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State of the Art of Environmental Sustainability in Professional Practice

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Edited by

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To the memory of Prof. Giorgio Peguiron,
University of Rome La Sapienza,
for his lifelong contribution and dedication to
the teaching, research and practice of
Environmental Design

Disclaimer

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This publication has been prepared with the primary aim of providing general information about the activities of the EDUCATE Action and is not intended to constitute specific advice in relation to any particular requirement. Although every reasonable effort has been made to ensure that the information and material herein presented was accurate at the time of publication, it can be subject to variation at any time without notice and no warranty whatsoever is given that any information or material provided will be accurate or complete at any particular time or at all.

The appraisal of the state of the art of environmental sustainability in professional practice has been conducted principally via surveys addressed to selected architectural firms and building practitioners via the EDUCATE website. The information collected has been analysed by the Action Consortium to derive anonymous statistics which have been consolidated to build a picture of environmental awareness, knowledge and requirements within the practice of architecture in the various countries analysed.

Whereas direct feedback has been given by the professionals contacted, the Action Consortium has made any possible effort to safeguard the confidentiality of all the information received. Individual identities of respondents have not been - and will not be - revealed to any third party and none of the personal comments has been made recognisable or traceable to the author in any of the published material. If you believe that any information or material herein published is inaccurate, incomplete or is not treated according to the above conditions, please let us know and we will correct or delete it, where we agree, as soon as it is reasonably practical.

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European Countries: *Belgium, Bulgaria, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Portugal, Romania, Spain, United Kingdom*

Extra-European Countries: *Australia, Canada, Latin America, Singapore, Switzerland, United States of America*

Introduction – The EDUCATE Action

The EDUCATE (*Environmental Design in University Curricula and Architectural Training in Europe*) Action is funded by the European Commission - Energy Agency for Competitiveness and Innovation (EACI) - under the "Intelligent Energy Europe" 2008 Programme (Contract n. IEE/08/635/SI2.528419).

EDUCATE is built on a consortium of seven European academic partners: the University of Nottingham (UNOTT, UK; Coordinator); the Architectural Association School of Architecture (AA, UK); the Catholic University of Louvain (UCL, Belgium); the Technical University of Munich (TUM, Germany); the Department ITACA, University of Rome La Sapienza (ITACA, Italy); the Seminar of Architecture and Environment S.C. (SAMA, Spain); and the Budapest University of Technology and Economics (BME, Hungary).

The Action started in June 2009 and is supported by the Chambers of Architects in the six participating countries (United Kingdom, Belgium, Germany, Italy, Spain, Hungary), by building professionals internationally renowned in the field of sustainable architecture, by experts of cognate disciplines (e.g. education, engineering, information technology, ecology, etc.) and by associations of educators and practitioners, which - throughout the 36 months of duration of the Action - will assist the Consortium in fostering the integration of sustainable environmental design in architectural education and practice and propose the harmonisation of academic curricula, as well as of the criteria for accreditation and professional qualification, across European Member States.

The mission of EDUCATE is to "*foster knowledge and skills in sustainable environmental design aiming to achieve comfort, delight, well-being and energy efficiency in new and existing buildings. This will be promoted and demonstrated within a culturally, economically and socially viable design process, at all stages of architectural education*" (EDUCATE Kick-off meeting, 7th July 2009).

To these aims, EDUCATE is set to achieve the following objectives:

- Remove existing pedagogical barriers to the integration of principles of sustainable environmental design within a creative architectural discourse;
- Propose, implement and disseminate a curriculum and pedagogical framework which bridges current divides between sustainability-related technical information and the design studio at different levels and stages of architectural education to meet current professional demands and expectations;
- Develop an intelligent Portal on sustainable environmental design and energy efficiency in architecture that facilitates such integration in higher education and supports Continuing Professional Development for building practitioners;
- Promote and disseminate environmental know-how and exempla of best practice amongst students, educators, building professionals and the public, towards change of behaviour and expectations;
- In collaboration with European Chambers of Architects, propose the harmonisation of the criteria for accreditation of university curricula fostering the implementation of environmental design in higher education, and recommend a new set of European-wide registration requirements establishing the level of knowledge, understanding and skill in terms of environmental awareness and energy efficiency that practitioners must acquire in the process of qualifying as architects.

EDUCATE is set to have significant impacts, in the short as in long term, on the sustainability of the built environment and the successful application of European regulations such as the Directive on Energy Performance of Buildings, the Action Plan on Energy Efficiency and the Energy Policy for Europe. These impacts could be measured, amongst other indicators, by significant advances in:

- Integrated learning outcomes of students and building professionals on sustainable environmental design and energy efficiency in architecture;
- Increase of environmental awareness and energy-efficient building practices and change of behaviour by the general public (e.g. homeowners);
- Number of academic institutions and professional bodies signing up to the proposed pedagogical method, course structure and accreditation and qualification criteria;
- Achievement of targeted environmental objectives in Europe.

Further information on the EDUCATE Action - together with downloadable documents, news and an overview of current and future activities - is available on www.educate-sustainability.eu

State of the Art of Environmental Sustainability in Professional Practice

The appraisal of the state of the art of environmental sustainability in professional practice has constituted one of the subtasks of Work Package 2 - the first stage of development of the EDUCATE Action - so as to build a comprehensive picture of environmental awareness, knowledge and requirements amongst architectural firms and building practitioners in Europe and in selected extra-European countries.

This task has been performed through on-line electronic surveys specifically developed by the Action Consortium and distributed to building professionals via the EDUCATE website, in order to ascertain the existing state of play in terms of ability-base, needs and demands, and collect feedback by practitioners of the built environment concerning the implementation of sustainable design in the practice of architecture.

To conduct the surveys, partners have exploited existing links with professional associations in the various countries analysed and have been supported by local Chambers of Architects.

The survey was divided in three main sections:

    A. Sustainable environmental design in the architectural curriculum;

    B. Sustainable environmental design in education and professional development;

    C. Sustainable environmental design in regulation and clients requirements.

Each section was structured in six subsections in which building professionals were either proposed a series of statements to which they had to express their opinion (i.e., Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree or Not Applicable) or were asked to indicate and rate priorities with reference to their experience and/or individual approach to design. A further section:

    D. Personal Feedback

gave to respondents the possibility to indicate - in the form of free text - existing barriers and opportunities to the effective implementation of sustainable environmental design in the practice of architecture and to express any further comment with regards to this issue.

Following the geographic distribution of the academic institutions composing the EDUCATE Consortium, each partner has been assigned specific contexts to investigate. Specifically:

- The University of Nottingham has looked at the professional state of the art in United Kingdom (in collaboration with the Architectural Association School of Architecture and the Royal Institute of British Architects), Ireland, Switzerland, the United States of America, Canada, Australia, Singapore and Latin American countries (Mexico, Chile and Brazil);

- The Catholic University of Louvain (assisted by the Conseil National de l'Ordre des Architectes de Belgique) has analysed the state of play in Belgium, France and the Netherlands;

- The Technical University of Munich (supported by the Bayerische Architektenkammer) has looked into professional practice in Germany;

- The Department ITACA, University of Rome La Sapienza (with assistance from the Ordine degli Architetti, Pianificatori, Paesaggisti e Conservatori di Roma e Provincia) has consolidated results of the surveys in Italy and Greece;

- The Seminar of Architecture and Environment, SAMA S.C. (in collaboration with the Consejo Superior de Colegios de Arquitectos de España) has analysed building practices and requirements in Spain, Portugal and Denmark;

- The Budapest University of Technology and Economics (in cooperation with the Magyar Építész Kamara) has explored the professional state of play in Hungary, Bulgaria and Romania.

In addition, each partner has exploited their contacts to distribute the survey to professionals in other European and extra-European countries (e.g., Austria, Croatia, Cyprus, Latvia, Lithuania, South Africa, Sweden), where, however, the number of responses correctly submitted was too limited to define a statistically significant picture of current assets and requirements.

The completion of this analysis has lead to the consolidation of the existing state of the art with respect to the awareness, knowledge and ability-base regarding the implementation of environmental sustainability in the architectural profession, so as to verify whether current practices consistently respond to the demand of enhancing energy efficiency in buildings and contributing towards a sustainable built environment. The task has also lead to a systematisation of the barriers and opportunities for the successful embracement of sustainable design, whilst also prioritising market demands in European and non-European countries.

A total of 370 surveys has been correctly submitted and analysed by the Action Consortium, basing on the following distribution per country:

NUMBER OF RESPONSES PER COUNTRY

Country	No.
Australia	32
Austria	1
Belgium*	30
Brazil	5
Bulgaria	3
Canada	12
Chile	2
Croatia	2
Cyprus	1
Denmark	3
France	36
French Polynesia	1
Germany*	24
Greece	5
Hungary*	30
Ireland	8
Italy*	38
Latvia	1
Lithuania	1
Mauritania	1
Mexico	3
Netherlands	3
Portugal	3
Romania	3
Singapore	10
South Africa	1
Spain*	53
Sweden	1
Switzerland	12
United Kingdom*	33
United States of America	12
Total Surveys	**370**

(*partner country)

Specific responses to each of the sections and subsections are herein summarised and commented on, followed by the presentation of the consolidated results per each of the contexts analysed by the Action Consortium, in Europe and across selected non-European countries.

