SUMMARY REPORT OF EXISTING EVALUATION TOOLS

Status	Final
Date of preparation	07.02.2011
Author	Energy Cities
Contributions from	All partners
Grant Agreement number	IEE/09/774/SI2.558357

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Presentation & criteria

What is the objective of the inventory?
It aims to help the selection of the most adequate tool by each pioneer city for the evaluation of the ENGAGEments. However, please note that it is not exhaustive and that you might know other relevant tools in your country!

What is an evaluation tool?
Based on consumption figures, sometimes on qualitative information, tools calculate a global balance depending on the field(s) covered (housing, transport...). The result can be expressed in kWh, CO_2 equivalents…

What is an approach?
Approaches are innovative methodologies applied in order to get people involved in reducing their energy consumption (blogs, competitions, forum solutions). They refer to projects targeting similar goals to ENGAGE and can provide ideas for local activities that could be implemented as part of the local ENGAGE campaign.

How was the inventory made?
It is based on:
- contributions from project partners;
- Energy Cities' researches;
- existing tools' comparisons and lists.

As a result, the inventory is not exhaustive. It was built mainly upon tools which are freely accessible.

What is a "relevant" evaluation tool?
Calculations are based on consumption figures so that the results are real and not estimated.
All the calculators whose results are only based on qualitative data have not been kept in the inventory.

See "How to select my tool?"

EVALUATION TOOLS (TO) Based on consumption figures, calculate a global balance depending on the field(s) covered	
Name of the tool	
Field(s) covered	Transport, housing, food, other consumption habits
Target group(s)	**1) Local authorities/public servants;** **2) Local stakeholders (businesses, schools, local associations...);** **3) Citizens.**
Support used	Online, software, spreadsheet
Target area(s)	Individual daily life consumption, municipality consumption (boundaries)…
Qualitative/quantitative information requested	Determines the precision of the result; energy balance: **real** (quantitative information required)/**estimated** (qualitative information required)
Unit of measurement	Existing units: - ha (ecological footprint); - kg of carbon dioxide equivalents; - kg of carbon equivalents; - kWh.
Available language(s)	
Free/licence	Free access/licence required
Developer & reference organisation	
Source	website…
Specificities	
Comments	User friendly, limits
Calculation method available	Described in a user's guide or accessible through a spreadsheet
Link with an approach	If the tool was part of a specific project.

APPROACHES/METHODS (AP) Innovative methodologies applied in order to get people involved in reducing their energy consumption (blogs, competitions, forum solutions)	
Name of the method/approach	
Status	Ongoing, finished, project
Implementation place	
Initiator	
Field(s) covered	
Target group	**1) Local authorities/public servants;** **2) Local stakeholders (businesses, schools, local associations...);** **3) Citizens.**
Access	
Source	website…
Summary	
Link with a tool	

Participant code	*Country code*	*Participant name*
3	DE	Heidelberg
4	HR	Ivanić-Grad
5	PT	Oeiras
6	FI	Helsinki
7	ES	Pamplona
8	FR	Rennes
9	SE	Växjö
10	BE	Liège
11	IT	Rimini
12	NL	Heerlen
13	GB	Leicester
14	PL	Bielsko-Biała

In the section "**Others**", you will find examples from other countries.

Colour code	Partner contribution

How to select my calculation tool?

Emission factors	The chosen tool for each city must either be based on national emission factors or regional/local if more precise figures exist.
Evaluation period	As the evaluation of ENGAGEments has to be done one year after they were made, the results must be based on a one-year period. NB: Some tools require a monthly figure and estimate the annual result.
Information delivered by the tool	In the poster tool, a **public servant** is responsable to specify for participants that choose to be monitored: - their energy savings in kWh/year (primary energy) - their CO_2 emissions in kg CO_2 equivalents/year - the Renewable Energy Sources produced in kWh/year
Information required from participants	Quantitative information is required (for housing and transportation) so as to have real and not estimated results.
Ease of use	The number of people engaged depends on the ease of use of the calculation tool. A user-friendly tool will reduce dropout among participants.
Comparison and networking	Historic feedback (comparing with previous recorded periods of consumption) seems to be more effective than comparative (comparing with other households or with a target figure). However, social networking tools, which enable you to create groups, might represent an attractive option to get involved for some people. This can be managed by local authorities.
Personalisation	If personalisation is possible, which means that the user can choose relevant options corresponding to his profile, results (energy savings) are better.
Monitoring	Participants should be able to register so as to create an account and save the evolution of their energy consumption. If this option is not available, an additional document should be provided to them so as to write down their results.
Additional criteria	Several tools are specifically developed for city-scale evaluation; they are not included in the selected list as the scale is too large. Support used: An online tool seems to be the more efficient for a participatory process; spreadsheets can also be considered.

03-DE(Heidelberg)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Mein CO_2 Spiegel	***transversal tool:*** household, heating, electricity, transport (car, plane, public transport), food, consumption (buying habits)	**3) citizens**	online	daily life consumption	qualitative and quantitative; **real** (except from food)	tonnes of CO_2 equivalents /year (by sector of consumption)	German	free	City of Heidelberg, Klimaschutz- und Energie-Beratungsagentur Heidelberg - Nachbargemeinden gGmbH	http://heidelberger.co2spiegel.de/	comparison with the municipal average possibility to register to as to save results			see Klima sucht Schutz
CO_2-Rechner	***transversal tool:*** household, housing (heating, electricity), transport (private, public, plane), food, consumption (buying habits)	3) citizens	online	daily life consumption	qualitative and quantitative; **real** (except from food)	tonnes of CO_2 equivalents /year (by sector of consumption)	German	free	KlimAktiv, avantTime Consulting GmbH, Institut für Energie (**located in Heidelberg**)	http://ifeu.klima-aktiv.de/ also accessible through various websites: Bayerisches Landesamt für Umwelt (Bayern Office for Environment): *http://www.lfu.bayern.de/index.htm* Ifeu (Institute for Energy and Environmental Research Heidelberg): *http://www.ifeu.org/index.php?bereich=ene&seite=CO2_fussabdruck* Greenpeace energy: *http://greenpeace-energy.klima-aktiv.de/* GLS Bank: *http://gls.klimaktiv-co2-rechner.de/de_DE/popup/* Hochschule Pforzheim: *http://fhpforzheim.klimaktiv-co2-rechner.de/de_DE/popup/* Hessiches Ministeirum für Umwelt: *http://www2.hmuelv.hessen.de/hmulv-hessen.html* ...	comparison with German average; evaluation and advices depending on personal results	unusual questions (age, weight); user-friendly	no	see Freiburger CO_2 Diät
CO_2-Rechner	***transversal tool:*** household, heating, electricity, transport (car, plane, public transport), food, consumption (buying habits)	3) citizens	online	daily life consumption	qualitative and quantitative; **real** (except from food and consumption habits)	tonnes of CO_2 equivalents (by sector)	German, English	free	Greenmiles GmbH	http://myrespect.calculator.greenmiles.de/calculators/	comparison with German average	unusual questions (age, weight); user-friendly; sectorial tools available (car/plane)	no	
Quarks & co CO_2-Rechner	***transversal tool:*** transport, heating, electricity, food, lifestyle	3) citizens	online	daily life consumption	qualitative (mostly) and quantitative; **real** (except from food)	tonnes of CO_2 equivalents /year (by sector)	German	free	WDR Fernsehen (regional TV channel of the West German Radio for North Rhine-Westphalia) Quarks & co: a weekly science magazine of the WDR TV	http://www.wdr.de/tv/quarks/sendungsbeitraege/2007/0130/005_klima.jsp		quite simple tool (few questions); no global result	no	
Atmosfair	flight transportation	3) citizens	online	individual consumption	quantitative; **real**	kg of CO_2 equivalents	English, German	free	atmosfair gGmbH	www.atmosfair.de				

03-DE(Heidelberg)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
Klima sucht Schutz	ongoing	Heidelberg	City of Heidelberg	daily life consumption	**1) public servants**, **2) local stakeholders**, **3) citizens**	free	http://www.klimasuchtschutz.heidelberg.de	Goals * Involve citizens in the climate protection programm * Climate protection should become an integral part of personal decisions in private life and in the job Target groups * All citizens - people who represent different social groups, different ages, different lifestyles - everybody should find climate protectors who affect him * Multiplicators and local VIP - City Council members, partners of the round table on climate protection and representatives of key professions were personally invited	
Der Freiburger CO_2 Diät	ongoing	Freiburg	City of Freiburg	daily life consumption	3) citizens	free	http://www.freiburg.de/servlet/PB/menu/1171114_l1/index.html	With the "Freiburger CO_2 Diät", the city of Freiburg gives the opportunity to interested citizens to learn about their personal CO_2 balance and the concrete possibilities for action on climate change. The "Freiburger CO_2 Diät" consists of three steps: 1) 'Personal CO_2 footprint' (with CO_2-Rechner) 2) 'Conscious Action' (tips and addresses specific to Freiburg and the region in order to reduce consumption) 3) 'Balanced Life' (CO_2 compensation)	see CO_2-Rechner

04-HR(Ivanić-Grad)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Kalkulator CO_2	transport, household (electricity and heating)	3) citizens	online	daily life consumption	quantitative; real	tonnes of CO_2 equivalents	Croatian	free	UNDP	http://www.undp.hr/show.jsp?page=100914		user friendly		
ISGE - Information system for energy managment	permanent process of energy consumption monitoring and energy efficiency measures implementation	1) local authorities	software	municipality consumption	qualitative and quantitative; real	kWh, kWh/m²	Croatian, some in English	free, Energy charter has to be signed by croatian cities and counties	UNDP Croatia and Ministry of economy, labor and enterpreneurship	http://www.isge.hr/		not user friendly, problems with sophisticated computer program	User's guide	I_can_have_solar_panels

