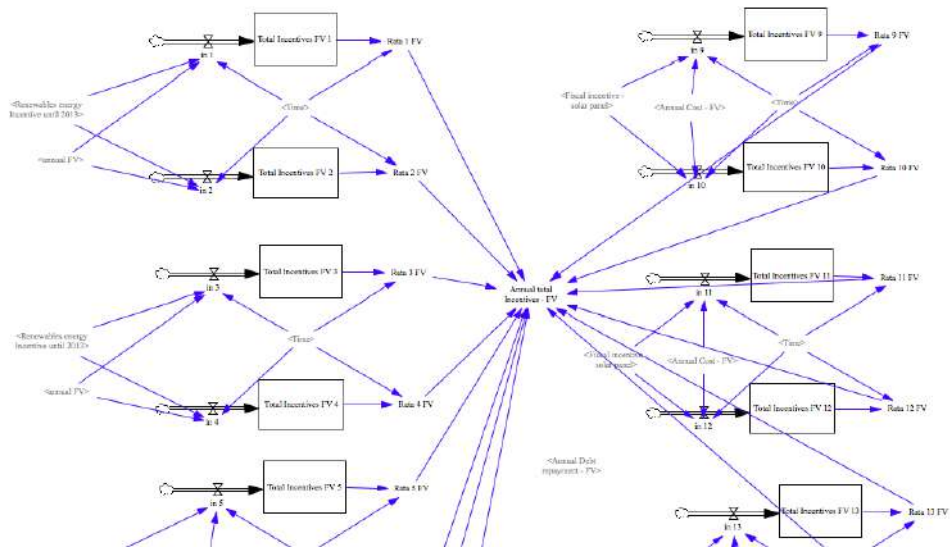


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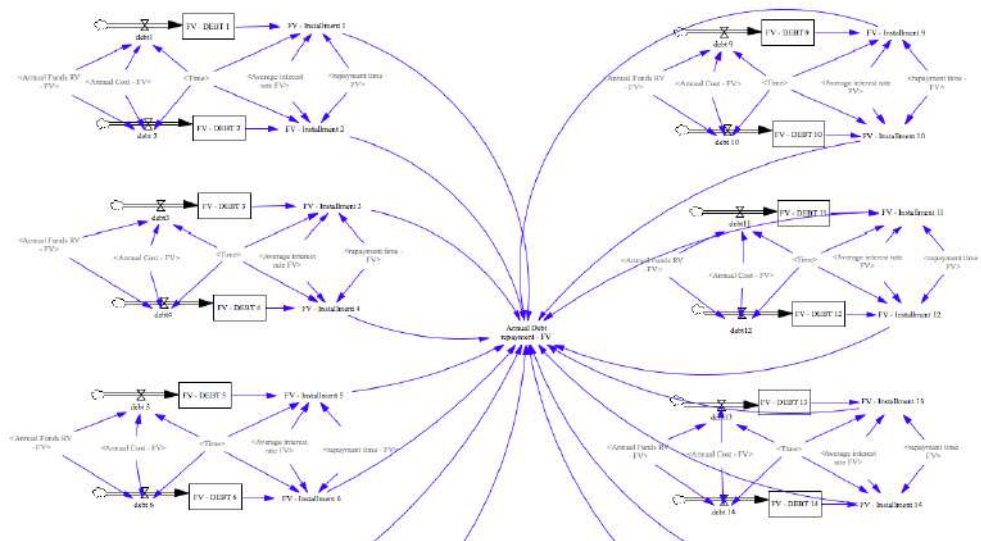


Figure 36: Debt repayment - FV (partially)

