



# CRISP Input Data Sheet / Indicators

Version 2.1A

Information	
<b>Name:</b>	<b>Structure of the dwelling stock by age</b>
<b>Description:</b>	Calculated as percentage of the dwellings built before 1970 out of the total
<b>Unit:</b>	%
<b>Method of Measurement:</b>	<input type="radio"/> Observation <input type="radio"/> Experimental testing <input type="radio"/> Calculation and simulation <input checked="" type="radio"/> Statistical analysis <input type="radio"/> Expert evaluation and estimation <input type="radio"/> Other (define)
<b>S.D. Category</b>	<input checked="" type="radio"/> <b>ENVIRONMENTA</b> <input type="radio"/> Natural raw materials (water included) <input type="radio"/> Energy <input type="radio"/> Environmental pollution (waste included) <input type="radio"/> Land use <input type="radio"/> Bio-diversity <input type="radio"/> Odours <input type="radio"/> Noise <input checked="" type="radio"/> <b>ECONOMIC</b> <input checked="" type="radio"/> Economic development and finance <input checked="" type="radio"/> Urban and community services <input checked="" type="radio"/> Production and consumption <input type="radio"/> <b>SOCIAL</b> <input type="radio"/> Access <input type="radio"/> Safety & Security <input type="radio"/> Health and Well being <input type="radio"/> Community Responses and Human Capacity <input checked="" type="radio"/> Cultural heritage <input checked="" type="radio"/> <b>INSTITUTIONAL</b> <input checked="" type="radio"/> Governance <input checked="" type="radio"/> Justice <input checked="" type="radio"/> Ethical systems
<b>Construction Category:</b>	<input checked="" type="radio"/> <b>Urban</b> <input checked="" type="checkbox"/> Agglomeration <input checked="" type="checkbox"/> City <input checked="" type="checkbox"/> Neighbourhood <input type="radio"/> <b>Infrastructure</b> <input type="radio"/> <b>Buildings</b> <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Refurbishment <input type="radio"/> <b>Building products</b> <input type="radio"/> <b>Process</b>
<b>Type:</b>	<input type="radio"/> <b>Performance</b> <input type="radio"/> <b>Efficiency</b> <input checked="" type="radio"/> <b>Descriptive:</b> <input checked="" type="checkbox"/> Driving force <input checked="" type="checkbox"/> Pressure <input checked="" type="checkbox"/> State <input checked="" type="checkbox"/> Impact <input checked="" type="checkbox"/> Response
<b>Users:</b>	<input checked="" type="radio"/> <b>Planners</b> <input type="radio"/> <b>Owners</b> <input type="radio"/> <b>Developers</b> <input type="radio"/> <b>Designers</b> <input type="radio"/> <b>Contractors</b> <input type="radio"/> <b>Producers</b> <input type="radio"/> <b>Facility Managers</b> <input type="radio"/> <b>Users and inhabitants</b> <input type="radio"/> <b>Interest groups and associations</b> <input checked="" type="radio"/> <b>Public bodies</b> <input checked="" type="checkbox"/> National <input checked="" type="checkbox"/> Regional <input checked="" type="checkbox"/> Local
<b>Process phase:</b>	<b>Building process:</b> <input checked="" type="radio"/> <b>Planning</b> <input type="radio"/> <b>Property development</b> <input type="radio"/> <b>Design</b> <input type="radio"/> <b>Construction</b> <input type="radio"/> <b>Operation</b> <input type="radio"/> <b>Demolition</b> <input type="radio"/> <b>Disposal</b> <b>Manufacturing process:</b> <input checked="" type="radio"/> <b>Product development</b> <input checked="" type="radio"/> <b>Manufacturing</b>
<b>Objective:</b>	<input checked="" type="radio"/> <b>Diagnosis</b> <input type="radio"/> <b>Monitoring</b> <input type="radio"/> <b>Assessment</b> <input type="radio"/> <b>Design</b>
<b>Scope:</b>	<input type="radio"/> <b>Global</b> <input type="radio"/> <b>National</b> <input type="radio"/> <b>Regional</b> <input checked="" type="radio"/> <b>Local</b>
<b>System:</b>	National and local statistics; urban and spatial plans
<b>Restrictions and warnings for use:</b>	
<b>References:</b>	NIS: Dwelling stock (nearly publication); Local Authority reports; Urbanproiect's studies
<b>Additional information and remarks:</b>	This indicator seems to need an additional category to buildings i.e.: Existent

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# CRISP Input Data Sheet / Indicators