04-HR(Ivanić-Grad)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
Display Campaign in Kindergardens and Schools	ongoing	Ivanić-Grad	City of Ivanić-Grad	buildings (kindergardens and schools)	children, parents, kindergarden and school staff	free	www.ivanic-grad.hr	This year Campaign is focused on kindergardens and schools. We print the posters and put them in visible places. After we informed children, employers and technical staff about the posters, but the Display Campaign also, on the date that is marked, we have opened a competition among them who will achieve better results for this year.	Display software
EE Info Centre	ongoing	Ivanić-Grad, area Poljana	City of Ivanić-Grad	education on energy efficiency and renewable energy sources	citizens, stakeholders, kindergarten and school kids, companies	free	www.ivanic-grad.hr	A range of educational activities such as: continuous information to citizens about energy savings and interesting energy issues, the implementation of thematic promotional and information campaigns to raise citizens' awareness on energy efficiency in buildings, organization of conferences to promote the rational use of energy and emission reduction, education campaigns about the design, construction and use of buildings in a sustainable way for targeted groups of citizens...	
Low energy community Poljana	ongoing	Ivanić-Grad, area Poljana	City of Ivanić-Grad	buildings (low energy houses)	citizens, young families	incentive conditions	www.ivanic-grad.hr	The project includes the construction of low energy or passive houses in Poljana on plots owned by the City. The City will sell 50 plots, averge sizes/ around 1.200 m² at a price of 15 €/m² to build low energy or passive houses. In low energy demonstration house is placed EE Info Centre, which consumes about 47 kWh/m² thermal energy (heat). Assuming building of 50 low energy houses an average of 100 m², the total built area will be 5.000 m² and an investment costs is 750 €/m². City of Ivanić-Grad subsidies the construction of low energy and passive houses in Poljana with 20% discount on municipal contribution as well as with a very low price of plots	
Promotion of energy efficiency and environmental protection	ongoing	Ivanić-Grad	City of Ivanić-Grad	education on energy efficiency and renewable energy sources	employes in public service, citizens, stakeholders, kindergarten and school kids	free	www.ivanic-grad.hr	The goal of promotion is to increase knowledge and awareness of citizens in Ivanić-Grad of the need for energy saving and environmental protection through promotional leaflets, brochures, radio and tv shows.	
Car pooling	ongoing	Ivanić-Grad, highway exit and railway station	City of Ivanić-Grad, Croatian Railways, Croatian Highways	transport	citizens who travel to work	free	www.ivanic-grad.hr	Due to vicinity of capital (the distance between Zagreb and Ivanić-Grad is 30 km), a large number of people from Ivanić-Grad commute to work in Zagreb by car. The City of Ivanić-Grad has built a large parking lot near the highway exit and the Mayor has invited the citizens to park their cars in the lot and carpool to Zagreb. Also, City of Ivanić-Grad has built a large parking lot near by railway station to encourage citizensto use public transport - trains.	
I can have solar panels!	finished for 2009., tender for 2010. in preparation	cities in Zagreb County, including Ivanić-Grad	Zagreb County + North-West regional energy agency (REGEA)	buildings	citizens, companies (SMEs)	incentive conditions	www.regea.org	Due to the raising prices of fossil fuels as well as the strengthening of the awereness of the need to preserve environment today, the interest for using solar energy in water heating is growing again.. The aim of the project is installation of solar systems for domestic hot water and heating in 50 homes in the area of Zagreb County, including Ivanić-Grad. Costs of equipment and installation of solar panels in household is co-financed with 40% of grants to a maximum of 2.000 € per household.	ISGE___Information_system_for_energy_managment
Systematic energy managemnt in cities and counties in Croatia	ongoing	cities and counties in Croatia, including Ivanic-Grad	UNDP Croatia	public buildings, permanent process of energy consumption monitoring and energy efficiency measures implementation	local authorites	incentive conditions	http://www.undp.hr/show.jsp?page=96845	Monitoring of energy consumption in the way that we know: WHERE is energy consumed (office buildings, schools, courts..); HOW do we consume energy (domestic hot water, lighting, heating systems); WHICH energy sources do we consume (gas, fuel oil, wood, electricity, water...) and HOW MUCh energy is consumed and what are the costs	ISGE___Information_system_for_energy_managment
Public lightening measures	ongoing	Ivanic-Grad	City of Ivanic-Grad	public lightening	citizens	incentive conditions	www.ivanic-grad.hr	Growth and maintenance of public lighting (rational use of EE, eco lighting, monitoring and control of lighting).	

05-PT(Oeiras)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Eco-Casa - CO2 simulator for house-work trips	Transportation	**3) Individuals**	Online calculator	Transportation / individual	Quantitative	g of CO_2 equivalents	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/SimuladorEmissoesCO2/simuladorEmissoesCO2.php			No information	
Carbono Zero	For companies: activity, event and publication CO_2 emissions calculation online tool; for individuals: daily activity and trip CO_2 emissions online tool.	**2) Companies and 3) citizens**	website and online calculation tools based on The Greenhouse Gas Protocol (GHG Protocol), eveloped by the World Business Council for Sustainable Development (WBCSD) and by the World Resources Institute (WRI)	Business; events; publications; trips; daily life.	Quantitative and qualitative	kg of CO_2 equivalents	Portuguese	Online tools are free; bigger project assessments or projects for CO_2 compensation are tailor-made and payed.	CarbonoZero® is a registered mark from the private company E-Value.	http://www.carbono-zero.com			The methodology used is referred and general information about the way the accounts are made are available alongside the calculation itself.	
CO_2Zero (under development)	Municipal and regional Energy consumption and CO_2 emissions	**1) Municipalities in the North Alentejo portuguese region**	An online tool is under development for the dynamic assessment of time and space evolution of energy consumption and CO_2 emissions	buildings (public, residential, services), trasportation, public lighting, industry	Quantitative	GWh and tonnes of CO_2 equivalents	Portuguese	Global information is online but the use of calculation / analysis / simulation capabilities of the online tool is reserved to technical staff of the municipalities and Energy Agency	AREANA Tejo - North Alentejo Regional Energy Agency	**Description**: http://www.areanatejo.pt/upload/projectos/ambiente/AREANATejo_Ficha_10_CO2Zero.pdf **1st phase output**: http://matrizesenergeticasareanatejo.irradiare.com/index.php?option=com_mapaentrada&view=mostrarmapa&Itemid=20			No information available yet	
ECO EDP - General	Energy efficiency, Carbon footprint and renewables	**2) Companies, 3) individuals, young people**	Website with several information and simulation tools	all	Depends on the tool									
ECO EDP - simulator for comparing the energy efficiency of several electric appliances	Energy efficiency of electrical appliances	**3) Individuals**	Simulator	Domestic	Quantitative	kWh/year and €/year	Portuguese	Free	EDP	http://www.eco.edp.pt/pt/particulares/simular/comparacao-de-eficiencia-energetica/simular			No information, but calculations are easy to understan - simple maths.	

05-PT(Oeiras)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Eco-Casa - comparison of electricity contracts/ tariffs	Electricity / domestic	**3) Individuals**	Online calculator	Individual	Quantitative	€	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/simuladorBiHorario/simuladorBiHorario.php				
Eco-Casa - comparison of efficient / innefficient light bulbs	Electricity / domestic	**3) Individuals**	Online calculator	Individual	Quantitative	€/year, kWh/Year and kg of CO_2 equivalents /year	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/simuladorComparacoes/lightReplacement.php				
Eco-Casa - savings from stand-by and off-mode	Electricity / domestic	**3) Individuals**	Online calculator	Individual	Quantitative	€/year, kWh/Year and kg of CO_2 equivalents /year	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/simuladorComparacoes/cancellationStandByOffPower.php				
Eco-casa - comparing cold producing appliances	Electricity / domestic	**3) Individuals**	Online calculator	Individual	Quantitative	€/Year and kg of CO_2 equivalents /year	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/simuladorComparacoes/coolingComparison.php				
Eco-casa - comparing washing machines	Electricity / domestic	**3) Individuals**	Online calculator	Individual	Quantitative	€/Year and kg of CO_2 equivalents /year	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/simuladorComparacoes/machineryComparison.php				
Eco-casa - comparing electric appliances	Electricity / domestic	**3) Individuals**	Online calculator	Individual	Quantitative	€/Year and kg of CO_2 equivalents /year	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/simuladorComparacoes/otherEquipmentComparison.php				
Eco-casa - assessing solar termal systems	Renewables	**3) Individuals**	Online calculator	Individual	Quantitative	% of all energy needed from solar; annual production GJ and kWh; cost €; time for investment return Years.	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/SolarTermico/solarTermico.php				
Eco-casa - geothermal heat pump vs other systems	Renewables	**3) Individuals**	Online calculator	Individual	Quantitative	cost €;energy produced kWh and tonnes of CO_2 equivalents	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/BombaCalorSubSoloFiles/bombaCalorSubSolo.php				
Eco-casas - phtovoltaic system simulation	Renewables	**3) Individuals**	Online calculator	Individual	Quantitative	Energy production kWh/year; Investiment €; Income in 20 years €;investment return years; emmissions avoided kg of CO_2 equivalents /year	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/Fotovoltaico/fotovoltaico.php				

05-PT(Oeiras)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Eco-casa - CO_2 emmissions from monthly energy consumption	Carbon footprint	**3) Individuals**	Online calculator	Individual	Quantitative	kg of CO_2 equivalents	Portuguese	Free	Quercus	http://www.ecocasa.pt/simuladores/Emissoes/emissoes.php				
DECO - how much does it cost to warm up my house?	Heating / energy efficiency	**3) Individuals**	Online calculator	Individual	Quantitative	€	Portuguese	Free	DECO - Associação de Defesa do Consumidor	http://www.deco.proteste.pt/casa/quanto-custa-aquecer-a-minha-casa-s341861.htm				
Cascais Energia - simulador de carbono	CO_2 emissions	**3) Individuals**	Online calculator	Individual	Quantitative	kg of CO_2 equivalents	Portuguese	Free	Cascais Energia - Cascais Energy Agency	http://www.cascaisenergia.org/Default.aspx?ID=2114			No information	