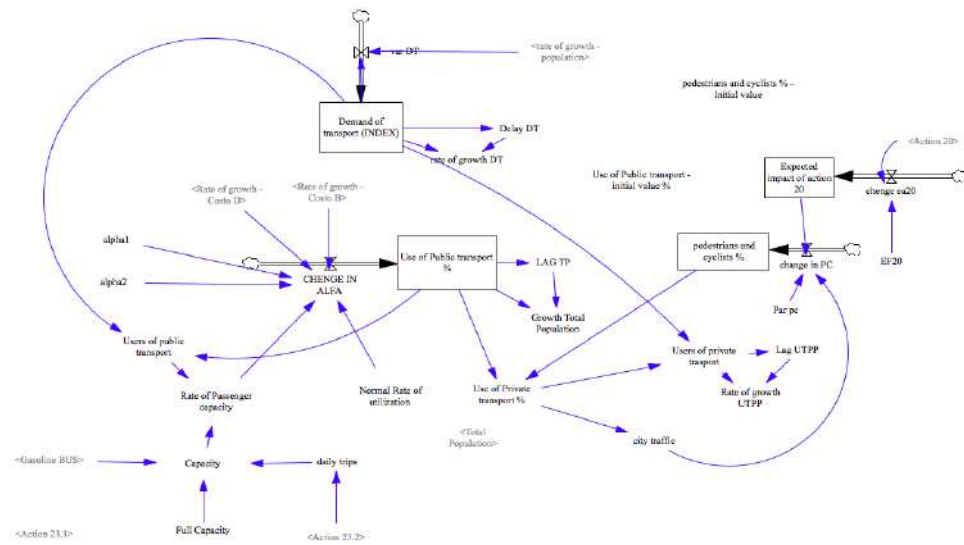


Figure 37: Transport sector: Modal Split

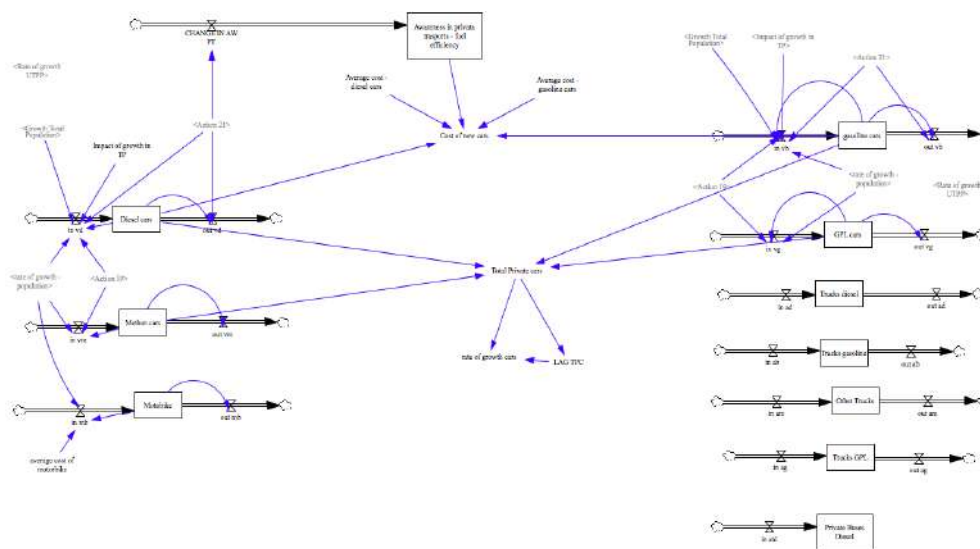


Figure 38: Private vehicles

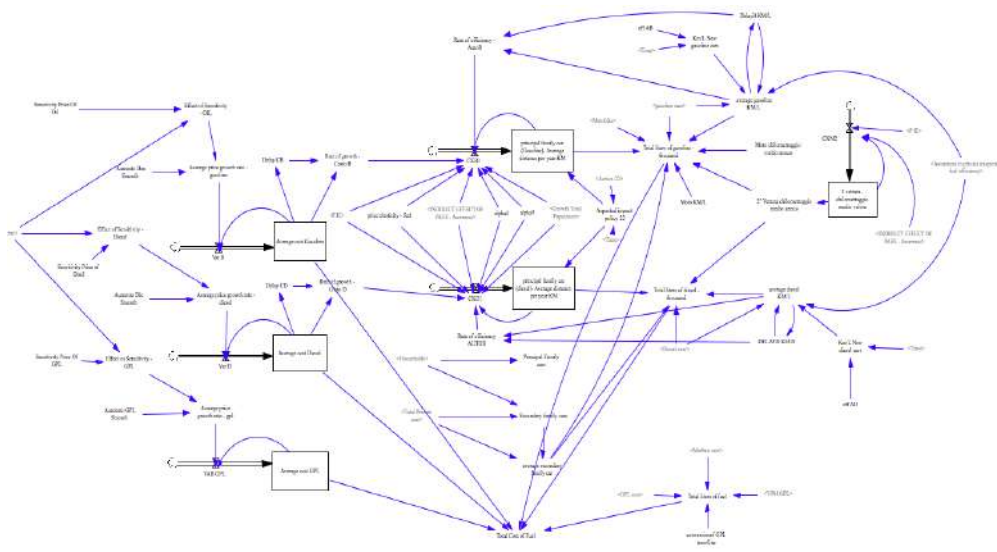