Version 2.1A

Information	
<b>Name:</b>	Structure of the public urban transport
<b>Description:</b>	Share by travelling means: bus, train, trolley bus
<b>Unit:</b>	%
<b>Method of Measurement:</b>	<input type="radio"/> Observation <input type="radio"/> Experimental testing <input type="radio"/> Calculation and simulation <input type="radio"/> Statistical analysis <input type="radio"/> Expert evaluation and estimation <input type="radio"/> Other (define)
<b>S.D. Category</b>	<input checked="" type="radio"/> <b>ENVIRONMENTAL</b> <input type="radio"/> Natural raw materials (water included) <input type="radio"/> Energy <input type="radio"/> Environmental pollution (waste included) <input type="radio"/> Land use <input type="radio"/> Bio-diversity <input type="radio"/> Odours <input type="radio"/> Noise <input checked="" type="radio"/> <b>ECONOMIC</b> <input checked="" type="radio"/> Economic development and finance <input checked="" type="radio"/> Urban and community services <input checked="" type="radio"/> Production and consumption <input type="radio"/> <b>SOCIAL</b> <input type="radio"/> Access <input type="radio"/> Safety & Security <input type="radio"/> Health and Well being <input type="radio"/> Community Responses and Human Capacity <input type="radio"/> Cultural heritage <input checked="" type="radio"/> <b>INSTITUTIONAL</b> <input checked="" type="radio"/> Governance <input checked="" type="radio"/> Justice <input checked="" type="radio"/> Ethical systems
<b>Construction Category:</b>	<input type="radio"/> <b>Urban</b> <input checked="" type="radio"/> Agglomeration <input type="radio"/> City <input type="radio"/> Neighbourhood <input checked="" type="radio"/> <b>Infrastructure</b> <input type="radio"/> Buildings <input checked="" type="radio"/> New <input checked="" type="radio"/> Refurbishment <input type="radio"/> Building products <input type="radio"/> Process
<b>Type:</b>	<input type="radio"/> <b>Performance</b> <input checked="" type="radio"/> <b>Efficiency</b> <input type="radio"/> <b>Descriptive:</b> <input type="radio"/> Driving force <input type="radio"/> Pressure <input type="radio"/> State <input type="radio"/> Impact <input type="radio"/> Response
<b>Users:</b>	<input type="radio"/> <b>Planners</b> <input type="radio"/> <b>Owners</b> <input type="radio"/> <b>Developers</b> <input type="radio"/> <b>Designers</b> <input type="radio"/> <b>Contractors</b> <input type="radio"/> <b>Producers</b> <input type="radio"/> <b>Facility Managers</b> <input type="radio"/> <b>Users and inhabitants</b> <input type="radio"/> <b>Interest groups and associations</b> <input type="radio"/> <b>Public bodies</b> <input type="radio"/> National <input type="radio"/> Regional <input type="radio"/> Local
<b>Process phase:</b>	<b>Building process:</b> <input type="radio"/> <b>Planning</b> <input type="radio"/> <b>Property development</b> <input type="radio"/> <b>Design</b> <input checked="" type="radio"/> <b>Construction</b> <input type="radio"/> <b>Operation</b> <input type="radio"/> <b>Demolition</b> <input type="radio"/> <b>Disposal</b> <b>Manufacturing process:</b> <input checked="" type="radio"/> <b>Product development</b> <input checked="" type="radio"/> <b>Manufacturing</b>
<b>Objective:</b>	<input checked="" type="radio"/> <b>Diagnosis</b> <input type="radio"/> <b>Monitoring</b> <input type="radio"/> <b>Assessment</b> <input type="radio"/> <b>Design</b>
<b>Scope:</b>	<input type="radio"/> <b>Global</b> <input checked="" type="radio"/> <b>National</b> <input checked="" type="radio"/> <b>Regional</b> <input checked="" type="radio"/> <b>Local</b>
<b>System:</b>	National and local statistics; urban planning set of indicators
<b>Restrictions and warnings for use:</b>	
<b>References:</b>	NIS: Activities Relating Public Utilities of Local Interest; Local Reports; Urbanproiect's studies
<b>Additional information and remarks:</b>	The same comment as for the structure of dwelling stock

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# CRISP Input Data Sheet / Indicators