05-PT(Oeiras)-AP PROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
Project InovGrid	Ongoing	City of Évora and some pilot areas in the municipality of Oeiras	EDP	Smart grids, energy efficiency	**2) Companies and 3) individuals**	In the areas where the Project is developed, companies and individuals are invited to participate.	http://www.inovcity.pt/pt/ and http://www.edpdistribuicao.pt/pt/rede/InovGrid/Pages/RedesInteligentes.aspx	Évora will be the first portuguese city with an intelligent energy distribution grid. The project "inovGrid" works with the electricity distribution company and all its clients and through the installation of the "energy box" changes take place in the contract, pricing, payment and energy consumption management by the consumers, and in the same time the management of the distribution network is also updated. Consumers can also be producers (if they have renewable energy "micro-installations" and the "energy box" allows all the pricing/payment and network management be adjusted in real time). Consumers get to have a tool that allows them to monitor and decide in real time about appliances and thus have a capacity to optimise their electricity consumption.	
Passatempo Delta Tejo	Closed	Portugal	EDP	Efficient light bulbs	**3) Young people**	Free	http://www.edp.pt/pt/aedp/Pages/PassatempoDeltaTejo.aspx	EDP offered an efficient light bulb in exchange for an old incandescent one, and a ticket for a music summer festival to any person who answers correctly a question about energy efficiency.	
Projecto Ecocasa	Ongoing	Portugal	Quercus	Energy efficiency, renewables, mobility	**3) Individuals**	Free	http://www.ecocasa.pt/energia.php	The project integrates several actions to promote information and behavioural change of people on energy efficiency, renewables, sustainable mobility and also water use and waste management: the **website** of the project makes exaustive information available and several online tools to help take common decisions on energy use and management; the "**ecobrigades**" promote workshops all through the country with information on all the subjects covered by the project, for all publics; with the "**Eco-families**" project a direct advice is given to families registered in the project, in view of the improvement of energy efficiency in their daily life. Quercus has a TV short programme called "Minuto Verde" ("Green minute") where short environmental and energy efficient messages are given, in a daily mornig RTP programme.	
Projecto EcoFamílias II	Ongoing	Continental Portugal	EDP Distribuição and Quercus	Energy efficiency	**3) Families / Domestic**	By registration	http://www.ecocasa.pt/e_ecofamilias2.php	The project started in November 2005 and is in a second phase now, where 500 families were expected to participate in 2009 and another 500 in 2010. Participant families receive a visit from a person of the Project, who assesses their consumption habits, stand-by enegy waste, appliances consumption and characterisation of the house. With this information a "Recommendation Form" is made specifically for each family, covering suggestions on behavour changes, better use of appliances, change of appliances and sollutions for improving the thermal performace of the house.	
Brigadas Carbono	Ongoing	Continental Portugal	DECO - Consumer's Defense Association	Energy efficiency and CO_2 emissions	**3) Families, 2) companies, schools**	Free - actions are scheduled upon request anywhere in 7 districts of the country: Viana do Castelo, Porto, Coimbra, Santarém, Lisboa, Évora e Faro	http://www.deco.proteste.pt/energia/campanha-informativa-gestos-simples-s550701/dos/581061.htm	Teams of young people are trained in environment, energy efficiency and greenhouse gas emission matters and develop information actions in schools, companies, fairs and commercial centres, distributing information materials like posters, leaflets and guides for energy efficiency for companies and school teachers. In 2008 more than 1500 actions took place and from October 2009 to May 2010 a Campaign in being developed under the title "Simple Gestures".	
Família Oeiras Ecológica	Ongoing	Oeiras	Municipality of Oeiras	Energy efficiency (also water usage, wastes and sustainable consumption)	**3) Families**	Registration	http://www.cm-oeiras.pt/amunicipal/OeirasRespira/SensAmb/Paginas/ProjectoFamiliaOeirasEcologica.aspx	The municipality of Oeiras invited the first 50 families do register in this project in 2009, with the support of OEINERGE; each family is accompanied and an environmental audit is made, from which several suggestions are made. These families are monitores during a year, to assess real benefits resulting from the project.	
Programa de Educação Ambiental	Ongoing	Oeiras	Municipality of Oeiras	Energy efficiency and renewables	**2) Schools**	Registration	http://www.cm-oeiras.pt/amunicipal/OeirasRespira/SensAmb/EduAmbEsc/Paginas/EducaçãoAmbientalnasEscolas.aspx	Since 1994/1995, the Municipality of Oeiras proposes each school year a set of information and educational activities for schools, focussing on different environmental subjects. Since 2004 energy efficiency and renewables are subjects covered by the programme, and schools can: receive an information session about the european project Display or about the use of food used oils to produce biodiesel, or participate in the National Day of Energy (May 29). These actions have already covered several hundreds of students in the municipality.	
Eco-Escolas / Eco-Schools	Ongoing	National / International	National ABAE - Associação Bandeira Azul da Europa / International FEE - Foundation for Environmental Education	Energy efficiency (among other themes)	**2) Schools**	Registration / annual	**Portugal:** http://www.abae.pt/programa/EE/inicio.php; **International:** www.eco-schools.org	Schools develop a participative audit to the school and a plan of action in view of objectives for energy and climate change, water and waste and other optional subjects.	
Caça-Watts ("Watt Busters")	Ongoing	Cascais	Cascais Energia	Energy efficiency, renewables, mobility	**3) Population of Cascais**	Registration - small fee	http://www.cascaisenergia.org/Caça-Watts.aspx?ID=106	Technicians of the "Watt Busters Brigade" are available to make an audit to the house, which will study: energy consumption patters, over-consumption points, comparison of appliances' efficiency, where and how to reduce waste. After the audit, a report is printed with the final diagnose and good practice recomendations, tryingo to give perfect knowledge to the person in cause as to what he/she can save, if he/she follows the advice given. A simulation of the installation of solar thermal panels is made, containing the technical characteristics more appropriate in each case.	

05-PT(Oeiras)-AP PROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
Consultorioeinerge	Ongoing	Oeiras	OEINERGE	Energy, Mobility & Environment	**3) Population and 2) companies of Oeiras**	Free	http://consultorio.oeinerge.pt/	The website contains practical information useful for the population of Oeiras, like public transportation paths and timetables, a guide for energy efficiency at home, etc. A forum-type platform complements the website for greater interactivity (http://oeinerge.ning.com/), and personal advice can be given by e-mail or phone.	

06-FI(Helsinki)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
ilmastodieetti (climate diet)	housing and energy, waste, transport, food, consumption	3) citizens	online	daily life consumption	quantitative (except from food and waste)	kg of CO_2 equivalents per year	Finnish	free	Finnish Environment Institute SYKE, YLE andOne did it Oy	http://www.ilmastodieetti.fi/Ilmastolaskuri.html	postcode needed	Part of Carbon Neutral Municipalitites-project	http://www.ilmastodieetti.fi/Ilmastodieettilaskurin-perusteet_2010-04-23.pdf	
Travel in Finland virtually	transport	3) citizens	online	daily life consumption	quantitative	€ per person, MJ per person, kg of CO_2 equivalents per person	Finnish, Swedish, English	free	Motiva	http://www.motiva.fi/matkalla_suomessa/peliiso.html				
CO_2-calculator for bensin cars and appliances		3) citizens	online				Finnish	free		http://www.adenova.fi/ilmastonmuutos/?page=actions&ryhmaid=9				
Hiilijalanjälkitesti (Carbon foot test in web site of Finnish main newspaper Helsingin Sanomat)	Overall CO_2 emissions of an individual	**3) Individuals**	online	Food-Transportation-Living Consumption-Waste	Qualitative and quantitative	kg of CO_2 equivalents per year	Finnish	Free	Natural Interest Oy, Byroo Oy, Helsingin Sanomat	http://www.hs.fi/viesti/hiilijalanjalkitesti_				
EKOAUTO-laskuri	CO_2 emissions, Diesel/Petrol consumption and costs and of different car models	**3) Individuals**	online	Private Driving	Quantitative	kg of CO_2 equivalents and cost (euros)	Finnish	Free	ekoauto.eu	http://www.ekoauto.eu/compila.asp_		Easy way to compare env. efficiency of different kind of car models		
Reittihaku (Journey planning part for Helsinki region transport web-site)	CO_2 emissions of public transportation	**3) Individuals**	online	Public transportation	Quantitative	kg of CO_2 equivalents per year /route	Finnish/ English	Free	HSY	http://www.reittiopas.fi/		This application is ONLY for Helsinki area; comparison with the same journey done by car		
Päästölaskuri	CO_2 emissions of flying	**3) Individuals**	online	Consumption/ Travelling	Quantitative	CO_2/km (lenght of the travel)	English	Free	Finnair Oy	http://www.finnair.fi/paastolaskuri/				
Petra	Waste magagement	**2) Firms in Helsinki Capital area**	Online Calculator /Database	Waste management	Quantitative	kg/year	Finnish	Free	HSY	http://www.hsy.fi/seututieto/ilmasto/tyokaluja/petra/Sivut/default.aspx		Comparison with the average waste amounts/ sector	C02 emissions of the waste will be included in the tool in 2011	
Hiilijalanjälkilaskuri /Hotellit	CO_2 emissions of hotels	**2) Hotels**	online	CO_2 emissions of hotels	Qualitative	Not known	Finnish	Payment fee	Ecommodation Oy	http://www.haagaperho.fi/Haaga-Perho/Suomeksi.iw3?showlocation=f8c6b694-0f57-4cce-b53a-9a547d7143ea&newsID=5e7dff4c-8134-486a-921f-7e7e361c0a47				