Figure 39: Demand of fuel - Private vehicles



Figure 40

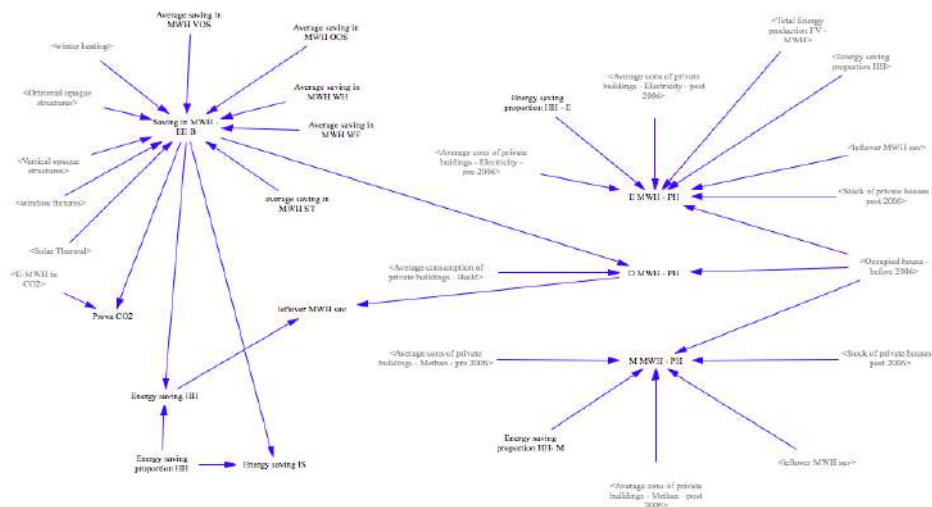


Figure 41: Total energy use - Households

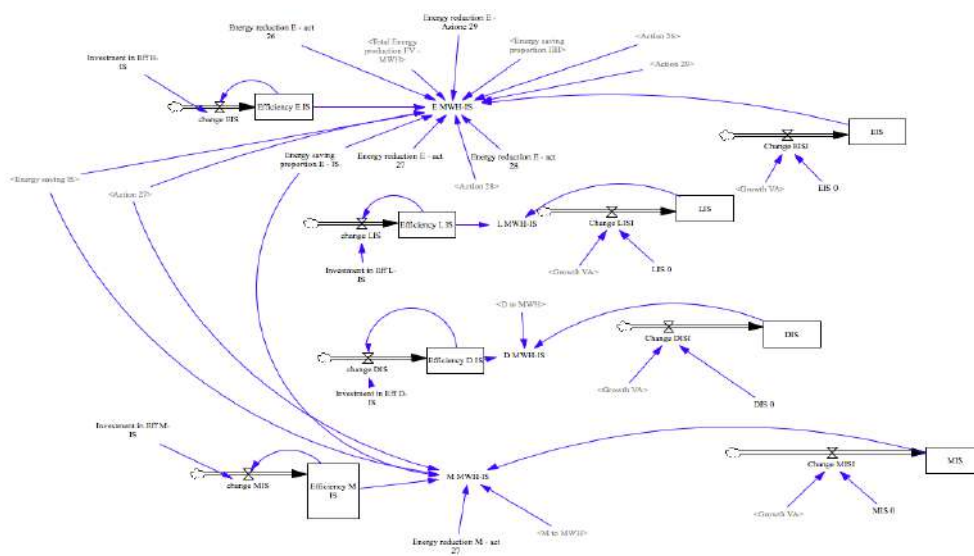