Version 2.1A

Information	
<b>Name:</b>	<b>Environmental protection costs</b>
<b>Description:</b>	Calculated as percentage of the total budget
<b>Unit:</b>	%
<b>Method of Measurement:</b>	<input type="radio"/> Observation <input type="radio"/> Experimental testing <input checked="" type="radio"/> Calculation and simulation <input type="radio"/> Statistical analysis <input type="radio"/> Expert evaluation and estimation <input type="radio"/> Other (define)
<b>S.D. Category</b>	<input checked="" type="radio"/> <b>ENVIRONMENTAL</b> <input type="radio"/> Natural raw materials (water included) <input type="radio"/> Energy <input checked="" type="radio"/> Environmental pollution (waste included) <input type="radio"/> Land use <input type="radio"/> Bio-diversity <input type="radio"/> Odours <input type="radio"/> Noise <input checked="" type="radio"/> <b>ECONOMIC</b> <input checked="" type="radio"/> Economic development and finance <input checked="" type="radio"/> Urban and community services <input checked="" type="radio"/> Production and consumption <input checked="" type="radio"/> <b>SOCIAL</b> <input type="radio"/> Access <input type="radio"/> Safety & Security <input type="radio"/> Health and Well being <input type="radio"/> Community Responses and Human Capacity <input type="radio"/> Cultural heritage <input checked="" type="radio"/> <b>INSTITUTIONAL</b> <input checked="" type="radio"/> Governance <input checked="" type="radio"/> Justice <input checked="" type="radio"/> Ethical systems
<b>Construction Category:</b>	<input checked="" type="radio"/> <b>Urban</b> <input checked="" type="radio"/> Agglomeration <input checked="" type="radio"/> City <input checked="" type="radio"/> Neighbourhood <input checked="" type="radio"/> <b>Infrastructure</b> <input type="radio"/> Buildings <input checked="" type="radio"/> New <input checked="" type="radio"/> Refurbishment <input type="radio"/> Building products <input type="radio"/> Process
<b>Type:</b>	<input type="radio"/> Performance <input type="radio"/> Efficiency <input checked="" type="radio"/> <b>Descriptive:</b> <input checked="" type="radio"/> Driving force <input checked="" type="radio"/> Pressure <input checked="" type="radio"/> State <input checked="" type="radio"/> Impact <input checked="" type="radio"/> Response
<b>Users:</b>	<input checked="" type="radio"/> Planners <input type="radio"/> Owners <input checked="" type="radio"/> Developers <input type="radio"/> Designers <input checked="" type="radio"/> Contractors <input type="radio"/> Producers <input checked="" type="radio"/> Facility Managers <input type="radio"/> Users and inhabitants <input type="radio"/> Interest groups and associations <input checked="" type="radio"/> Public bodies <input checked="" type="radio"/> National <input checked="" type="radio"/> Regional <input checked="" type="radio"/> Local
<b>Process phase:</b>	<b>Building process:</b> <input type="radio"/> Planning <input checked="" type="radio"/> Property development <input type="radio"/> Design <input checked="" type="radio"/> Construction <input type="radio"/> Operation <input checked="" type="radio"/> Demolition <input checked="" type="radio"/> Disposal <b>Manufacturing process:</b> <input checked="" type="radio"/> Product development <input checked="" type="radio"/> Manufacturing
<b>Objective:</b>	<input type="radio"/> Diagnosis <input checked="" type="radio"/> Monitoring <input type="radio"/> Assessment <input type="radio"/> Design
<b>Scope:</b>	<input checked="" type="radio"/> Global <input checked="" type="radio"/> National <input checked="" type="radio"/> Regional <input checked="" type="radio"/> Local
<b>System:</b>	National and Local Statistics; Local Agencies of Environmental Protection (AEP) Surveys
<b>Restrictions and warnings for use:</b>	It's more relevant an analysis based at long term (usually it used as against the level reached in 1990)
<b>References:</b>	NIS: Statistical Yearbook of Romania; Environment in Romania; AEP Surveys on Environment State
<b>Additional information and remarks:</b>	

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# CRISP Input Data Sheet / System