Note: We received contributions from Motiva

06-FI(Helsinki)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
Display® Campaign	ongoing	Helsinki	Energy Cities	public buildings, schools	**1) local authorities**, **2) 3) schools (parents)**	not free	http://www.display-europe.org/example535?PHPSESSID=kanepug2nnqisvarg3mgu402i7 http://www.display-europe.org/example534?PHPSESSID=kanepug2nnqisvarg3mgu402i7	Energy label; 150 buildings in Helsinki	Display software
City of Helsinki energy savings board's energy saving competition	ongoing (every 2 year)	Helsinki	City of Helsinki	all energy use (public buildings, trafic, procurement,recycling, street lighting etc)	**1) public servants**	free	http://www.hel2.fi/esnk/	Focused on city employees Two categories : simple actions, technical actions Action implemented or new idea Proposals 50 in 2009; 36 in 2010 Award total sum of 10 000 euros	
Energy saving week	ongoing (every year in Oct. Since 1996)	National	Motiva	all energy use	**1) local authorities, 2) local stakeholders 3) citizens**	free	www.energiansaastoviikko.fi , www.motiva.fi	Every participant makes a week of its' own. In Helsinki "Negawatts" advice desk in the main bus station For schools in Helsinki: training occasions, education package for teachers and school children for free, 32 000 children have participated so far	
Green Fingerprint	finished (active campaign, the web-page is open)	Finland	Helsingin Energia (City owned Energy producer and distributor) in co operation with Motiva and WWF	all energy use	**3) citizens**	free *(but the camaign was expensive for the initiator)*	www.energianeuvoja.fi ; www.helen.fi	Based on two cyclists who made a journey by bikes from Kilpisjärvi (north) to Helsinki (south) after given energy pledges * Famous athletes or celebrities * One energy pledge moved the duo 100 m * Pledges were commented in the web page * Almost 16 000 pledges was given * Information given during the journey Thank-you concert Active advertising and good media coverage	
ECO challenge	ongoing	Helsinki (National)	City of Helsinki	all energy use	**3) citizens**	free	www.hel2.fi/ekohaaste	3 level questions (tick questions): energy consumption, purchases, mobility Comments on why important and what is right Collecting points Request to change your habits and try again later to get better points No award – no calculation of CO_2	
TEE MUTOS (You Control Climate Change)	ongoing	All European capitals	European Commission	all energy use	**3) citizens**	free	www.ilmastonmuutos.info http://ec.europa.eu/environment/climat/campaign/index_en.htm	Tips to decrease your CO_2 -emissions Place to give pledges 4500 pledges in Finland Link to calculate you carbon footprint In Helsinki "TEE MUUTOS" event with many celebrities to give pledges Many projects and events Good media coverage	
Climat Diet	ongoing	Finland	Finnish Environment Institute, Finnish Broadcasting Conpany	all energy use	**3) citizens**	free (pilot families chosen by Initiator)	www.ilmastodieetti.fi	Calculating family's "CO_2 –weight" "Climate doctor's" consulting service 4 famous families participate to launch the use of calculation tool "CO_2 –weight" calculated "Diet tips" given Monitoring Other citizens can share their good practises Finnish Broadcasting Company shows TV document series about the success of the Diet	
The Energy Family of the Year	ongoing	Finland	Vattenfall (energy company)	daily life consumption	**3) citizens**	free (pilot families chosen by Initiator)	www.vattenfall.fi/energiaperhe	3 families from 500 candidates Real time meters installed Vattenfall's energy experts make an "energy audit" and set the target – guidance during the campaign Other people can monitor the development and give tips via www-pages The family that reaches the target gets one years electricity free	
Make a Climate Initiative	finished	Helsinki (National)	City of Helsinki	all energy use	**3) citizens**	free	closed	Launched during Earth Hour by the City of Helsinki On Helsingin Energia's and Environmental Department's www-pages In 2 weeks time 53 initiatives Award: vintage bicycle and energy saving bulbs Winner: "Competition between sectors of the City or buildings"	

06-FI(Helsinki)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
City of Helsinki Environmental Award	ongoing	Helsinki	City of Helsinki	all energy use	**1) Local authorities/public servants; 2) Local stakeholders (businesses, schools, local associations...); 3) Citizens.**	free	_ (the competition is announced every year)	Admitted by Deputy Mayor (Public Works and Environmental Affairs) Pekka Sauri Make a proposal or propose somebody /company Proposals 69 in 2009; 33 in 2010 Price: honour and good reputation! (City Car Club (2009), Shipping company IHA-Lines (2010))	
Ilmasto info - Reduce a tonne!	finished	Helsinki	Ilmastoinfo	all energy use	**3) citizens**	free	http://www.ilmastoinfo.fi/tonnivetoa/	During 50 active days of challenging some 2000 citizens participated in Ilmastoinfo's starting campaign and some 2000 tonnes of CO2 emissions will be reduced from the Helsinki metropolitan area's climate!	

07-ES(Pamplona)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
CeroCO_2	electricity, heating, car transportation, plane	**3) citizens**	online	daily life consumption	quantitative; real	tonnes of CO_2 equivalents	Spanish	free	Foundation Ecology and Development and Acciónatura	http://www.ceroco2.org/Calcular/Default.aspx				

07-ES(Pamplona)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
Display® Campaign	ongoing	Pamplona	Energy Cities	public buildings	**3) citizens: users of the 20 selected buildings**		http://www.display-europe.org/example651?PHPSESSID=kanepug2nnqisvarg3mgu402i7	**Objective:** to encourage citizens to save energy and water. **Stakeholders:** schools, managers of buildings, retrofitting companies, materials companies (light bulbs, windows...) and suppliers of energy. **Key message:** Improve the performance of your building - improve the performance of this building changing your habits and asking for taking measures to the person in charge **Strategy and tactics:** to make audits of the buildings every year and to display a poster with the energy and water performance. Press conference and press notes, workshops with users, posters, stickers… **Evaluation:** every year with the audits of the buildings	Display software
E2DEMOCRACY	ongoing	Pamplona	the European Science Foundation (ESF), the Austrian Science Fund (FWF), the German Research Foundation (DFG) and the Spanish Ministry of Science and Innovation		**2) companies of Pamplona**, **3) citizens of Pamplona**		http://www.e2democracy.eu	**Objective:** to encourage citizens and companies to reduce their CO_2 emissions by a 10% in 2 years **Stakeholders:** Public Bodies, universities... **Key message:** reduce your CO_2 emissions as your Municipality has committed to do the same **Strategy and tactics:** to select 400 voluntary people to help them to reduce their CO_2 emissions (home, transport, consumption...) by following them through a 2 year period, giving them advice to save energy and water. Press conference and press notes, advertisements on local press, emailing… **Evaluation:** with a CO_2 calculator tool online, that compares the emissions of one person with the mean emissions of the participants	
Kyoto Homes		Pamplona		daily life consumption	**2) stakeholders: suppliers of energy…** **3) citizens**			**Objective:** to help citizens to save energy and water in order to reduce their CO_2 emissions Key message: with simple measures and little change of habits you can reduce your impact on the environment without losing welfare Strategy and tactics: to follow the consumption of energy and water at home of participants who participate in three workshops and receive one low energy light bulb, one low flow aerator and one thermometer. Press notes, advertisements on local press, brochures… **Evaluation:** following energy and water bills of participants one year before and one year after the beginning of the project.	
Mobility Week - Car Free Day		Pamplona		transport	**3) citizens**	free		**Objective:** to aware citizens about sustainable mobility **Stakeholders:** transport companies, mobility organizations… **Key message:** change your way of moving. Make it for the environment and for your health **Strategy and tactics:** to make a car free day (2003-2004) closing streets to the traffic, and to celebrate a mobility week (2005-2009) with many activities about sustainable mobility. Press conference and press notes, advertisements on local press and street furniture, brochures, stickers… **Evaluation:** there is no evaluation on this campaign	
World Environment Day		Pamplona	UN		**3) citizens**	free		**Objective:** to aware citizens about environment issues **Stakeholders:** companies, public bodies… **Key message:** each year a different message: Many species. One world. One future (2010), We can avoid it together, Pamplona against climate change (2009), In Pamplona nature is in the city / For the environment reuse me [shopping bag] (2008)… **Strategy and tactics:** to organise many activities: workshops, exhibitions, playful activities… during one day or one week. Press conference and press notes, advertisements on local press and street furniture, brochures, posters, emailing… **Evaluation:** only through the number of participants	
Low Energy Light Bulbs Campaign		Pamplona		lighting	**3) citizens**	free		**Objective:** to encourage citizens to change their light bulbs for low energy ones **Stakeholders:** lighting stores, bulb companies… **Key message:** change light bulbs by low energy light bulbs at home **Strategy and tactics:** to give a low energy bulb free when buying one in a store participating in the campaign. Press conference and press notes, advertisements on local press, brochures, posters in stores… **Evaluation:** with the total number of bulbs it has been estimated the CO_2 emissions avoided	
Car Sharing Campaign		Pamplona		transport	**3) citizens**			**Objective:** to encourage citizens to share their cars **Stakeholders:** big companies, transport companies… **Key message:** sharing your car is good for the city and good for your pocket **Strategy and tactics:** to give a service through municipal web page to contact with other people who want to share their car to go to work or to study. Press conference and press notes, internet web page, brochures... **Evaluation:** recording the number of shared trips we calculate the CO_2 emissions avoided and the money saved by users	

08-FR(Rennes)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Bilan Carbone® Personnel	***transversal tool:*** housing (energy use, equipment), transport (type of car and travel habits), food, consumption (daily life, clothing, leisure)	3) citizens	online	daily life	qualitative and quantitative; **real**	kg of C equivalents (by consumption sector)	French	free	ADEME, Avenir Climatique, INSA de Lyon	http://www.calculateurcarbone.org	a line on the histogram represent the limit imposed by the factor 4 policy	critics found: not relevant presentation of the factor 4, no comparison with the national average	no	see COACH CARBONE®
Caculateur CO_2	transport, domestic energy (gas, fuel, electricity)	3) citizens	online	journey, house emissions	quantitative; **real**	tonnes of CO_2 equivalents (only by sector)	French	free	CO_2solidaire (Groupe Energies Renouvelables Environnement et Solidarités)	http://www.co2solidaire.org/calculateur		simple (few questions)	no	
Le climat entre nos mains	***transversal tool:*** household, housing, transport, food, consumption (buying habits)	3) citizens	online	daily life consumption	qualitative and quantitative; 2 possibilities: **estimated** or **real** if figures known	tonnes of CO_2 equivalents (presentation by consumption sector and comparison with the national average)	French (also available for Switzerland with different data used in calculations)	free but need to register (mail address)	KlimAktiv gemeinnützige Gesellschaft zur Förderung des Klimaschutzes GmbH translated into French by LaRevueDurable	http://www.leclimatentrenosmains.org/	Tool used and translated into French: CO2-Rechner by KlimAktiv	critics found: simple evaluation, do not take a second house into account **emissions factors available for France and Switzerland but not for Belgium**	no	see Le climat entre nos mains
Widget Action Carbone	transport (plane, car, train, public transport), housing	3) citizens	widget	daily life consumption	quantitative; **real**		French	free	Foundation GoodPlanet (chaired by Yann Arthus Bertrand)	http://www.actioncarbone.org/widget/iframe.php	can be integrated into websites and blogs		based on the ADEME Bilan Carbone® (6.1) and Google Maps for transportation http://www.actioncarbone.org/TP_classic.php?read_tbl=4_3&read_rub=CALCULATEURS&read_srub=M%C3%A9thodologie&ref_rubrique=4	
Bilan Carbone© Campus	***transversal tool:*** fixed sources (fossil fuels, electricity), freight (road, train, plane, boat), people transport, material (paper, plastic…), cafeteria, direct waste, capital assets (buildings surfaces, informatic equipment)	2) students and teachers of higher education institutions	spreadsheet	campus	quantitative; **real**	tonnes of C equivalents	French	free	ADEME and Avenir Climatique	http://www.bilancarbonecampus.org/	training sessions organised by REFEDD (Réseau Français des Etudiants pour le Développement Durable) http://www.refedd.org/ateliers-bcc-prochaines-dates.html		yes (spreadsheet)	