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

Section A of the survey was developed to: ascertain the role of environmental sustainability in the approach of building practices to architectural design; rate the priorities given by practitioners to different areas and topics of sustainable environmental design within their work; evaluate the importance given to sustainable principles and strategies at different stages of the design process; appraise the main sources of information on environmental sustainability for actors of the building market; and, determine the level of confidence of professionals to different institutions in providing expert training on sustainable environmental design.

A1. *Sustainable Environmental Design represents a core part of the design approach of your practice*
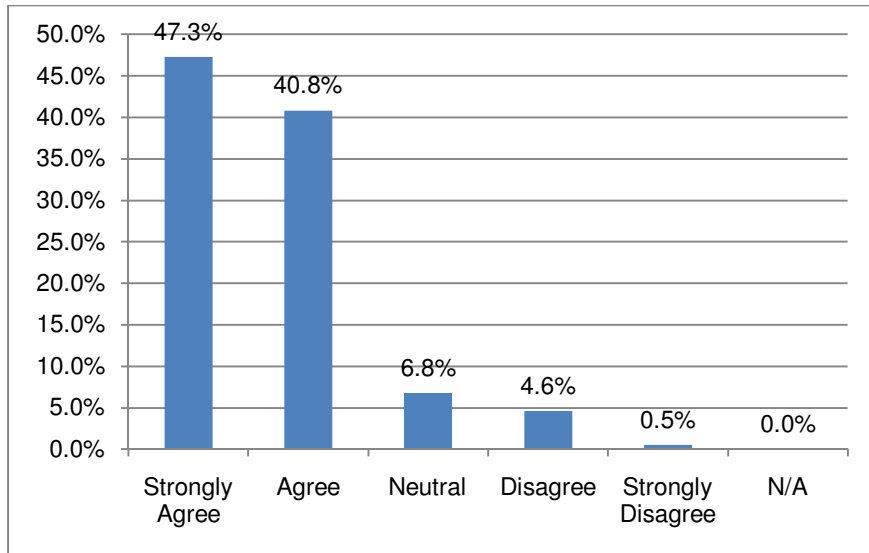
The greatest majority of respondents (88.1 %) indicated sustainable environmental design as representing a core part of their approach to architectural practice. Only the 5.1% of interviewees (4.6% "Disagree" and 0.5% "Strongly Disagree") did not give to environmental sustainability a relevant role in their professional ethos and design methodology.

A2. *Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice*
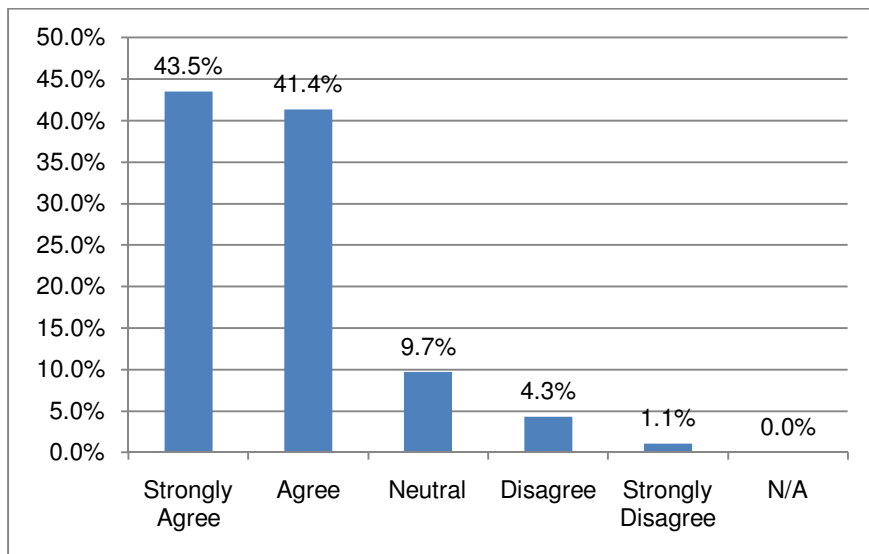
The 84.9% of surveyed practitioners stated that sustainable design can effectively provide a creative input and inspiration to the architectural design that their practices produce. Only the 5.4% of respondents disagreed with this statement, while 9.7% maintained a neutral approach.

A3. *The following areas represent a main priority in the designs that your practice produces:*
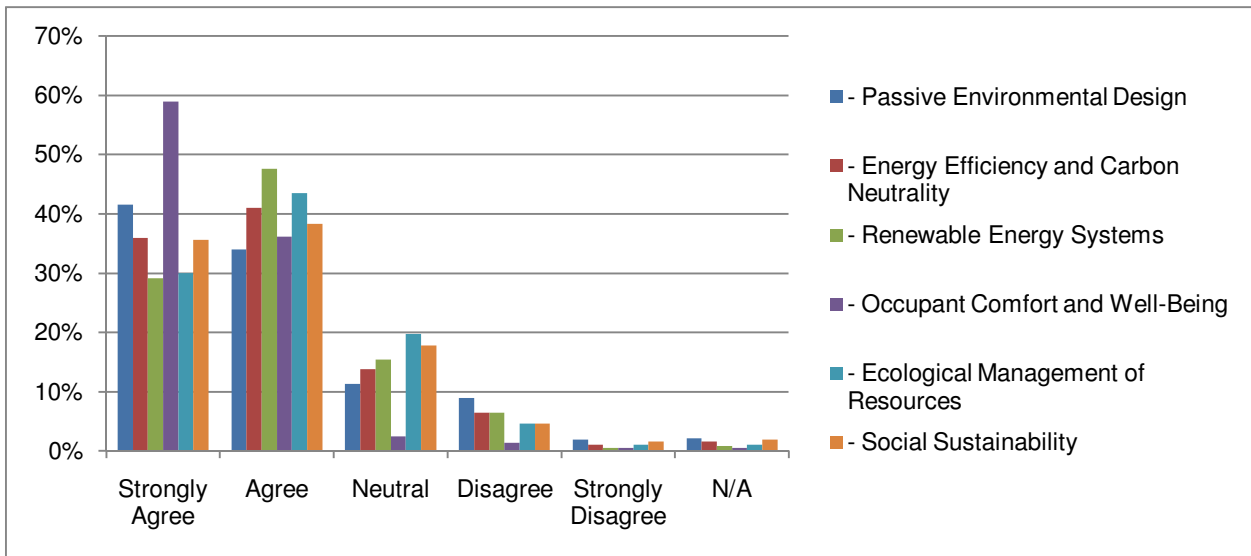
Amongst the different areas inherent to an environmentally sustainable approach to design, it is significant to note that 95.1% of respondents agreed or strongly agreed to indicate "Occupant Comfort and Well-Being" as the main priority and objective in the designs they produce. Other suggested areas - i.e., "Passive Environmental Design", "Energy Efficiency and Carbon Neutrality", "Renewable Energy Systems", "Ecological Management of Resources" and "Social Sustainability" - constitute a major objective for a percentage of practitioners consistently comprised between 73.5% and 77%. With the exception of the category of "Occupant comfort", a steady percentage of around 15% declared a neutral approach to each proposed area, whilst it is noteworthy that 10.8% of surveyed professionals either disagreed or strongly disagreed that "Passive Environmental Design" represents a priority in their architectural work (slightly lower disagreement, 7.6% and 7% respectively, is recorded for "Energy Efficiency" and "Renewable Energy").

A4. *Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:*
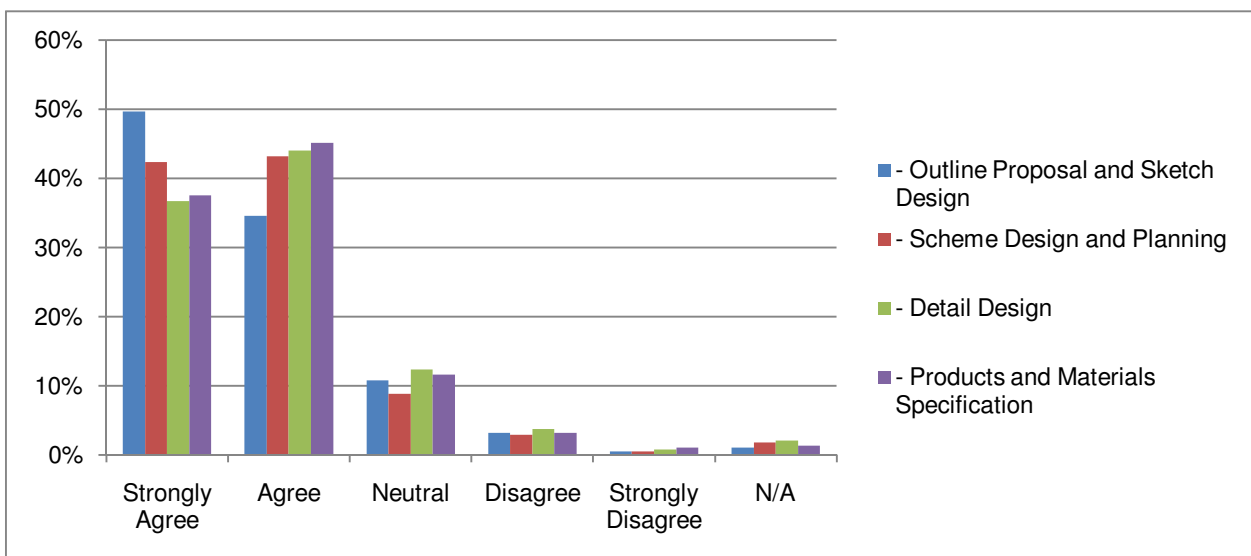
Results related to the application of sustainable principles and strategies at the different stages of the design process are substantially consistent, with all the four stages proposed receiving a consolidated response of "Strongly agree" or "Agree" in the 80-85% of the surveys collected. In average, only 3% of responses disagreed to include consideration of environmental sustainability throughout the design progression.