Version 2.1B

Information	
<b>Name:</b>	<b>Alteration Degree of Sustainability Performance</b>
<b>Description:</b>	The method proposes an integrated approach aimed to measure the "un-sustainability" of populated areas. Different aspects of the build environment are analysed in terms of their possible negative effects on the sustainability features of the main environment components e.g. vital resources, human wellbeing, natural environment. The method shows the total (simple and weighted) negative effects ("black points") induced by the actual state of the BE. The final result could be a number or a share (%)
<b>Units:</b>	Number of "black points" or % of the maximum level of the negative actions
<b>Methods of Measurement:</b>	<input type="radio"/> <b>Observation</b> <input checked="" type="radio"/> <b>Experimental testing</b> <input type="radio"/> <b>Calculation and simulation</b> <input type="radio"/> <b>Statistical analysis</b> <input type="radio"/> <b>Expert evaluation and estimation</b> <input type="radio"/> <b>Other (define)</b>
<b>S.D. Category</b>	<input checked="" type="radio"/> <b>ENVIRONMENTAL</b> <input type="radio"/> Natural raw materials (water included) <input type="radio"/> Energy <input type="radio"/> Environmental pollution (waste included) <input type="radio"/> Land use <input type="radio"/> Bio-diversity <input type="radio"/> Odours <input type="radio"/> Noise <input checked="" type="radio"/> <b>ECONOMIC</b> <input checked="" type="radio"/> Economic development and finance <input checked="" type="radio"/> Urban and community services <input checked="" type="radio"/> Production and consumption <input type="radio"/> <b>SOCIAL</b> <input type="radio"/> Access <input type="radio"/> Safety & Security <input type="radio"/> Health and Well being <input type="radio"/> Community Responses and Human Capacity <input type="radio"/> Cultural heritage <input checked="" type="radio"/> <b>INSTITUTIONAL</b> <input checked="" type="radio"/> Governance <input checked="" type="radio"/> Justice <input checked="" type="radio"/> Ethical systems
<b>Construction Category:</b>	<input type="radio"/> <b>Urban</b> <input checked="" type="radio"/> Agglomeration <input checked="" type="radio"/> City <input checked="" type="radio"/> Neighbourhood <input type="radio"/> <b>Infrastructure</b> <input type="radio"/> <b>Buildings</b> <input checked="" type="radio"/> New <input checked="" type="radio"/> Refurbishment <input checked="" type="radio"/> <b>Building products</b> <input checked="" type="radio"/> <b>Process</b>
<b>Types:</b>	<input type="radio"/> <b>Performance</b> <input type="radio"/> <b>Efficiency</b> <input type="radio"/> <b>Descriptive:</b> <input checked="" type="radio"/> Driving force <input checked="" type="radio"/> Pressure <input checked="" type="radio"/> State <input checked="" type="radio"/> Impact <input checked="" type="radio"/> Response
<b>Users:</b>	<input type="radio"/> <b>Planners</b> <input type="radio"/> <b>Owners</b> <input checked="" type="radio"/> <b>Developers</b> <input type="radio"/> <b>Designers</b> <input type="radio"/> <b>Contractors</b> <input type="radio"/> <b>Producers</b> <input type="radio"/> <b>Facility Managers</b> <input type="radio"/> <b>Users and inhabitants</b> <input type="radio"/> <b>Interest groups and associations</b> <input checked="" type="radio"/> <b>Public bodies</b> <input checked="" type="radio"/> National <input checked="" type="radio"/> Regional <input checked="" type="radio"/> Local
<b>Process phase:</b>	<b>Building process:</b> <input type="radio"/> <b>Planning</b> <input checked="" type="radio"/> <b>Property development</b> <input type="radio"/> <b>Design</b> <input type="radio"/> <b>Construction</b> <input checked="" type="radio"/> <b>Operation</b> <input type="radio"/> <b>Demolition</b> <input type="radio"/> <b>Disposal</b> <b>Manufacturing process:</b> <input checked="" type="radio"/> <b>Product development</b> <input checked="" type="radio"/> <b>Manufacturing</b>
<b>Objective:</b>	<input checked="" type="radio"/> <b>Diagnosis</b> <input type="radio"/> <b>Monitoring</b> <input checked="" type="radio"/> <b>Assessment</b> <input type="radio"/> <b>Design</b>
<b>Scope:</b>	<input type="radio"/> <b>Global</b> <input type="radio"/> <b>National</b> <input checked="" type="radio"/> <b>Regional</b> <input type="radio"/> <b>Local</b>
<b>Restrictions and warnings for use:</b>	The method was tested only at the small scale (2 municipalities). The research works were interrupted because of lack of financial support.
<b>References:</b>	Code of Practice regarding the application of MEGAD method (first draft)
<b>Additional information and remarks:</b>	The analysed natural raw materials are named "vital resources" and are subdivided into primary (renewable: solar energy; rain water; forest, etc and non-renewable: oil; coal; natural gas; land, etc) and secondary (conventional energy; construction materials). Community Responses and Human Capacity indicators are less numerous than the other relative to the social category. The final result is featuring rather "state" and "impact", but the embodied indicators cover all the types included in the "Descriptive category"

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# CRISP Input Data Sheet / System