08-FR(Rennes)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
Forum ouvert post carbone	Dec 7th & 8th 2009	Rennes	City of Rennes	collective initiative to cut the CO_2 emissions of the city	**1) 2) public and private organisms**, 3) citizens	free (130 citizens and representatives of public and private organisms)	http://www.planclimat.rennes.fr/	As part of the *Plan climat, p* articipants were invited to answer the following question: 'Which collective initiatives, which can have an impact and are realistic, can we imagine in order to cut CO_2 emissions in our city?'. About the method 'Open Forum': brings creative meetings, whatever the groups of stakeholders, the participants create and manage the agenda.	
Clic'ADEME		France	ADEME		**1) local governments/public servants**	to be purchased		Set of tools which aim to set up approaches promoting 'eco gestures' in public administrations and municipalities; Similar too the toolkit developed by the Canadian Office of Energy Efficiency: http://oee.nrcan.gc.ca/publications/industry/cipec/employee/index.cfm?attr=24	
Energy control in businesses	ongoing (from)	PNR Haut-Jura	PNR Haut-Jura	global approach for industry consumption	**2) local industries**	free	http://www.parc-haut-jura.fr/fr/mediatheque/fiche.php?id=1190896&num=1	An awareness campaign towards three local companies were led to save energy. Three energy pre-diagnosis were realised. Based on these experiences, a guide is now available and gives the methodology to realise such a pre-diagnosis. 'The cheapest energy is the one we don't use.'	
COACH CARBONE®	"test households": June-July 2010; public launching: between Sept. 25 and Oct 1st (energy week)	France	ADEME and Fondation Nicolas Hulot	housing, transport, food, equipment	3) citizens	free; a questionnaire is available to households who want to get involved in order to be 'test household'	No website for the moment; http://www.fondation-nicolas-hulot.com/blog/tags/coach-carbone questionnaire: http://spreadsheets.google.com/viewform?formkey=dFM5NF9NN3V2QUhvelZnR2tiZ1BUeXc6MQ	The consumption of test households will be evaluated and a personalised help to reduce emissions will be suggested. Possible use: Plan Climat Territorial, Agenda 21 and companies (tool's personalisation on study)	see Bilan Carbone® Personnel
Familles à énergie positive	1st edition: from Nov 1st 2009 to April 30th 2010; 2nd edition: from Nov 1st 2010 to April 30th 2011	1st edition: Chambéry métropole; 2nd edition: local authorities recruitment ongoing	Prioriterre, Chambéry métropole, ASDER (Association Savoyarde pour le Développement des Énergies Renouvelables)	household emissions	3) citizens	free (registration and selection)	http://www.chambery-metropole.fr/3497-concours-familles-a-energie-positive.htm http://www.prioriterre.org/ong/collectivites/a2212/10-d-economies-d-energie.html http://www.familles-a-energie-positive.fr/fr/	Competition for families which is part of the *Plan climat territorial* of Chambéry. Participating families learn methods to reduce their energy consumption, with the help from people trained by ASDER (local association for the development of renewable energies). Their goal is to reduce their energy consumption from 8%. An online software is used to gather data (energy bills).	part of the project Energy Neighbourhoods
Le climat entre nos mains	ongoing	Lille métropole, Le Grand Lyon, Mulhouse Alsace Agglomération, Saint-Etienne Métropole	Revue Durable, Lille métropole, Le Grand Lyon, Mulhouse Alsace Agglomération, Saint-Etienne Métropole	daily life consumption	3) citizens	free (registration)	http://www.leclimatentrenosmains.org/tous-les-territoires-engag-s	Citizens are encouraged to register and calculate their carbon footprint. For the engaged territories, a map shows the location and emissions of the participants, citizens or businesses, ('ordinary heroes').	see Le climat entre nos mains
Montre verte / City pulse	30 prototypes were tested in May 2009 in Paris.	Paris (A project to develop the concept in Manchester, Amsterdam and Genève is on course (Green Eyes Project).)	Fing (Fondation internet nouvelle génération) with Région Ile de France, Futur en Seine	air quality, noise	3) citizens	free	http://www.villes2.fr/Experimentation-1-Montre-verte-City-pulse_a270.html http://fing.org/?-Motre-verte-CityPulse-	Conceived under the program Cities 2.0., the green watch comprises a watch and two environmental sensors (ozone, noise). Data are broadcasted via a mobile phone to a platform. The objective is to give an attractive and aesthetic dimension to the objective of sustainable cities. The platform Citypulse was developed in Jan 2010.	
Tinkuy	ongoing		Tinkuy	daily life consumption	3) citizens	free (registration)	http://www.tinkuy.fr	Members can suggest eco-gestures, products…, and vote for those they consider as the most relevant. The more people participate, the more they get 'Tinkpoints' and get guides, discounts, eco-products…	
Workshops for *Plan Climat*	finished (April - June 2010)	Agglomeration of Tours	Agglomeration of Tours	planning, housing, energy production, energy consumption, transport	3) citizens	free	http://www.climat.agglo-tours.fr/index.php?idtf=5003	These workshops are the second step of the *Plan Climat* . Five workshops concerning five themes (planning, building, moving, producing, consuming) are each gathering about 30 local volunteers. The participants are invited to debate and share opinions in order to contribute to the final action plan.	

09-SE(Växjö)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Energikollen "Energycheck"	electricity, heating (Fjärrwärme), water	Inhabitants/customers	online	electricity saving	quantative	kWh	Swedish	everyone in central Växjö, but also smaller villages (Rottne, Ingelstad and Braås) that have district heating can log on to Energikollen/Energy Check and see heating (not electricity)	Växjö Energy Ltd	http://www.veab.se/Miljoe/EnergiKollen.aspx	**only for VEAB clients (29 000 customers in Växjö)** gather energy consumption figures on a daily basis competitions can be done invidivually or in teams comparisons are made with previous results several options (period, unit) are available			

09-SE(Växjö)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
Agenda 21		Växjö	City of Växjö	Sustainable Development	stakeholders, companies, inhabitants		City of Växjö	Roundtable discussions and stakeholders involved Cooperation 1995-97 with Swedish Society for Nature Conservation Information, knowledge and dialog is important tools for change (open seminars, local information meetings, exhibition at Libraries, newspaper advertisements, inviting inhabitants to comment)	
Trampa Luft	ongoing (from Spring 2009)	Växjö	City of Växjö	Transport – traffic	**3) citizens**		http://www.vaxjo.se/VaxjoTemplates/Public/Pages/Page.aspx?id=45260	School and childcare; Starting in Spring 2009 in 4th grade Goal to affect behaviour: walk/bike/take the school bus instead of private cars	
Solar plant		Växjö			**3) citizens**			Renewable energy in teaching (6 education modules, study visits)	
SAMS		Växjö	City of Växjö	Energy	**3) citizens**		www.sams.se	Goal to save 5 % electricity in households Energikollen, a web-tool A project within the EU-project Sesac Competitions such as Energy hunters; events	Energikollen, Energy check
The Climate Idols	Spring 2010, result Autumn 2010	Växjö	City of Växjö	Climate	**3) citizens**		http://www.vaxjo.se/default.aspx?id=46128 http://www.northlandsnewscenter.com/news/local/97125674.html	7 local celebrities 5 challenges (energy, food, consumption, transport x2) Role models for the citizens in the Greenest City in Europe Competition between the idols and their employees. Will be spread to Duluth, USA, feature from american television:	My planet (WWF)
The European Week for Waste Reduction, EWWR	21-29 November 2009 3-year project	Växjö		Waste	**3) citizens**		www.ewwr.eu	Supported by the LIFE+ Programme of the European Commission (2009-2011) Awareness about waste reduction strategies Promote sustainable waste reduction actions Encourage changes in the behaviour (consumption, production) in everyday life	
Survey among inhabitants	done in Spring 2010 (2008, 2006)	Växjö	City of Växjö	Environment	**3) citizens**		City of Växjö	A public survey from Statistics Sweden on how it is to live in Växjö has been carried out in Växjö in spring 2010. It is the third in order. The response of Växjö is above average for Swedish municipalities. The purpose of this survey is to investigate how residents: experience their municipality as city to live in, experience of municipal activities, can influence the municipality's activities and decisions	
Energivinsten (Energy Gain)	finished	Lidköping	Lidköping municipality, the Swedish Environmental Protection Agency	companies' consumption	**2) companies (manufacturing companies, industrial workshops, agricultural enterprises, real estate companies, groceries, supermarkets and automotive retailers etc)**		http://www.lidkoping.se/servicechtjanster/energimiljo/energivinsten/theenergygain/process.4.2fcfad8911facf86e88800016681.html http://www.managenergy.net/download/nr280.pdf	The aim of the Energy Gain is to increase awareness of energy issues in SME in Lidköping. 86 companies have been given the education and the objective is very likely to be reached and exceeded during the programme. The project contains two parts, one educational and one practical. The education is specific for each industry branch. The focus in the education is on energy use and both seminars and study visits are used. Each industry branch has their own education to facilitate experience exchange and to tailor-make the seminars. In the practical part the participating companies are doing an inventory of their energy use and invest their possibilities for making their energy use more efficient as well as increasing the use of renewable energy.	