A5. *As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:*
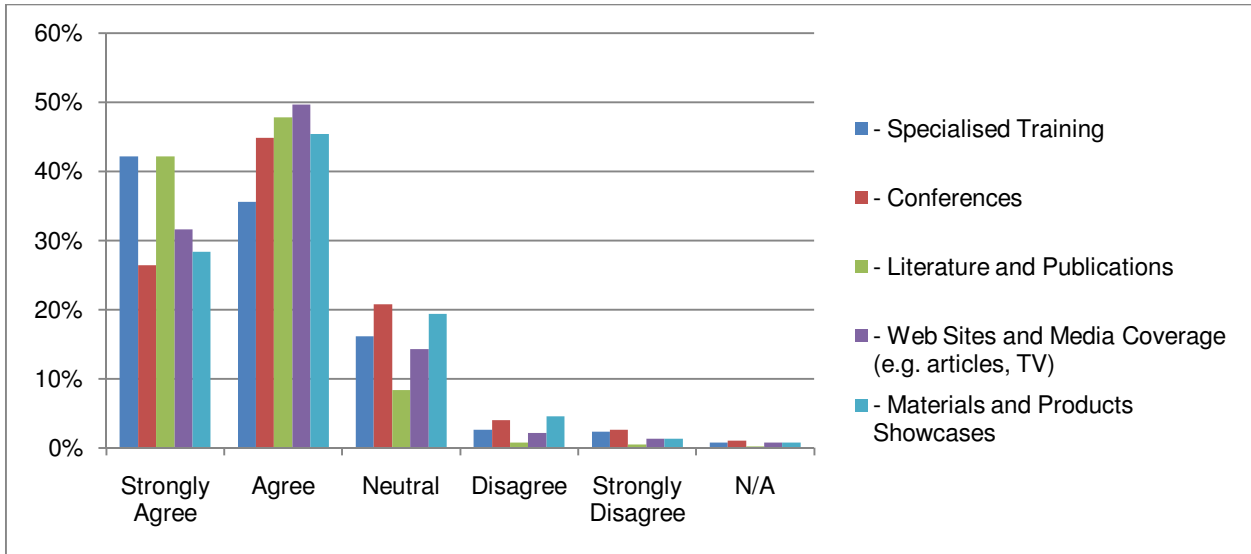
According to the results of the survey, a major source of information for building professionals is constituted by "Literature and Publications" (90% of responses either agreeing or strongly agreeing), followed by "Web Sites and Media Coverage" (81.3% of responses). The other suggested sources of information are considered to be useful for practitioners of the building market in around 75% of the cases. It is significant to note that for 6.8% of respondents, "Conferences" are not at all useful to keep practices informed, as well as "Materials and Products Showcases" (6.0% of disagreement).

A6. *The following are adequately equipped to provide expert training on Sustainable Environmental Design:*
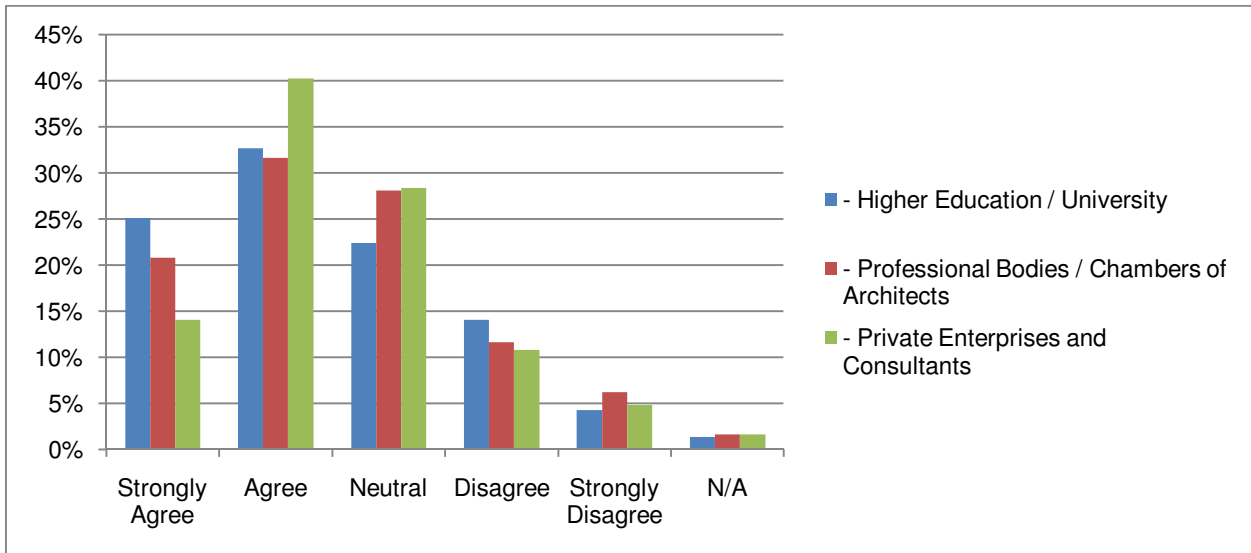
These results reveal a certain lack of confidence by building practitioners with respect to educational and professional institutions in providing expert training on sustainable environmental design. Higher Education institutions and Universities are indeed considered as the most reliable source of training for a consolidated 57.8% of respondents, followed by Private Enterprises/Consultants (54.4% of responses agreeing or strongly agreeing) and by Professional Bodies (52.4%). Conversely, a percentage of 15.7% and 18.4% declared their mistrust in the capacity of, respectively, Private Enterprises and Universities to provide professional training. A consistent percentage of around 28% of interviewees is neutral with respect to both Professional Bodies and Private Consultants (neutral responses are 22.4% for Higher Education institutions).

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

Section B of the survey aimed to: appraise the awareness of the importance of sustainable environmental design amongst architects in different countries; evaluate the level of technical skills requested of graduates when entering professional practice; estimate the point of view of practitioners in terms of the need to consistently include environmental sustainability within the architectural curriculum and whether specific competence should be requested for professional qualification; ascertain the demand for professional bodies to organise continuing professional development activities in the field of sustainable environmental design; and, rate the priorities in different areas that should be covered by such professional programs.

B1. *Architects in your country are conscious about the importance of Sustainable Environmental Design*
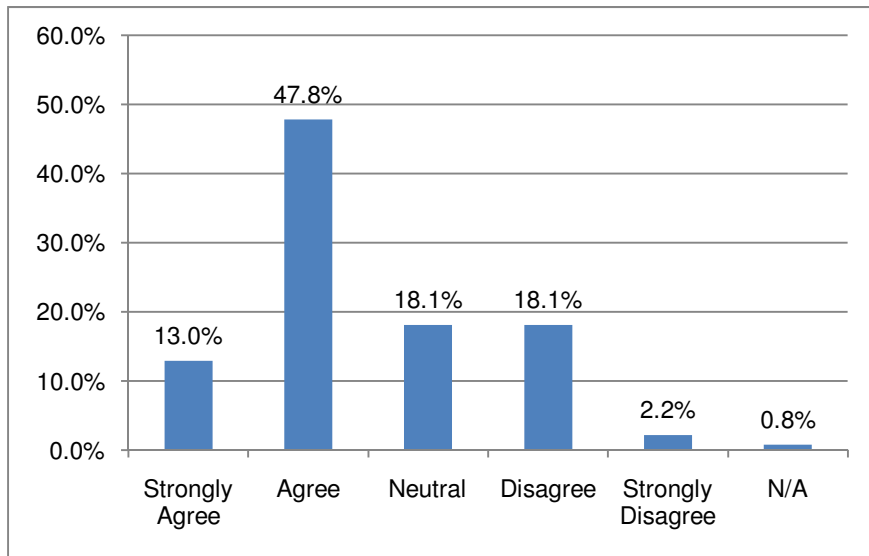
A significant percentage of respondents, 60.8%, agreed or strongly agreed that actors of the professional market in their country are indeed conscious about the importance of a sustainable approach to design. Conversely, 36.2% of responses disagreed with such statement. However, there are significant differences amongst the countries analysed and detailed results can be found in the final section of this report.