Figure 42: Total energy use - Firms

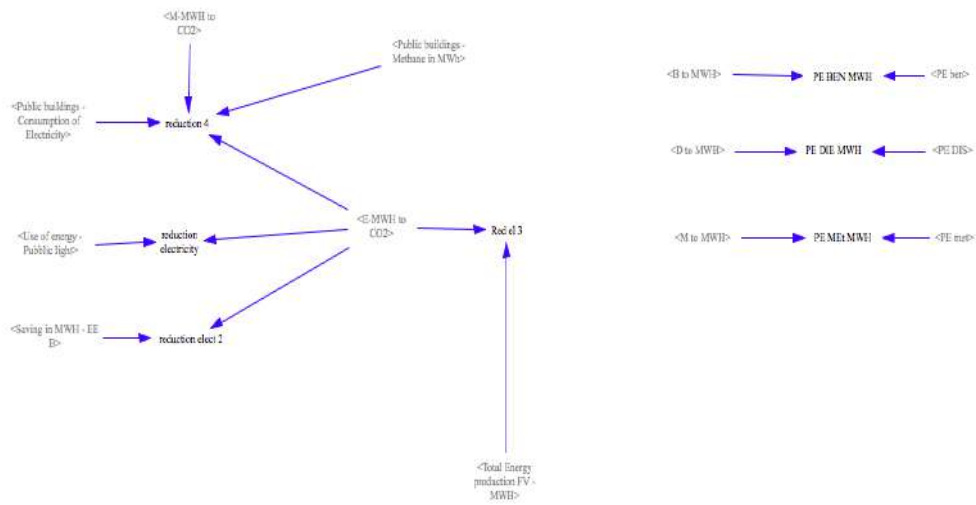


Figure 43: Total energy use - Municipality

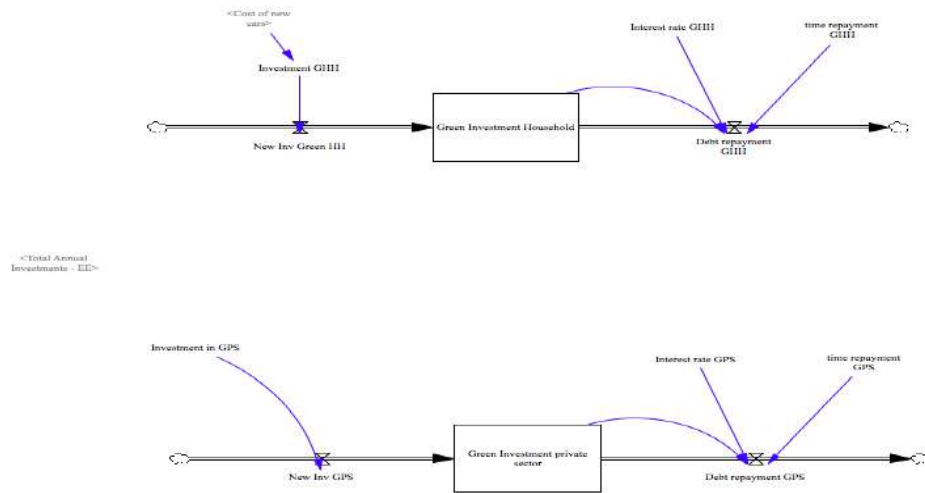


Figure 44: Total green investments - First