10-BE(Liège)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Factor X calculator	***transversal tool:*** housing, food, clothing, goods, high tech, domestic animals, watse, transport,	3) citizens	spreadsheet	daily life	qualitative and quantitative; **real**	kg of CO_2 equivalents	French	free	Factor X	http://www.exit-co2.be/IMG/xls/Calculateur_EXITCO2_VF.xls	adapted to the Walloon region! Only some sections are obligatory to be filled in	FAQs	http://www.exit-co2.be/spip.php?article125&id_mot= http://www.exit-co2.be/IMG/pdf/outil_mode_d_emploi.pdf	see Exit CO_2
Bilan Carbone® Personnel	***transversal tool:*** housing (energy use, equipment), transport (type of car and travel habits), food, consumption (daily life, clothing, leisure)	3) citizens	online	daily life	qualitative and quantitative; **real**	kg of C equivalents (by consumption sector)	French	free	ADEME, Avenir Climatique, INSA de Lyon	http://www.calculateurcarbone.org	a line on the histogram represent the limit imposed by the factor 4 policy	critics found: not relevant presentation of the factor 4, no comparison with the national average	no	see COACH CARBONE®

10-BE(Liège)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Target group(s)	Field(s) covered	Access	Source	Summary	Link with a tool
Exit CO_2	16.10.2010 to 16.10.2011	Belgium	Fédération Inter-Environnement Walloon with the support of the Wallonne Region	3) citizens			http://www.exit-co2.be	5 celebrities and 60 households engage to reduce their CO_2 emissons. They will measure their progress thanks to the Facotr X calculation tool. This project will enable to show, in a very precise way, if it is possible for a household to reduce its carbon footprint from 25% in a year.	see Factor X calculator
Défi Énergie (Households/Schools)	ongoing	Bruxelles Capital Region	Bruxelles Environnement IBGE (administration of environment and energy of Brussels Capital Region)	**2) schools (Défi Energie Ecoles)**, 3) citizens (Défi Energi ménages)	daily life consumption	**Défi Energie Ménages**: free (registration: 'sociologic questionnaire' + 'your commitments') **Défi Energie Ecoles**: free (limited places)	http://www.defi-energie.be/index2.php http://www.developpementdurable.be/praktijk/28/articles/1876	**Défi Energie Ménages:** The campaign suggests a personalised support based on energy bills and home details. Almost 4,000 households are currently involved. A 'tool kit' is available for participants, including a simplified carbon calculator (gas/fuel/electricity consumption per year and car transportation), a forum, the subscribed commitments...) **Défi Energie Ecoles**: (35 participating schools) *Défi Energie Forte* : During the school year, an 'Energy Coach' from Bruxelles Environnement accompanies schools in order to increase awareness of energy issues among pupils and teachers. An 'interactive calculator' helps them realising their energy economies. *Défi Piano* : Technical advices, activities about energy, calculation tools are available for participating schools.	
Concours Clim'Actives	ongoing	Wallonn Region	Ministry of Environment, Belgium	**1) local authorities**	mobility, building, environment…	free	http://www.climactives.be/	The competition aims to encourage local authorities to reduce their ecological footprint. Local authorities can participate and present their projects. The winners receive a financial price and a local communication campaign. Liège took part in the competition.	
Klimaatwijken (climate districts)	ongoing (since 2004)	several Belgian municipalities	Bond Better Leefmilieu (independent federation of more than 140 natural and environmental associations in Flanders)	3) citizens	daily life consumption		http://www.bondbeterleefmilieu.be/klimaatwijken/	There is a bet held between the council and the residents of the town who gather in climate districts. Purpose of the bet is eight percent savings in six months time. If a municipality has decided to join, start it - or not in collaboration with supporting organizations, the recruitment of participants and Energy Masters (August-September). In October following the training of masters and an energy official start time for each municipality. On November 1 starts the measurement campaign. From that participants hold their weekly meter readings of electricity and gas and give it weekly or monthly basis to the energy master. The energy fills the master meter on the website. Participants may also own meter readings on the website below. The energy master will then check periodically that no erroneous readings are completed. From November to start the one or two monthly meetings with the energy master. Energy Masters would receive an invitation from the province. Halfway through the survey (early February)), the municipality organizes an intermediate energy drinks which we publish interim results. On April 30 stops the measurement campaign. The results are calculated. They are communicated to a festive time slot, organized by the province.	link with the approach Energy Neighbourhoods

11-IT(Rimini)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
DOCET (Software di Diagnosi e Certificazione Energetica degli Edifici Residenziali Esistenti)			software	buildings						http://www.docet.itc.cnr.it/				
SACERT										http://www.sacert.eu/				

11-IT(Rimini)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Target group(s)	Field(s) covered	Access	Source	Summary	Link with a tool
Ambiente festival	finished (from Oct. 22nd to Nov. 2nd 2009)	Rimini	Municipality of Rimini				www.ambientefestival.it		
							www.riminiventure.it		

12-NL(Heerlen)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
										www.co2-monitoring.nl				
										www.dwa.nl				
CARMON	energy consumption	cities	online	cities, housing associations	??	tonnes of CO_2 equivalents	Dutch, English?	licence	Ecofys	http://www.ecofys.com/nl/expertisegebieden/strategische_consulting/klimaatbeleid/carmon_overheden.htm		difficult, a lot of work	??	

12-NL(Heerlen)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Target group(s)	Field(s) covered	Access	,	Summary	Link with a tool
Amsterdam Smart City	ongoing	Amsterdam	Liander and the Amsterdam Innovation Motor + partners				http://amsterdamsmartcity.com/#/en	A collaboration between the inhabitants of Amsterdam, businesses and governments; focuses on innovating technology combined with stimilating behavioural change og Amsterdam residents	
Rotterdam Climate Initiative	ongoing	Rotterdam	City of Amsterdam, major companies	**1), 2), 3)**			http://www.rotterdamclimateinitiative.nl/en/100_climate_proof/news/news	Improving the climate for the benefit of people, the environment, and the economy; that is the challenge confronted by the collective initiators; Port of Rotterdam, the City of Rotterdam, employers' organization Deltalinqs, and DCMR Environmental Protection Agency Rijnmond. The Rotterdam Climate Initiative creates a movement in which government, organizations, companies, knowledge institutes, and citizens collaborate to achieve a fifty per cent reduction of CO_2 emissions, adapt to climate change, and promote the economy in the Rotterdam region.	
Platform Cool Maastricht	ongoing	Maastricht	City of Maastricht	**2), 3)**			http://www.maastricht.nl/web/Home/Home/Media_m-tonenop/Oprichting-Platform-Cool-Maastricht.htm	In the platform, besides the Maastricht Alderman Hazeu, fourteen representatives joined from industry, business, education, social institutions and construction	
Heerlen Climate Embassy	ongoing	Heerlen	City of Heerlen	**1), 2), 3)**			http://www.rikki-erik.nl/heerlen/files/5.html ; www.energie.heerlen.nl	Internal ambassadors: colleagues who contribute to our targets from their field/profession. Occupants can become ambassadors with their contribution (house-renovation, solar panels, use of bike) A group of leading people from local industry, energy companies, schools who are shining examples for their line of work. They engage their colleagues and give and advice the city board on the progress. Website: Launch on 15.11 at Local Climate Conference -> information and round table meetings; overview/progress on municipal projects; overview of actions by stakeholders; tips, news; CO_2 monitoring data Posters: pictures in black & white of local people/ambassadors	

13-GB(Leicester)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/ quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
The Carbon Diet	electricity, gas, transport	3) citizens	online	daily life consumption	quantitative; **real**		English	free (need to register)		http://www.carbondiet.org/	for Ireland and UK kind of a social network (you can have friends and be a memebr of groups) if email entered: reminders to enter data every x weeks			
The Carbon Account	house, flights, vehicles	3) citizens	online	daily life consumption	quantitative; **real**	kg of CO_2 equivalents	English	free (need to register)	Torchbox (web development company)	http://www.thecarbonaccount.com	possiblity to make groups (so as to compare results…) (http://www.thecarbonaccount.com/group_info/) help to do meter-readings (http://www.thecarbonaccount.com/help/meters/) kind of a social network: you can have friends		http://www.thecarbonaccount.com/static/files/full_explanation.pdf	
iMeasure		3) citizens	online	daily life consumption	quantitative; **real**		English	free (need to register)	Oxford University's Environmental Change Institute part of the UK Energy Research Centre	http://www.imeasure.org.uk	imeasure is a tool for you to accurately monitor your home energy use and carbon emissions over time. It measures your energy use based on the energy meter readings you enter. Each time you enter your readings into imeasure you will be given immediate results on your household's carbon dioxide (CO2) and money spent. To help you know if your household's carbon emissions are high, low or typical you will see your per person results compared to others in imeasure. In your profile set-up options you can choose to compare yourself with people living in the same type of house and/or with the same number of people. How often do I need to enter my energy readings? We recommend taking readings on a weekly basis because as this will help make home energy management part of a routine. In addition, you are more likely to remember what you did in the last week compared to the last month that will have affected how much energy you have used, for example: did friends stay? Were you out a lot? Did you buy a new appliance? Etc. You will get more out of imeasure if taking weekly readings, as results will be closer to real time. However, imeasure works just fine if you want to update your profile periodically; for instance, every monthly. We will send you a weekly email reminder for your meter readings (unless you do not want to receive this email). The bonus of the email is that we will share quirky facts about the results of the imeasurer community & plug you into the latest climate change research, policy and energy saving tips. Carbon clubs can be created (you can compare your results with the others)			
REAP Petite (Resources and Energy Analysis Programme): the community footprint calculator	***transversal tool:*** heat and power, food, travel, shopping, activities, recycling and water use	**1) local governments** or **2) charity groups, communities** (members of a local group as well as a UK wide club, car sharing clubs...)	software	depending on the target group	? no access to the questionnaire	tonnes of CO_2 per capita (CO_2 emissions), ha per capita (ecological footprint), litres (direct water use)	English	to be purchased (demo copy)	Stockholm Environment Institute - University of York	http://www.resource-accounting.org.uk/reap-petite	REAP petite is a software tool developed by SEI-Y to help communities calculate their ecological or carbon footprint and test the effectiveness of a number of footprint reducing pledges. REAP petite calculates a community's footprint using data collected by questionnaire. Questionnaires can be distributed as paper documents for later collection or an internet survey could be set up to collect responses.		no	see York Green Streets Challenge