B2. *When employing architects/graduates your practice requires skills in Sustainable Environmental Design*
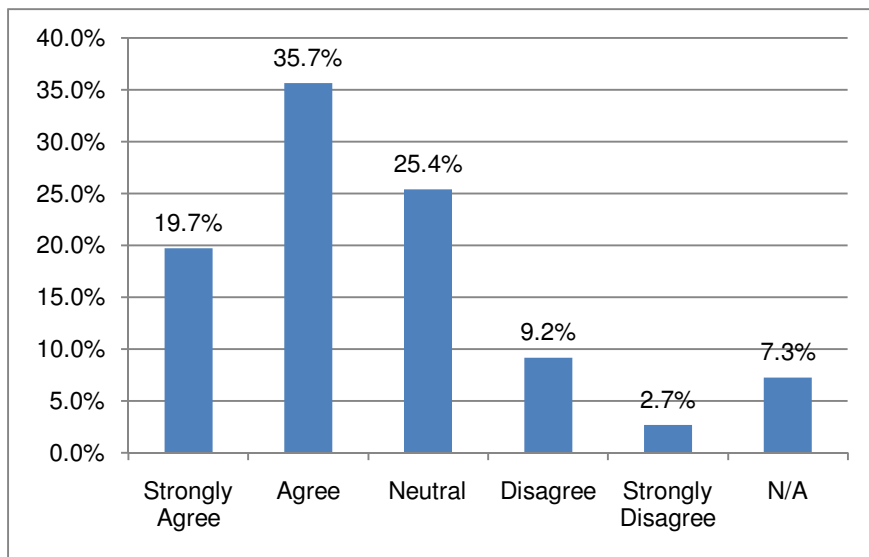
For more than half of the responses (55.4%), skills in sustainable design are needed to enter the profession, though 11.9% of the practices declared to not requiring particular skills in this field to their young employees, whilst 25.4% kept a neutral approach. Notably, 7.3% of the professionals preferred to not respond.

B3. *Sustainable Environmental Design should be included in the curricula of architectural education*
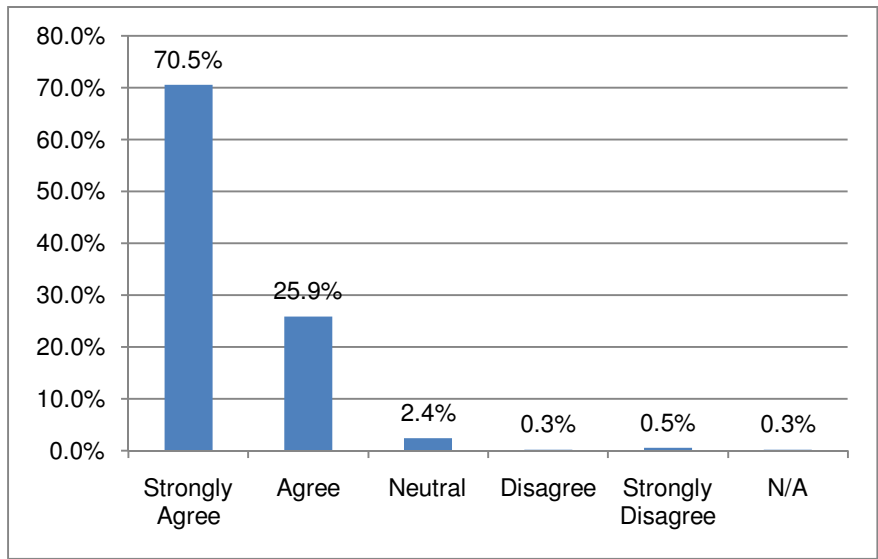
A consistent and very significant 96.4% of the building practitioners who completed the EDUCATE survey agreed (25.9%) or strongly agreed (70.5%) that sustainable environmental design should be consistently implemented in higher education curricula to prepare graduates for architectural practice. Only 2.4% of the respondents maintained a neutral approach, whilst a negligible percentage of practitioners (0.8%) participating in this analysis disagreed with this requirement.

B4. *Competence in Sustainable Environmental Design should be required for professional registration*
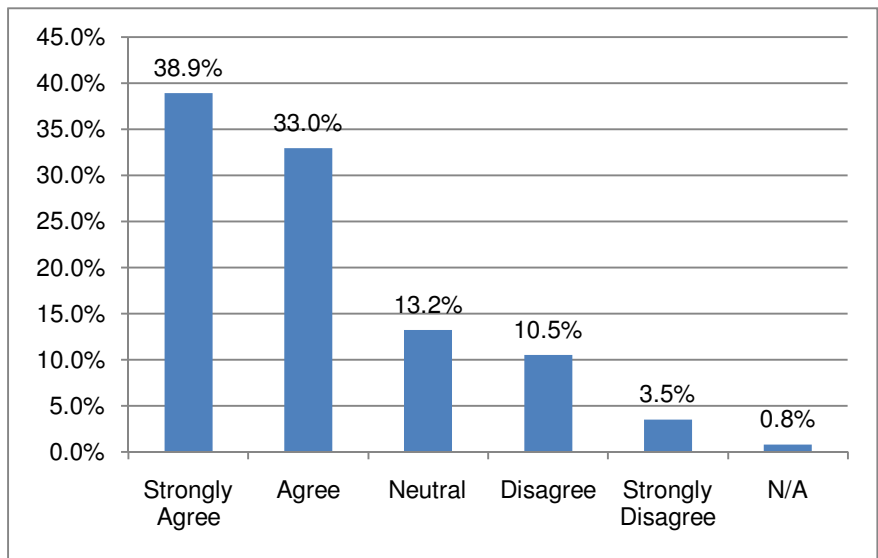
For 71.9% of respondents, sustainable environmental design should represent a compulsory requirement for professional registration as architects or building professionals. Conversely, a consolidated 14% of the surveyed practitioners disagreed (10.5%) or strongly disagreed (3.5%) that knowledge and awareness of environmental sustainability should constitute a mandatory requirement to access the professional market of architectural design, whilst 13.2% or respondents maintained a neutral approach.

B5. *Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design*
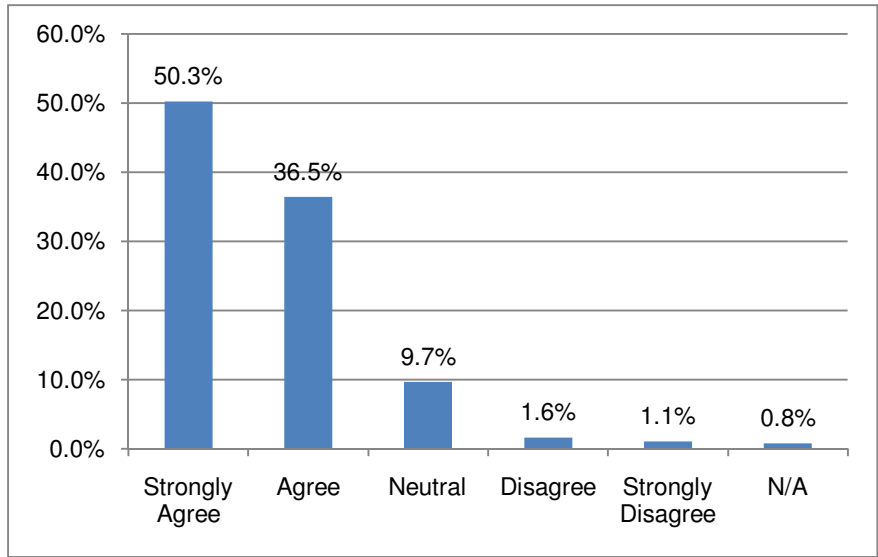
As in point B.3, a consistent and significant 86.8% of respondents agreed (36.5%) or strongly agreed (50.3%) that Chambers of Architects (or other professional bodies) should organise continuing professional development (CPD) courses in sustainable environmental design. 9.7% of responses were neutral with respect to the organisation of such activities, whilst only the 2.7% disagreed with this demand.