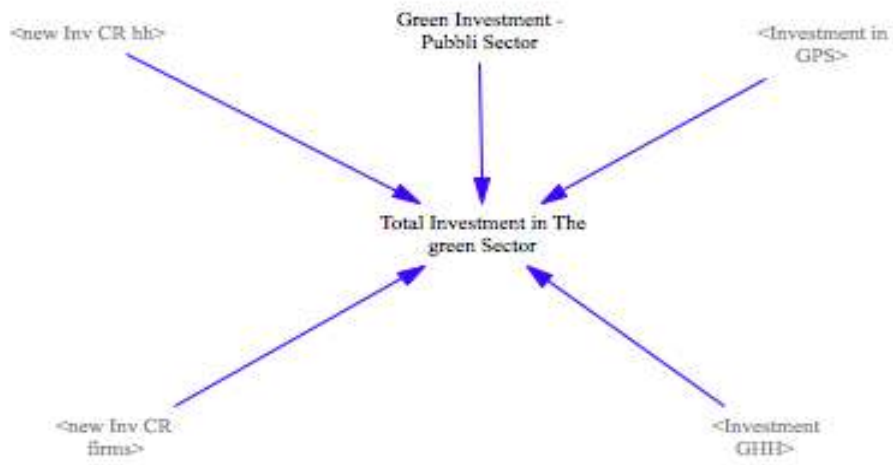


Figure 45: Total green investments - Second

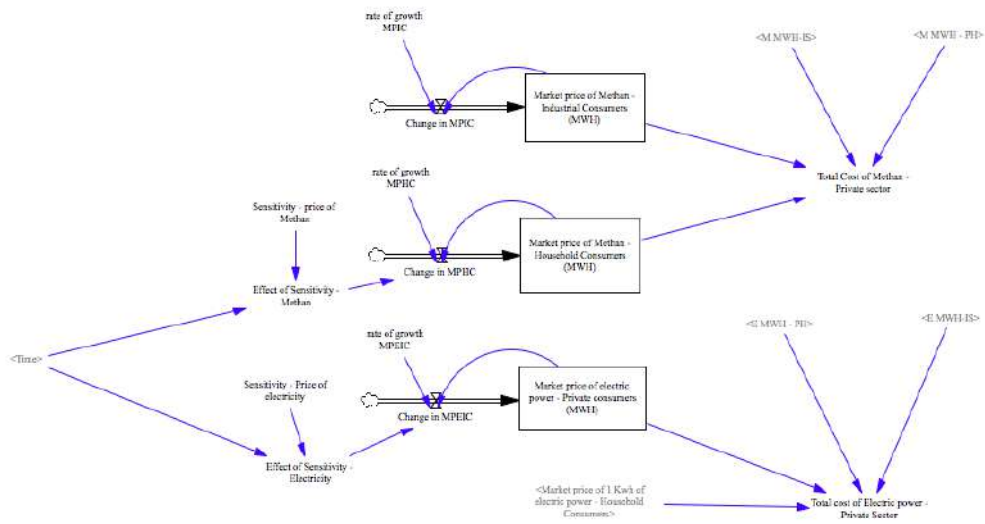


Figure 46: Cost of energy - Electricity and Methan