13-GB(Leicester)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/ quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Community Carbon Footprint Tool	You will need to know buildings' overall size in metres squared, whether offices have air conditioning, and what retail stores' area of business are.'	**1) public buildings**, **2) communities, businesses**	online	community	?	?	English	free but need to register	Green Communities membership network (initiative from the Energy Saving Trust)	http://www.energysavingtrust.org.uk/cafe/Green-Communities/Guidance-and-useful-tools/Community-Carbon-Footprint-Tool		detailed website giving information about how to organize the community	no	see Green Communities
Footprint Expert™	***transversal tool:*** materials emissions, road freight, rail freight, sea freight, air freight, retail Distribution Centre (RDC) activities, supermarket emissions, domestic refrigeration, cooking, carbon storage and end-of-life, crop emissions	**2) companies**	spreadsheet	organisations' activity	?	tonnes of CO_2 equivalents	English	need to apply for a license and training in Footprint Expert™ necessary	Carbon Trust Footprinting Company	http://www.footprintexpert.com/Pages/default.aspx	PAS 2050 (The Carbon Trust's Proposed Methodology for Completing a Lifecycle Assessment of Greenhouse Gas Emissions for Products and Services)		no	
Carbon Footprint™	***transversal tool:*** **home calculator:** housing, transport, food, consumption (goods, furniture, recycling…)	**2) companies** ('business calculator'), **3) citizens** ('home calculator')	online	**home calculator:** daily life consumption	qualitative (food) and quantitative; **real** (except from food sector)	tonnes of CO_2 equivalents (by sector of consumption), footprint (picture)	English, French, German, Spanish, Italian, Czech, Slovak, Polish, Hungarian, Russian	**home calculator:** free but more input if registration (mail address), **business calculator:** free but need to register (business details)	Carbon Footprint Ltd (Carbon Management Company)	http://www.carbonfootprint.com/calculator1.html	possibility to add the tool to a website		the tools follow the methodology outlined in DEFRA's Voluntary Reporting Guidelines' (Department for Environment Food and Rural Affairs)	
Footprinter	**standard version:** transport, utilities, process emissions	**2) enterprises**, **3) citizens**	online	depending on the target group	quantitative; **real**	tonnes of CO_2 equivalents	English	standard edition: free but registration needed (tested); standard+, enterprise and enterprise+: not free	Best Foot Forward	http://www.footprinter.com/	training courses; user guide: https://www.footprinter.com/media/foot/product/standard/User_Guide.pdf		no	
Bristol Green Capital Project: Carbon Calculator	energy, car, bus&rail, air travel	**2) small businesses** and **3) newcomers**	spreadsheet		quantitative; **real**	tonnes of CO_2 equivalents	English	free	Bristol Green Capital, the Bristol Partnership	http://www.bristolgreencapital.org/members-area/communicating-progress http://www.bristolgreencapital.org/sites/default/files/Carbon%20Calculator.xls	local initiative	simple tool	yes (spreadsheet)	
CO_2 emissions calculator	transport	**3) citizens**	online	journey	quantitative (just one figure to enter); **real**	kg of CO_2 equivalents (presentation for several ways of transportation)	English	free	Transport direct.info	http://www.transportdirect.info/web2/journeyplanning/journeyemissionscompare.aspx?repeatingloop=Y			no	

13-GB(Leicester)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/ quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
The carbon cutter	home, appliances, travel	3) citizens	online	daily life consumption	quantitative (mostly); **real**	tonnes of CO_2 equivalents per year	English, Welsh	free	Energy saving trust	http://www.energysavingtrust.org.uk/calculator/start		need to fill the sections one after the other (no possibility to select just one target field)		
Resurgence	home, transport, food, leisure, industry share	3) citizens	online	daily life consumption	quantitative; **real**	kg of CO_2 equivalents	English	free	Resurgence magazine	http://www.resurgence.org/education/carbon-calculator.html		results cannot be saved		

13-GB(Leicester)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Target group(s)	Field(s) covered	Access	Source	Summary	Link with a tool
Green Communities	ongoing	UK (Bradford on Avon, Cheshire, Davyhulme, Kingussie…)	Energy Saving Trust	3) citizens	depending on the community (community building, social enterprise, awareness activity…)	free	http://www.energysavingtrust.org.uk/cafe/Green-Communities	Aims to support, facilitate and promote community based energy projects; available: advice an support (phone, email), thematic training sessions ('Planning for success', 'Old or listed building'…), annual conference, funding advice, monthly bulletins, newsletter; types of projects: saving energy in the home, saving energy in a community building	see Community Carbon Footprint Tool
York Green Streets Challenge	ongoing (from June 5th 2009; 15-month campaign funded by the Without Walls Partnership Local Authority Delivery Fund)	York	the City of York Council, York Environment Partnership and the University of York's Stockholm Environment Institute	3) citizens	daily life consumption	free	http://greenstreets.climatetalk.org.uk/	York Green Streets Challenge is a year long campaign to encourage York neighbourhoods to cut their carbon emissions by 10% in 2010. 100 households will be participating in the project. Six teams have already signed up: three neighbourhood teams, two primary schools and one church team. The Green Streets Teams will work alongside mentors to reduce carbon emissions in travel, waste and consumption of goods. REAP Petite software tool is used.	see REAP Petite
Green Addict Bristol	ongoing	Bristol	Connecting Bristol (Bristol's Digital Partnership, part of Bristol City Council)	3) citizens	saving energy by using information and communication technology	free	http://www.greenaddict.eu/	The website was developed as a result of an innovative study to calculate the carbon footprint of business use of ICT in the city and to develop a Green ICT solutions database. It was shortlisted for the European ICT for Energy Efficiency Project Award.	
Low Carbon Diet	ongoing		Empowerment Institute	**1) local government agency**, **2) business**, 3) community		free	http://www.empowermentinstitute.net/lcd/	The Cool Community campaign engages local organizations across all sectors (including government, environmental organizations, businesses, neighbourhood associations, faith-based groups, service clubs and educational institutions) in a two-year campaign to engage up to 85% of the people in Low Carbon Diet's proven programme for household CO2-reduction. The goal of the initiative is to help community residents reduce their carbon-footprint 20% by 2012. The first communities to achieve this goal will also serve as prototypes for the many local authorities throughout the UK who are seeking effective climate change solutions.	http://www.empowermentinstitute.net/lcd/lcd_files/LCDcalcNet.html

14-PL(Bielsko-Biała)-TOOLS

Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Personal CO_2 emissions calculator	housing (energy use, equipment), transport (type of car and travel habits), food, consumption (daily life, clothing)	3) citizens	online	Individual	Quantitative	kg of CO_2 equivalents /year	English / Polish	free - online	Funded by the FIO (Foundation for Civil Initiatives)	http://ziemianarozdrozu.pl/kalkulator?lang=en		user friendly; not possible to save results	no	
CO_2 calculator	Carbon footprint - transport, office & events	1) 2) officials (office workers)	online	Individual	Quantitative	number of trees to neutralize CO_2 (offset) + kg of CO_2 equivalents + g of NO_x equivalents + g SO_2 equivalents	Polish	free for noncommercial online use, license for commercial use	Supported by the Office of Infrastructure of the City of Krakow-CIVITAS CARAVEL project	http://www.aeris.eko.org.pl/kalkulator/kalkulator.html		not precisely stated	no	

14-PL(Bielsko-Biała)-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Target group(s)	Field(s) covered	Access	Source	Summary	Link with a tool
Display® Campaign	ongoing	Bielsko-Biała	Energy Cities	2) schools	heating		http://www.display-europe.org/example276?PHPSESSID=kanepug2nnqisvarg3mgu402i7	Reduce heating costs	Display software
Information Booth at the regional exhibitions	*ongoing, periodically*	*Bielsko-Biała*	*Municipality of Bielsko-Biala*	*1) Local authorities/public servants; 2) Local stakeholders (businesses, schools, local associations...); 3) Citizens.*	*regional exhibitions, conferences, meetings etc.*	*free - during exposure*	*Municipality of Bielsko-Biala- Office of Energy Management http://www.pze.um.bielsko.pl/*		
EURONET 50/50 project	project	school in Bielsko-Biała	Polish Network Energy Cities	3) Citizens (pupils)	teachers, pupils, parents	-	PNEC http://www.pnec.org.pl/index.php?option=com_content&view=article&id=105:5050-europejska-sie-centrow-edukacyjnych-euronet-5050-&catid=5:projekty-obecnie-realizowane		
Development of the Laboratory of renewable energy sources	*ongoing*	*school in Bielsko-Biała*	*Municipality of Bielsko-Biala*	*3) Citizens (teachers, students)*	*teachers, students*	-	*Centre for Lifelong Learning http://www.bckuipbielsko.pl/*		
Tourist excursion on "Practical use of energy sources in Bielsko-Biała"	ongoing	Bielsko-Biała and its surroundings	Municipality of Bielsko-Biala	1) Local authorities/public servants; 2) Local stakeholders (businesses, schools, local associations...); 3) Citizens.	group of interest	fees	Travel Agency POLAN TRAVEL http://www.polan-travel.com.pl/content/wycieczki_kr/1d/1.html		
Office for energy consultation	*ongoing*	*Bielsko-Biała*	*Municipality of Bielsko-Biala*	*3) citizens*	*citizens of Bielsko - Biała*	*free*	*Municipality of Bielsko-Biala- Office of Energy Management http://www.pze.um.bielsko.pl/*		

Others-TOOLS

Country	Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
EU	**Display**	housing	**1) local authorities (public buildings)**, **2) private companies, schools**	online software	building consumption	quantitative; **real**	kWh/m²/year, kg of CO_2 equivalents/m²/year, l/m²/year (for water), percentages of nuclear, solar and fossile energy used	EU	fees	Energy Cities	http://www.display-europe.org	used by 10 of the 12 ENGAGE pioneer cities (Heidelberg and Växjö do not use Display)		http://www.display-campaign.org/doc/en/?page=rubrique&id_rubrique=783	activities in each city
International	**Carbon Neutral Company**	***transversal tool*** **My Carbon Footprint:** transport, household, commute; **Business calculator:** vehicles, business travel, commuting	**2) companies**, 3) citizens	online	daily life consumption	quantitative; **real**	tonnes of CO_2 equivalents	English	free	The Carbon Neutral Company	http://www.carbonneutralcalculator.com/		simple (few questions)	no	
International	**The Greenhouse Gas Protocol**	***transversal tools*** **cross sectors tools:** GHG emissions from stationary combustion, GHG emissions from purchased electricity, GHG emissions from transport or mobile sources, Measurement and Estimation Uncertainty of GHG Emissions, Allocation of Emissions from a Combined Heat and Power (CHP) Plant, Emission Factors from Cross-Sector Tools, GHG emissions from refrigeration and air-conditioning; **sector specific tools:** GHG emissions from the production of aluminum, CO_2 emissions from the production of cement (US EPA), CO_2 emissions from the production of iron and steel, CO_2 emissions from the production of lime, CO_2 emissions from the production of ammonia, CO_2 emissions from the production of cement (CSI), N_2O emissions from the production of nitric acid, HFC-23 emissions from the production of HCFC-22 2.0, GHG emissions from pulp and paper mills, N_2O emissions from the production of adipic acid	**2) industries and businesses**	spreadsheets	industries(activity	quantitative		English	free but need to register (mail address)	World Business Council for Sustainable Development (WBSCD) and World Resources Institute (WRI)	http://www.ghgprotocol.org/files/ghg-protocol-revised.pdf http://www.ghgprotocol.org/calculation-tools		based on the IPCC guidelines	
Austria	**CO2-Rechner**	***transversal tool:*** household, transport, food, housing	3) citizens	online	daily life consumption	more qualitative (food and buying habits, heating...) than quantitative; **estimated**	tonnes of CO_2 equivalents (by sector of consumption)	German	free	FORUM Umweltbildung (by request of the Federal Ministry of Agriculture, Environment and Water)	http://www.co2-rechner.at/cc/index.asp	comparison with different countries; suggestions in order to improve the result	interactive	no	