B6. *According to the experience in your practice, more information is required by architects in these areas:*
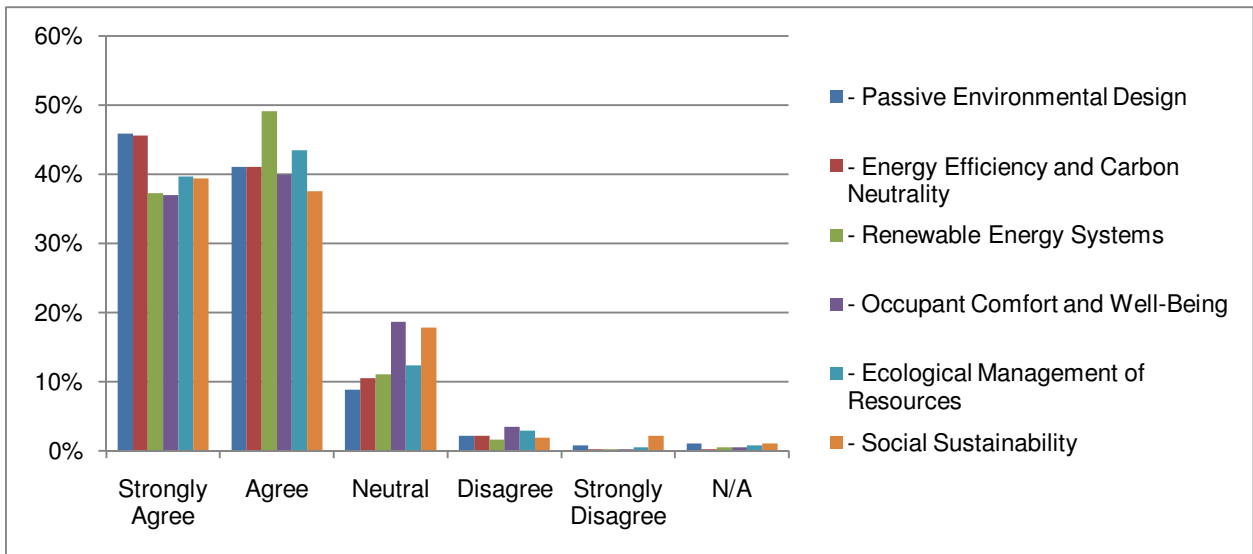
Amongst the information required by architects and building practitioners in the field of sustainable environmental design, all proposed areas scored in the region of 80% of consolidated agreement. Specifically, a major priority was assigned to "Passive Environmental Design" (87%), "Energy Efficiency and Carbon Neutrality" (86.8%), "Renewable Energy Systems" (86.5%) and "Ecological Management of Resources" (83.2%). A slightly lower concern was given to "Social Sustainability" (77.1%) and "Occupant Comfort and Well-Being" (77%). Conversely, request for information in these two areas was considered as neutral by around 18% of respondents. If these results are compared with those obtained in point A.3 of this report, it may be stated that "Occupant Comfort and Well-Being" already represents a main priority within the approach of 95.1% of surveyed practices, therefore it may be concluded that further information is not strictly required by building practitioners. On the other hand, the request for more information on passive environmental design and energy efficiency is consistent with a significant number of professionals disagreeing with these areas representing already a main priority in their current approach to design.

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

Section C of the survey was developed to: ascertain whether regulations in investigated countries support the implementation of environmental sustainability in architectural design; evaluate the role of different institutions and key actors in promoting sustainable practices in building construction; ascertain the position and approach of public and private clients with respect to sustainable development; evaluate the priorities of clients in the formulation of their briefs and requirements; and, weigh up the influence of different forms of communication in disseminating principles of sustainable environmental design to the general public.

C1. *Regulations in your country adequately support Sustainable Environmental Design in practice*
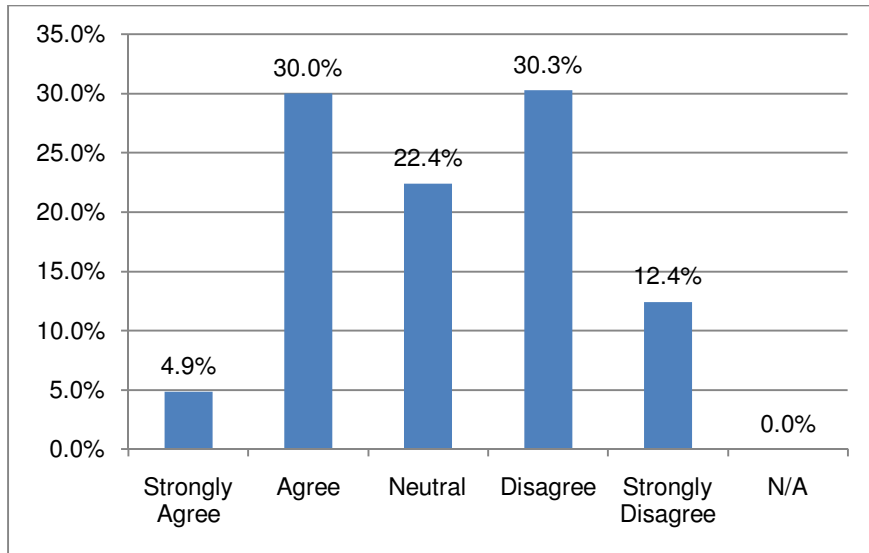
It is significant to note that 42.7% of the respondents stated that current regulations in their country do not support the implementation of environmental sustainability in the practice of design, although only a slightly lower consolidated percentage (34.9%) either agreed (30%) or strongly agreed (4.9%) with such statement. It is likely that these apparently contradictory results derive from significant differences recorded amongst the various countries analysed, whose detailed outcomes can be found in the final section of this report.

C2. *The following can support the implementation of Sustainable Environmental Design in practice:*
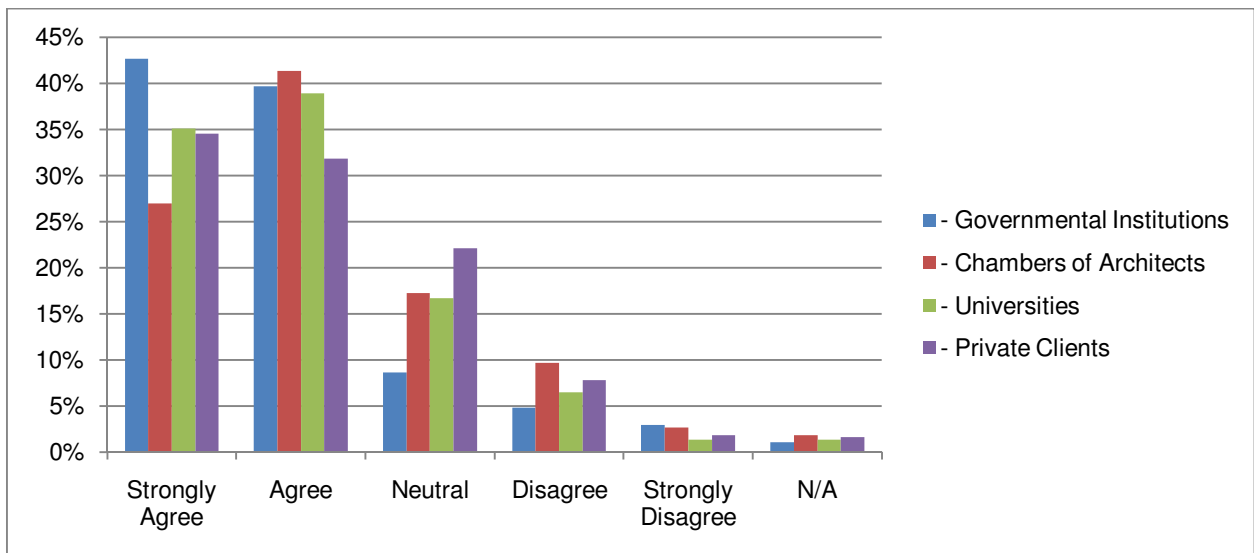
The greatest majority of respondents (82.4%) agreed or strongly agreed that Governmental Institutions have the power to support sustainable design, while lower confidence is given to Universities (74%), Chambers of Architects (68.4%) and Private Clients (66.5%). Significantly, 12.4% of practitioners disagreed (or strongly disagreed) that professional bodies can play a significant role in supporting sustainability in design practice.

C3. *Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations*
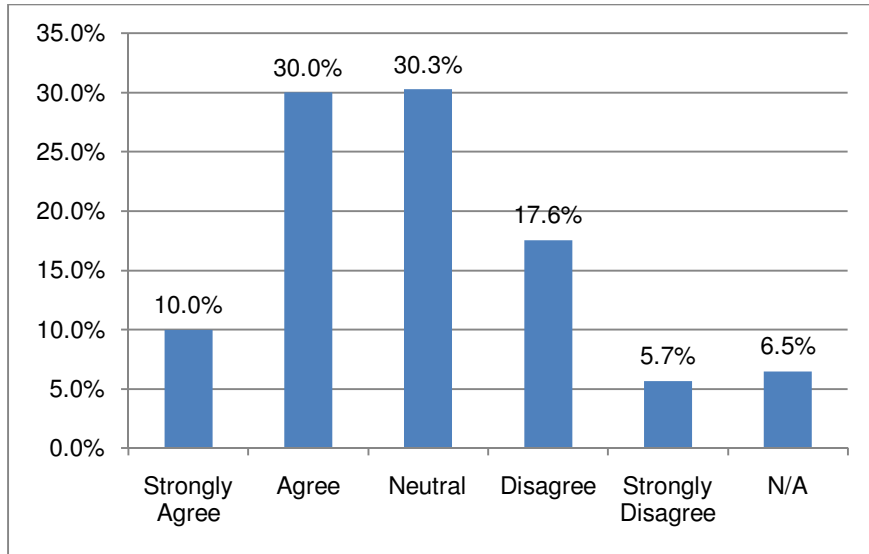
An overall 40% of respondents agreed that public clients effectively consider environmentally sustainable design solutions as an opportunity beyond the mere meeting of regulations, although 30.3% of the practitioners surveyed maintained a neutral approach. Nevertheless, 23.3% of the responses disagreed or strongly disagreed with such statement. A statistically significant percentage of responses (6.5%) were recorded as "Not Applicable" indicating either that professionals responding to the survey do not deal directly with public clients or rather that it is difficult to generalise on their specific approach to this issue.