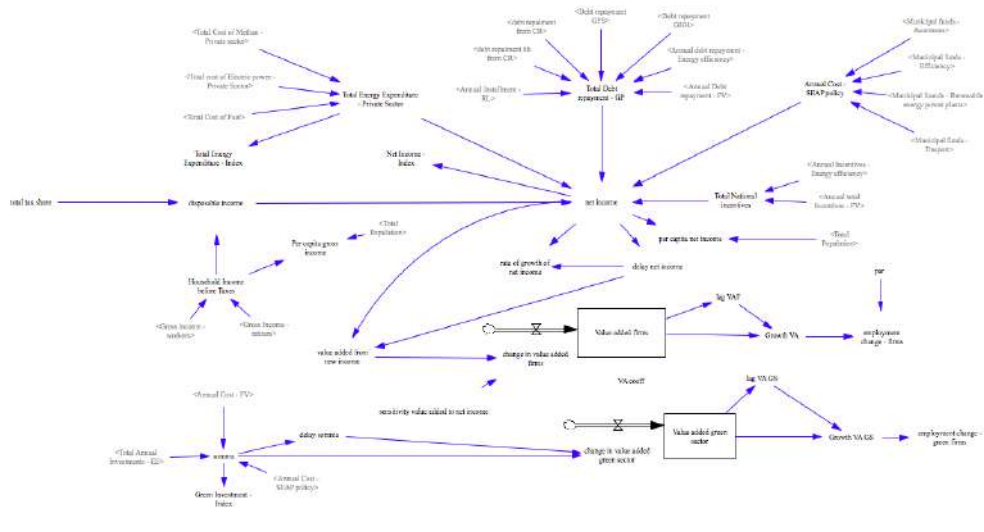


Figure 47: Local Economy

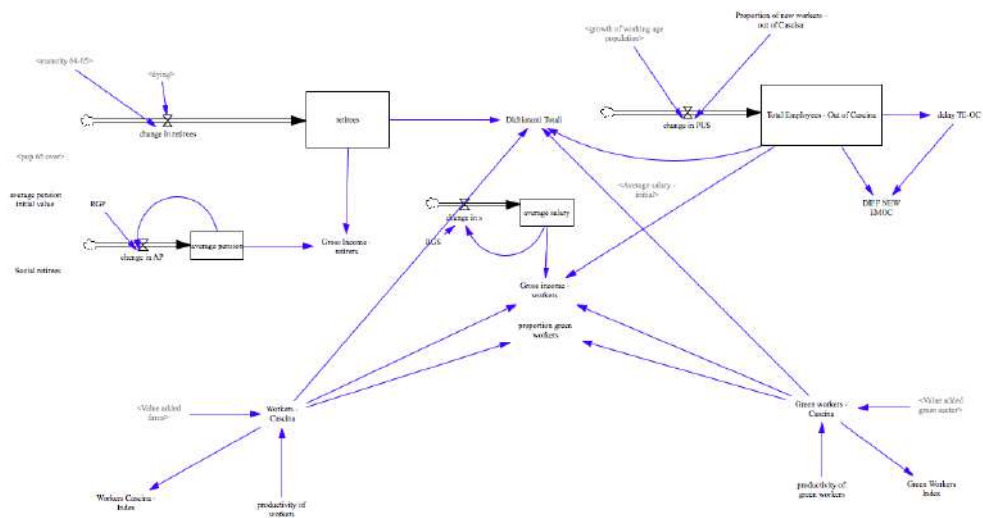


Figure 48: Labour market

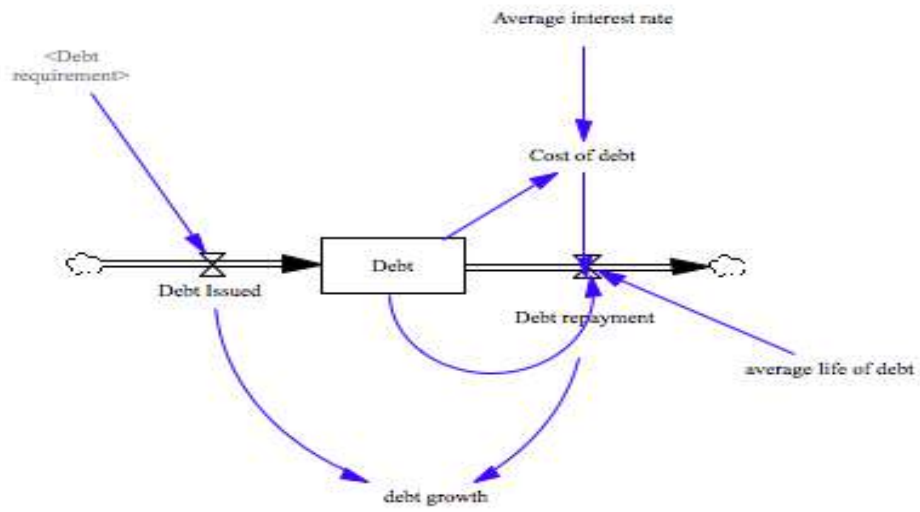


Figure 51: Public Debt