Version 2.1B

Information	
<b>Name:</b>	<b>Rural Development Degree</b>
<b>Description:</b>	The rural space diagnosis was prepared as a background for a coherent development strategy and a reasonable promotion of the proposed projects. The method was based on the aggregation of 45 indicators grouped in 7 classes with 3 to 8 sub-divisions
<b>Units:</b>	Rating (high, medium, low); Maps
<b>Methods of Measurement:</b>	<input type="radio"/> Observation <input type="radio"/> Experimental testing <input checked="" type="radio"/> Calculation and simulation <input type="radio"/> Statistical analysis <input type="radio"/> Expert evaluation and estimation <input type="radio"/> Other (define)
<b>S.D. Category</b>	<input checked="" type="radio"/> <b>ENVIRONMENTAL</b> <input type="radio"/> Natural raw materials (water included) <input type="radio"/> Energy <input checked="" type="radio"/> Environmental pollution (waste included) <input type="radio"/> Land use <input type="radio"/> Bio-diversity <input type="radio"/> Odours <input type="radio"/> Noise <input checked="" type="radio"/> <b>ECONOMIC</b> <input checked="" type="radio"/> Economic development and finance <input checked="" type="radio"/> Urban and community services <input checked="" type="radio"/> Production and consumption <input type="radio"/> <b>SOCIAL</b> <input type="radio"/> Access <input type="radio"/> Safety & Security <input type="radio"/> Health and Well being <input type="radio"/> Community Responses and Human Capacity <input type="radio"/> Cultural heritage <input checked="" type="radio"/> <b>INSTITUTIONAL</b> <input type="radio"/> Governance <input type="radio"/> Justice <input type="radio"/> Ethical systems
<b>Construction Category:</b>	<input checked="" type="radio"/> <b>Urban</b> <input type="radio"/> Agglomeration <input type="radio"/> City <input checked="" type="radio"/> Neighbourhood <input type="radio"/> <b>Infrastructure</b> <input type="radio"/> <b>Buildings</b> <input type="radio"/> New <input type="radio"/> Refurbishment <input type="radio"/> <b>Building products</b> <input type="radio"/> <b>Process</b>
<b>Types:</b>	<input type="radio"/> <b>Performance</b> <input type="radio"/> <b>Efficiency</b> <input type="radio"/> <b>Descriptive:</b> <input type="radio"/> Driving force <input type="radio"/> Pressure <input checked="" type="radio"/> State <input type="radio"/> Impact <input type="radio"/> Response
<b>Users:</b>	<input type="radio"/> <b>Planners</b> <input type="radio"/> <b>Owners</b> <input checked="" type="radio"/> <b>Developers</b> <input type="radio"/> <b>Designers</b> <input type="radio"/> <b>Contractors</b> <input type="radio"/> <b>Producers</b> <input type="radio"/> <b>Facility Managers</b> <input type="radio"/> <b>Users and inhabitants</b> <input type="radio"/> <b>Interest groups and associations</b> <input checked="" type="radio"/> <b>Public bodies</b> <input checked="" type="radio"/> National <input checked="" type="radio"/> Regional <input checked="" type="radio"/> Local
<b>Process phase:</b>	<b>Building process:</b> <input checked="" type="radio"/> <b>Planning</b> <input type="radio"/> <b>Property development</b> <input type="radio"/> <b>Design</b> <input type="radio"/> <b>Construction</b> <input type="radio"/> <b>Operation</b> <input type="radio"/> <b>Demolition</b> <input type="radio"/> <b>Disposal</b> <b>Manufacturing process:</b> <input checked="" type="radio"/> <b>Product development</b> <input checked="" type="radio"/> <b>Manufacturing</b>
<b>Objective:</b>	<input checked="" type="radio"/> <b>Diagnosis</b> <input checked="" type="radio"/> <b>Monitoring</b> <input type="radio"/> <b>Assessment</b> <input type="radio"/> <b>Design</b>
<b>Scope:</b>	<input type="radio"/> <b>Global</b> <input checked="" type="radio"/> <b>National</b> <input checked="" type="radio"/> <b>Regional</b> <input checked="" type="radio"/> <b>Local</b>
<b>Restrictions and warnings for use:</b>	The analysis needs a huge amount of accurate and up-dated data on the local level. The inclusion in the class depends on dynamic factors, so it has to be periodically re-evaluated
<b>References:</b>	Green Paper "Rural Development in Romania" (PHARE Programme 1998)
<b>Additional information and remarks:</b>	As SD category was took into consideration the most representative ones, even more categories were approached

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