C4. *Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations*
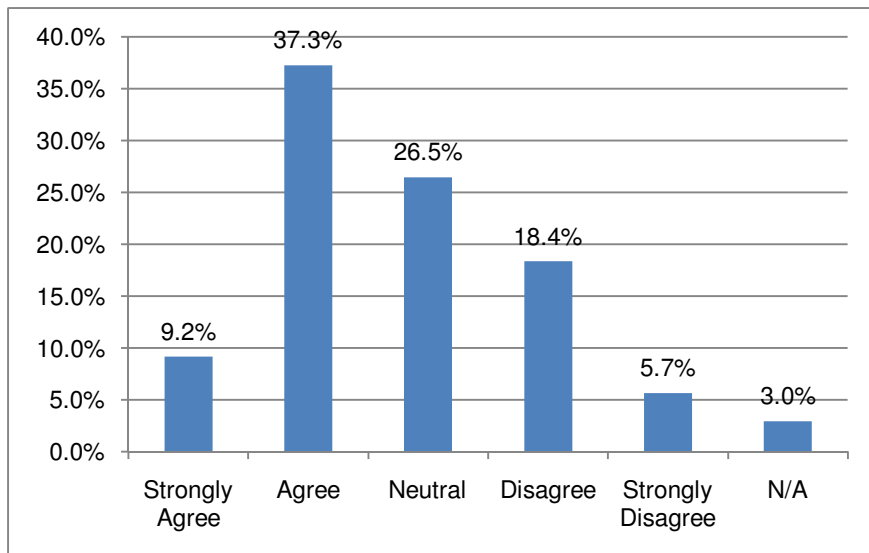
Results with respect to the level of environmental awareness and opportunity expressed by private clients are rather similar to the previous point C3, although in this case 46.5% of respondents agreed or strongly agreed to the proposed statement and only a lower percentage, 26.5%, preferred to maintain a neutral position. A percentage similar to that recorded for public clients (a consolidated 24.1% compared to 23.3%) expressed disagreement in the consideration given by private clients to environmental sustainability as a creative opportunity for design solutions that can go beyond simply responding to regulatory requirements.

C5. *The following objectives are important for your clients in the formulation of their briefs and requirements:*
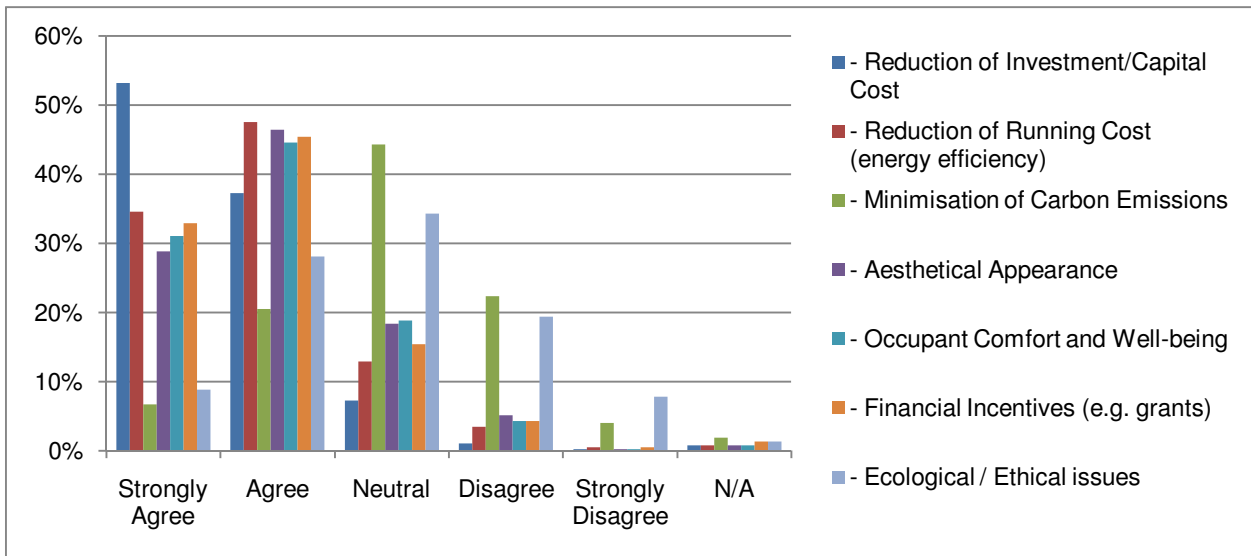
Unsurprisingly, 90.5% of the responses confirmed that the man priority for clients in the formulation of their briefs and requests is represented by "Reduction of Investment and Capital Cost" followed by "Reduction of Running Cost" (82.2%). However, this later results is not strictly dictated by environmental awareness, since "Minimisation of Carbon Emission" and "Ecological and Ethical Issues" represent a priority only for 27.3% and 37% of clients respectively. Other areas constitute significant objectives for around 75% of the clients within the responses collected. It is significant to note that roughly 27% of practitioners disagreed or strongly disagreed that minimisation of emissions and ecological issues represent a concern for their clients.

C6. *The general public could be better informed on Sustainable Environmental Design via the following:*
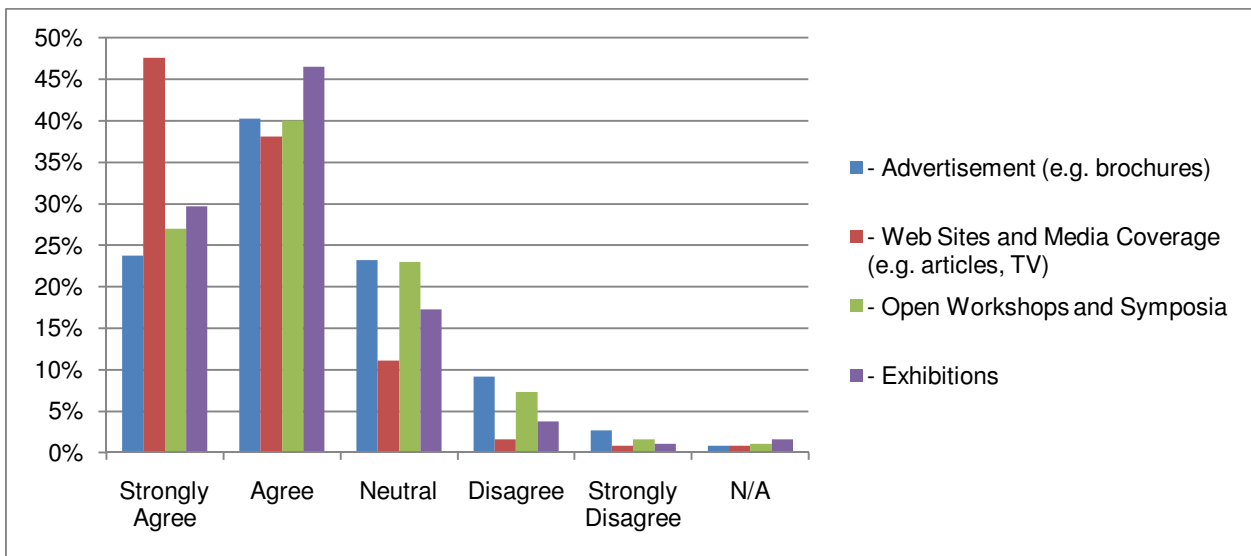
According to a consolidated 85.1% of the surveyed building professionals, the most efficient method to disseminate information on sustainable environmental design to the general public is via "Web Sites and Media Coverage" followed by "Exhibitions" (76.2%). "Workshops and Symposia" and "Advertisement" can represent effective methods of dissemination only according to around 65% of respondents, although 11.9% of practitioners either disagreed or strongly disagreed that brochures and other forms of publication are effective in communicating technical knowledge and environmental awareness to the general public. Finally, 8.9% of surveyed professionals expressed a negative opinion about open events.