Others-TOOLS

Country	Name of the tool	Field(s) covered	Target group(s)	Support used	Target area(s)	Qualitative/quantitative information requested	Unit of measurement	Available language(s)	Free/licence	Developer & reference organisation	Source	Specificities	Comments	Calculation method available/Transparency	Link with an approach
Switzerland	**ECOPrivate**	***transversal tool:*** heating, housing, nutrition, mobility (private, public, air traffic), consumption, public services	3) citizens	online	daily life consumption	quantitative (most often) and qualitative (consumption habits); **estimated** for heating	Watt, Gigajoule per year, CO_2 emissions (comparison with the reference of the type household)	German, English, French, Italian	free	Operator / financier Institution: Ecospeed AG (climate software solutions), Federal Office of Energy	http://www.ecospeed.ch/ (products => ECOPrivate)	choice between several continents/countries	presentation as a graph or as a table; precise and easy to use; beginner and expert version	no	
US	**Safe Climate Carbon Footprint Calculator**	household, transport, home energy (possibility to choose from several countries - the 12 are available: The number of kilowatt-hours is multiplied by the pounds of carbon dioxide produced per kilowatt-hour to get total pounds of CO2. This factor is different for each state because power sources are different. Emissions factors used are from the US Department of Energy)	3) citizens	online	daily life consumption	quantitative; **real**	kg of CO_2 equivalent (percentage due to transportation and to energy)	English	free	World Resources Institute (think tank)	http://www.safeclimate.net/calculator/index.php		simple	http://www.safeclimate.net/calculator/ind_calc_how.php	
US	**Climate actions widget**	specific tips (telecommute once a week instead of driving, buy a more efficient car, buy compact florescents, turn off appliances in standby mode)	3) citizens	online	daily life consumption	quantitative; **real**	$; pounds of CO_2 equivalents	English	free	CoolCalifornia.org	www.coolcalifornia.org	This tool gives the annual savings in $ and CO_2 equivalent for 4 tips.		no	

Others-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
"Bet to win!" - the climate competition between municipalities and their citizens (ENERGY NEIGHBOURHOOD)	11/10/2007 - 10/04/2010	Bond Beter Leefmilieu Vlaanderen vzw, Belgium Energy Agency of Plovdiv (EAP), Bulgaria prioriterre, France Tipperary Energy Agency Ltd., Ireland Agenzia per L'Energia E Lo Sviluppop Sostenible, Italy Ecuba S.R.L., Italy Agencia Energètica de la Ribera, Spain Fundacion Comunidad Valenciana-Region Europea, Spain Energy Agency for Southeast Sweden (ESS), Sweden Severn Wye Energy Agency Limited (SWEA), United Kingdom	B.&S.U. Beratungs- und Service Gesellschaft Umwelt mbH, Germany	daily life energy consumption	**3) citizens**	free	http://www.energyneighbourhoods.eu http://ieea.erba.hu/ieea/fileshow.jsp?att_id=11343&place=pa&url=http://Energy%20Neighbourhood_Publishable%20Report.pdf&prid=1543	IEE project Based on the idea of the forerunner project: 'Klimaatwijken' (climate neighbourhoods), Energy Neighbourhoods transferred the successful project to the European level with the intention to bring the Kyoto Protocol closer to the people - into their living rooms and their communities. For this purpose different European municipalities offered their citizens a bet. Groups of private households or institutions formed so-called 'Energy Neighbourhoods' and tried to save as much energy as possible in the six months time of the bet. They were supported by volunteering 'Energy Masters' who were trained during the project and forwarded their knowledge to the households. Each Energy Neighbourhood that saves 8% or more energy in the given time were awarded by the municipality. The best European energy savers were invited to a European prize gala in Brussels. The project strived for increasing awareness and enthusiasm to save energy in households, the competition between the households and the bet with the cities stirred up the debate and the motivation of the participants.	see the Belgian experience see the French experience
Myblueplanet	ongoing (launched in 2006)		Myblueplanet (association), BluePowerTeams (Zürich, Zimmerberg, St.Gallen, Weinland, Winterthur, Aarau)	daily life consumption	**1) cities (BlueCity), 2) businesses (BlueOrganisations, BlueCompanies),** 3) citizens **(BluePeople)**	free (registration)	http://www.myblueplanet.ch	Social network where people/organisations/cities get involoved in energy savings thanks to their owns actions and participation to projects	
CATCH (Carbon Aware Travel Choice)	ongoing (30 months project, launched on August 1st 2009)	5 cities involved: Baia Mare (Romania), Lisbon (Portugal), London Borough of Hounslow (UK), Odense (Denmark) and Rotterdam (Netherlands)	consortium partners (9 European, 1 Brazilian, 1 Chinese); the Centre for Transport and Society is leading the grounding of the project	transport	**1) cities, 2) businesses,** 3) citizens		http://www.carbonaware.eu	the role of environmental information in influencing decisions Project with the ultimate aim to reduce the carbon dioxide emissions of the urban transport sector by encouraging carbon-friendly travel choices; Co-financed by the European Union under the 7th Framework Programme for Research which aims to develop and promote a trusted and credible open knowledge platform targeted primarily at decision-makers in cities but also citizens, businesses, planners. The platform will provide examples of good practice, information and tools to promote awareness, and a tool to personalise the possible travel-related CO2 reduction for the visitor to the site. CTS has explored how different presentation formats and measures of CO2 information affect perception and understanding of the environmental impact (http://www.carbonaware.eu/fileadmin/user_upload/Deliverables/CATCH_DEL_DOC_D1.1_20Behavioural_20Inception_20Report_orginal_V1.pdf).	
10:10	ongoing	UK, France, Netherlands, Norway, Portugal, Germany, Ireland, Ghana, New Zealand, USA	10:10 (initially UK campaign)	daily life consumption	**2) businesses, organisations and academic institutions,** 3) citizens	free (sign up)	http://www.1010global.org	An ambitious project to unite every sector of society behind one simple idea: cutting our emissions by 10% in 2010.' Participants pledge to cut their emissions by 10% in a year, starting in 2010. An emissions reporting tool is available (simple tool).	

Others-APPROACHES

Name of the method/approach	Status	Implementation place	Initiator	Field(s) covered	Target group(s)	Access	Source	Summary	Link with a tool
Anges gardiens	ongoing (launched in 2007)		NiceFuture (association based in Lausanne)	daily life consumption	3) citizens	free (registration)	http://www.angesgardiens.ch/	Social network where members receive 2 propositions of eco-gestures per month ('one for climate, one for solidarity') and can see the CO_2 emissions savings entailed by these actions.	
Défi écogeste 'Ménages pilotes'	finished (from May 2007 until May 2008)	Onex (CH)	City of Onex	daily life	3) citizens	free (selection of the candidates based on a questionnaire)	http://www.fedre.org/sites/default/files/Bilan_menages_%20pilotes_Onex.pdf	The project is in line with the participative stage of the *Agenda 21* of Onex. A team was set: a project manager, a team accompanying the 'ménages pilotes', an engineer registrating data. The 'menages pilotes' signed a charter and were given diverse equipments (low energy light bulbs...) and documents (eco-drive registration...). Then, they applied their commitments. A website was designed and used as a forum, place of information...	
EnergieEffort	ongoing (since Feb 2nd 2010)	Bienne (CH)	Energie Service Biel/Bienne and City of Bienne	daily life consumption	3) citizens	free (public call)	http://www.energieeffort.ch	Public forum for sustainable use of electricity, gas and water. Participants who get 'good results' have less expensive electricity bills. Local media are taking part in the project.	
tapestry	from Nov 2000 to Oct 2003	15 case study and 5 follower sites		Intermodal Transport, Mode Repositioning and Health & Environment			http://www.max-success.eu/tapestry/www.eu-tapestry.org/	campaigns solutions for transport; similar goals to CATCH; objective: improving the knowledge and understanding of how effective communication programmes or campaigns can be developed to support and encourage sustainable travel behaviour throughout Europe; established to tackle some of the problems caused by unrestrained use of the private car; examples: public transport promotion to school children (Rome), car free day (Nantes), education & training of public transport employees (Stuttgart), walking and cycling to school (Belfast and Dublin)	
e2democracy	ongoing	Bremen (DE), Mariazell (Austria), Bregenz (Austria), Pamplona (SP), Saragossa (SP)	the European Science Foundation (ESF), the Austrian Science Fund (FWF), the German Research Foundation (DFG) and the Spanish Ministry of Science and Innovation	daily life consumption	3) citizens		http://www.e2democracy.eu	In this project, the impact of electronic compared to traditional "offline" citizen participation exemplified by the participation of citizens in the field of climate change is investigated. The aim is to find out what the added value of electronic participation is compared to traditional participation and to show how sustainable participation as such is by regularly measuring the improvement achieved by participation by means of so-called CO_2 calculators during a period of two years.	
One Tonne Less	finished (from 29th of March 2007 to 31st December 2009)	Denmark	Ministry of Climate and Energy; Danish Energy Agency	pledges made about daily life consumption	3) citizens	free	http://ens.dk/da-DK/KlimaOgCO2/1tonmindre/Documents/One%20tonne%20less%20engelsk%20brochure.pdf	The declared goal of the One Tonne Less campaign is to reach the wider Danish public with knowledge and instructions on how to reduce their CO_2 emissions. In short, the campaign aims to motivate all Danes to engage in CO_2 and energy savings. The campaign is founded on four pillars: • **An internet-based CO_2 calculator which includes the possibility for making a climate pledge** • A great number of specific instructions on how individuals can reduce their everyday CO_2 emissions • Local activities by campaign partners • The conspicuous, giant globe, illustrating the size of one tonne of CO_2, which serves as the campaign's trademark on its continuing tour across the country The campaign encourages Danes to make a climate pledge to save the climate from a least one tonne of CO_2 annually. The campaign also promotes knowledge and concrete instructions on how to accomplish this. At the end of 2008, the campaign had received 76,000 climate pledges, corresponding to more than 100,000 tonnes of CO_2 saved.	
Urban EcoMap							http://ams.urbanecomap.org/?locale=en_US#/act		
		San Marcos & Sacramento Municipal Utility District, California, US					http://www.cbsm.com/cases/using+social+norms+to+reduce+household+energy+consumption_170	Researches about consumers behaviour	