Consolidated Results of Surveys

Consolidated Results of Surveys for Building Professionals

NUMBER OF COUNTRIES	32
NUMBER OF SURVEYS ANALYSED	370
NUMBER OF SURVEYS PER ROLE	
Junior Architect	45
Architectural Assistant	12
Architect	134
Senior Architect	109
Other	70

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	47.3%	40.8%	6.8%	4.6%	0.5%	0.0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	43.5%	41.4%	9.7%	4.3%	1.1%	0.0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	41.6%	34.1%	11.4%	8.9%	1.9%	2.2%
	- Energy Efficiency and Carbon Neutrality	35.9%	41.1%	13.8%	6.5%	1.1%	1.6%
	- Renewable Energy Systems	29.2%	47.6%	15.4%	6.5%	0.5%	0.8%
	- Occupant Comfort and Well-Being	58.9%	36.2%	2.4%	1.4%	0.5%	0.5%
	- Ecological Management of Resources	30.0%	43.5%	19.7%	4.6%	1.1%	1.1%
	- Social Sustainability	35.7%	38.4%	17.8%	4.6%	1.6%	1.9%
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	49.7%	34.6%	10.8%	3.2%	0.5%	1.1%
	- Scheme Design and Planning	42.4%	43.2%	8.9%	3.0%	0.5%	1.9%
	- Detail Design	36.8%	44.1%	12.4%	3.8%	0.8%	2.2%
	- Products and Materials Specification	37.6%	45.1%	11.6%	3.2%	1.1%	1.4%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	42.2%	35.7%	16.2%	2.7%	2.4%	0.8%
	- Conferences	26.5%	44.9%	20.8%	4.1%	2.7%	1.1%
	- Literature and Publications	42.2%	47.8%	8.4%	0.8%	0.5%	0.3%
	- Web Sites and Media Coverage (e.g. articles, TV)	31.6%	49.7%	14.3%	2.2%	1.4%	0.8%
	- Materials and Products Showcases	28.4%	45.4%	19.5%	4.6%	1.4%	0.8%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	25.1%	32.7%	22.4%	14.1%	4.3%	1.4%
	- Professional Bodies / Chambers of Architects	20.8%	31.6%	28.1%	11.6%	6.2%	1.6%
	- Private Enterprises and Consultants	14.1%	40.3%	28.4%	10.8%	4.9%	1.6%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	13.0%	47.8%	18.1%	18.1%	2.2%	0.8%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	19.7%	35.7%	25.4%	9.2%	2.7%	7.3%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	70.5%	25.9%	2.4%	0.3%	0.5%	0.3%
B4	Competence in Sustainable Environmental Design should be required for professional registration	38.9%	33.0%	13.2%	10.5%	3.5%	0.8%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	50.3%	36.5%	9.7%	1.6%	1.1%	0.8%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	45.9%	41.1%	8.9%	2.2%	0.8%	1.1%
	- Energy Efficiency and Carbon Neutrality	45.7%	41.1%	10.5%	2.2%	0.3%	0.3%
	- Renewable Energy Systems	37.3%	49.2%	11.1%	1.6%	0.3%	0.5%
	- Occupant Comfort and Well-Being	37.0%	40.0%	18.6%	3.5%	0.3%	0.5%
	- Ecological Management of Resources	39.7%	43.5%	12.4%	3.0%	0.5%	0.8%
	- Social Sustainability	39.5%	37.6%	17.8%	1.9%	2.2%	1.1%

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	4.9%	30.0%	22.4%	30.3%	12.4%	0.0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	42.7%	39.7%	8.6%	4.9%	3.0%	1.1%
	- Chambers of Architects	27.0%	41.4%	17.3%	9.7%	2.7%	1.9%
	- Universities	35.1%	38.9%	16.8%	6.5%	1.4%	1.4%
	- Private Clients	34.6%	31.9%	22.2%	7.8%	1.9%	1.6%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	10.0%	30.0%	30.3%	17.6%	5.7%	6.5%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	9.2%	37.3%	26.5%	18.4%	5.7%	3.0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	53.2%	37.3%	7.3%	1.1%	0.3%	0.8%
	- Reduction of Running Cost (energy efficiency)	34.6%	47.6%	13.0%	3.5%	0.5%	0.8%
	- Minimisation of Carbon Emissions	6.8%	20.5%	44.3%	22.4%	4.1%	1.9%
	- Aesthetical Appearance	28.9%	46.5%	18.4%	5.1%	0.3%	0.8%
	- Occupant Comfort and Well-being	31.1%	44.6%	18.9%	4.3%	0.3%	0.8%
	- Financial Incentives (e.g. grants)	33.0%	45.4%	15.4%	4.3%	0.5%	1.4%
	- Ecological / Ethical issues	8.9%	28.1%	34.3%	19.5%	7.8%	1.4%
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	23.8%	40.3%	23.2%	9.2%	2.7%	0.8%
	- Web Sites and Media Coverage (e.g. articles, TV)	47.6%	38.1%	11.1%	1.6%	0.8%	0.8%
	- Open Workshops and Symposia	27.0%	40.0%	23.0%	7.3%	1.6%	1.1%
	- Exhibitions	29.7%	46.5%	17.3%	3.8%	1.1%	1.6%

Results of Surveys per Country

European Countries

Survey for Building Professionals

COUNTRY	Belgium
NUMBER OF SURVEYS ANALYSED	30
NUMBER OF SURVEYS PER ROLE	
Junior Architect	2
Architectural Assistant	1
Architect	15
Senior Architect	3
Other	9

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	55%	45%	0%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	52%	38%	7%	3%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	48%	31%	10%	3%	7%	0%
	- Energy Efficiency and Carbon Neutrality	62%	31%	3%	0%	3%	0%
	- Renewable Energy Systems	38%	45%	10%	7%	0%	0%
	- Occupant Comfort and Well-Being	76%	21%	0%	0%	0%	3%
	- Ecological Management of Resources	41%	28%	24%	3%	3%	0%
	- Social Sustainability	52%	34%	10%	3%	0%	0%
	- Other	Use; Mobility; Economy					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	62%	31%	7%	0%	0%	0%
	- Scheme Design and Planning	52%	41%	0%	3%	0%	3%
	- Detail Design	59%	24%	3%	7%	7%	0%
	- Products and Materials Specification	76%	17%	7%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	59%	24%	14%	3%	0%	0%
	- Conferences	28%	52%	17%	0%	3%	0%
	- Literature and Publications	45%	45%	10%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	38%	31%	28%	0%	0%	3%
	- Materials and Products Showcases	31%	48%	14%	3%	3%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	17%	21%	17%	34%	7%	3%
	- Professional Bodies / Chambers of Architects	10%	3%	21%	21%	34%	10%
	- Private Enterprises and Consultants	3%	55%	17%	17%	7%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	10%	48%	17%	17%	3%	3%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	34%	31%	7%	10%	7%	10%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	86%	14%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	45%	38%	7%	7%	3%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	69%	7%	10%	7%	7%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	48%	28%	17%	0%	3%	3%
	- Energy Efficiency and Carbon Neutrality	52%	24%	24%	0%	0%	0%
	- Renewable Energy Systems	31%	38%	24%	7%	0%	0%
	- Occupant Comfort and Well-Being	21%	45%	28%	7%	0%	0%
	- Ecological Management of Resources	45%	21%	17%	10%	3%	3%
	- Social Sustainability	31%	28%	31%	3%	7%	0%
	- Other	Economy					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	3%	28%	7%	24%	38%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	7%	59%	14%	7%	10%	3%
	- Chambers of Architects	3%	7%	21%	31%	24%	14%
	- Universities	14%	41%	24%	17%	3%	0%
	- Private Clients	21%	31%	31%	10%	7%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	10%	38%	21%	7%	7%	17%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	17%	52%	17%	3%	3%	7%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	59%	28%	7%	3%	0%	3%
	- Reduction of Running Cost (energy efficiency)	41%	45%	7%	3%	0%	3%
	- Minimisation of Carbon Emissions	10%	21%	41%	17%	7%	3%
	- Aesthetical Appearance	28%	48%	10%	3%	0%	10%
	- Occupant Comfort and Well-being	48%	24%	14%	7%	0%	7%
	- Financial Incentives (e.g. grants)	41%	41%	7%	3%	0%	7%
	- Ecological / Ethical issues	14%	45%	17%	17%	3%	3%
	- Other	Time of construction					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	34%	34%	21%	7%	0%	3%
	- Web Sites and Media Coverage (e.g. articles, TV)	59%	28%	7%	3%	0%	3%
	- Open Workshops and Symposia	38%	38%	21%	3%	0%	0%
	- Exhibitions	31%	48%	14%	3%	3%	0%

Survey for Building Professionals

COUNTRY	Bulgaria
NUMBER OF SURVEYS ANALYSED	3
NUMBER OF SURVEYS PER ROLE	
Junior Architect	0
Architectural Assistant	0
Architect	2
Senior Architect	1
Other	0

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	33%	67%	0%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	0%	100%	0%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	33%	67%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	33%	33%	33%	0%	0%	0%
	- Renewable Energy Systems	0%	33%	67%	0%	0%	0%
	- Occupant Comfort and Well-Being	33%	67%	0%	0%	0%	0%
	- Ecological Management of Resources	33%	0%	33%	33%	0%	0%
	- Social Sustainability	33%	33%	0%	33%	0%	0%
	- Other						
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	0%	67%	33%	0%	0%	0%
	- Scheme Design and Planning	0%	100%	0%	0%	0%	0%
	- Detail Design	0%	67%	33%	0%	0%	0%
	- Products and Materials Specification	33%	33%	0%	33%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	67%	33%	0%	0%	0%	0%
	- Conferences	0%	67%	33%	0%	0%	0%
	- Literature and Publications	0%	100%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	33%	33%	33%	0%	0%	0%
	- Materials and Products Showcases	0%	67%	33%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	0%	33%	33%	33%	0%	0%
	- Professional Bodies / Chambers of Architects	0%	0%	0%	100%	0%	0%
	- Private Enterprises and Consultants	33%	33%	33%	0%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	0%	0%	67%	33%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	0%	0%	67%	33%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	67%	33%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	33%	33%	33%	0%	0%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	67%	33%	0%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	33%	67%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	33%	67%	0%	0%	0%	0%
	- Renewable Energy Systems	33%	33%	33%	0%	0%	0%
	- Occupant Comfort and Well-Being	33%	67%	0%	0%	0%	0%
	- Ecological Management of Resources	33%	33%	33%	0%	0%	0%
	- Social Sustainability	33%	67%	0%	0%	0%	0%
	- Other						

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	33%	67%	0%	0%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	33%	67%	0%	0%	0%	0%
	- Chambers of Architects	33%	67%	0%	0%	0%	0%
	- Universities	33%	67%	0%	0%	0%	0%
	- Private Clients	0%	33%	67%	0%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	67%	0%	33%	0%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	33%	0%	33%	33%	0%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	33%	67%	0%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	33%	67%	0%	0%	0%	0%
	- Minimisation of Carbon Emissions	0%	0%	67%	33%	0%	0%
	- Aesthetical Appearance	0%	100%	0%	0%	0%	0%
	- Occupant Comfort and Well-being	33%	33%	33%	0%	0%	0%
	- Financial Incentives (e.g. grants)	33%	33%	33%	0%	0%	0%
	- Ecological / Ethical issues	0%	33%	33%	33%	0%	0%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	33%	67%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	0%	100%	0%	0%	0%	0%
	- Open Workshops and Symposia	0%	67%	33%	0%	0%	0%
	- Exhibitions	33%	67%	0%	0%	0%	0%

Survey for Building Professionals

COUNTRY	Denmark
NUMBER OF SURVEYS ANALYSED	3
NUMBER OF SURVEYS PER ROLE	
Junior Architect	2
Architectural Assistant	0
Architect	1
Senior Architect	0
Other	0

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	100%	0%	0%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	67%	33%	0%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	0%	100%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	0%	100%	0%	0%	0%	0%
	- Renewable Energy Systems	33%	33%	33%	0%	0%	0%
	- Occupant Comfort and Well-Being	33%	67%	0%	0%	0%	0%
	- Ecological Management of Resources	33%	67%	0%	0%	0%	0%
	- Social Sustainability	33%	33%	33%	0%	0%	0%
	- Other						
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	67%	33%	0%	0%	0%	0%
	- Scheme Design and Planning	67%	33%	0%	0%	0%	0%
	- Detail Design	33%	67%	0%	0%	0%	0%
	- Products and Materials Specification	67%	33%	0%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	0%	100%	0%	0%	0%	0%
	- Conferences	0%	33%	67%	0%	0%	0%
	- Literature and Publications	0%	100%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	33%	67%	0%	0%	0%	0%
	- Materials and Products Showcases	0%	0%	100%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	33%	67%	0%	0%	0%	0%
	- Professional Bodies / Chambers of Architects	33%	33%	33%	0%	0%	0%
	- Private Enterprises and Consultants	67%	0%	33%	0%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	33%	67%	0%	0%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	0%	100%	0%	0%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	0%	33%	67%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	0%	100%	0%	0%	0%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	0%	67%	33%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	67%	33%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	33%	67%	0%	0%	0%	0%
	- Renewable Energy Systems	0%	67%	33%	0%	0%	0%
	- Occupant Comfort and Well-Being	33%	67%	0%	0%	0%	0%
	- Ecological Management of Resources	0%	33%	67%	0%	0%	0%
	- Social Sustainability	0%	67%	33%	0%	0%	0%
	- Other						

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	33%	0%	67%	0%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	33%	33%	33%	0%	0%	0%
	- Chambers of Architects	67%	33%	0%	0%	0%	0%
	- Universities	100%	0%	0%	0%	0%	0%
	- Private Clients	33%	33%	0%	33%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	33%	67%	0%	0%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	33%	33%	33%	0%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	100%	0%	0%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	33%	33%	33%	0%	0%	0%
	- Minimisation of Carbon Emissions	0%	0%	67%	33%	0%	0%
	- Aesthetical Appearance	33%	67%	0%	0%	0%	0%
	- Occupant Comfort and Well-being	33%	33%	33%	0%	0%	0%
	- Financial Incentives (e.g. grants)	67%	33%	0%	0%	0%	0%
	- Ecological / Ethical issues	0%	0%	33%	67%	0%	0%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	33%	33%	0%	33%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	67%	33%	0%	0%	0%	0%
	- Open Workshops and Symposia	67%	0%	33%	0%	0%	0%
	- Exhibitions	67%	33%	0%	0%	0%	0%

Survey for Building Professionals

COUNTRY	France
NUMBER OF SURVEYS ANALYSED	36
NUMBER OF SURVEYS PER ROLE	
Junior Architect	6
Architectural Assistant	0
Architect	22
Senior Architect	8
Other	0

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	67%	27%	0%	7%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	60%	27%	10%	3%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	70%	13%	7%	7%	0%	3%
	- Energy Efficiency and Carbon Neutrality	60%	30%	0%	7%	0%	3%
	- Renewable Energy Systems	53%	33%	10%	3%	0%	0%
	- Occupant Comfort and Well-Being	83%	13%	0%	3%	0%	0%
	- Ecological Management of Resources	50%	23%	20%	3%	3%	0%
	- Social Sustainability	60%	13%	20%	7%	0%	0%
	- Other	Poetics and culture; Ethics; Functionality					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	80%	13%	0%	7%	0%	0%
	- Scheme Design and Planning	63%	27%	3%	7%	0%	0%
	- Detail Design	57%	27%	10%	3%	0%	3%
	- Products and Materials Specification	63%	30%	0%	3%	0%	3%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	63%	23%	7%	0%	3%	3%
	- Conferences	40%	37%	23%	0%	0%	0%
	- Literature and Publications	57%	43%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	30%	43%	23%	0%	0%	3%
	- Materials and Products Showcases	17%	37%	33%	10%	3%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	3%	13%	27%	33%	20%	3%
	- Professional Bodies / Chambers of Architects	7%	27%	27%	23%	17%	0%
	- Private Enterprises and Consultants	7%	13%	33%	23%	23%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	7%	53%	20%	17%	0%	3%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	33%	40%	17%	0%	0%	10%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	87%	10%	0%	0%	0%	3%
B4	Competence in Sustainable Environmental Design should be required for professional registration	63%	33%	0%	0%	0%	3%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	53%	30%	10%	3%	0%	3%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	53%	40%	3%	0%	0%	3%
	- Energy Efficiency and Carbon Neutrality	47%	43%	3%	3%	0%	3%
	- Renewable Energy Systems	37%	50%	7%	3%	0%	3%
	- Occupant Comfort and Well-Being	27%	33%	33%	0%	3%	3%
	- Ecological Management of Resources	40%	27%	20%	10%	0%	3%
	- Social Sustainability	27%	20%	37%	0%	13%	3%
	- Other	Health; Results from experience; Use of natural materials					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	17%	13%	37%	33%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	3%	33%	33%	23%	7%	0%
	- Chambers of Architects	10%	30%	30%	30%	0%	0%
	- Universities	3%	7%	57%	20%	7%	7%
	- Private Clients	3%	30%	37%	23%	7%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	13%	33%	33%	17%	3%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	5%	25%	40%	15%	5%	10%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	50%	40%	7%	3%	0%	0%
	- Reduction of Running Cost (energy efficiency)	33%	53%	7%	7%	0%	0%
	- Minimisation of Carbon Emissions	0%	17%	43%	33%	7%	0%
	- Aesthetical Appearance	7%	27%	60%	7%	0%	0%
	- Occupant Comfort and Well-being	10%	43%	33%	13%	0%	0%
	- Financial Incentives (e.g. grants)	37%	50%	10%	3%	0%	0%
	- Ecological / Ethical issues	3%	20%	37%	20%	17%	3%
	- Other	Image of a green building; Time of construction					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	17%	27%	30%	13%	13%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	40%	33%	23%	0%	3%	0%
	- Open Workshops and Symposia	37%	37%	17%	3%	3%	3%
	- Exhibitions	23%	37%	23%	7%	0%	10%

Survey for Building Professionals

COUNTRY	Germany
NUMBER OF SURVEYS ANALYSED	**24**
NUMBER OF SURVEYS PER ROLE	
Junior Architect	**0**
Architectural Assistant	**2**
Architect	**4**
Senior Architect	**11**
Other	**7**

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	38%	50%	0%	13%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	25%	29%	25%	17%	4%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	13%	29%	29%	21%	4%	4%
	- Energy Efficiency and Carbon Neutrality	29%	38%	17%	17%	0%	0%
	- Renewable Energy Systems	17%	58%	13%	13%	0%	0%
	- Occupant Comfort and Well-Being	33%	38%	8%	13%	4%	4%
	- Ecological Management of Resources	21%	54%	8%	13%	0%	4%
	- Social Sustainability	42%	38%	13%	8%	0%	0%
	- Other	Increased quality of life through energy efficiency; Economic sustainability through re-use, technical upgradability, within city planning and low running costs					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	38%	33%	8%	21%	0%	0%
	- Scheme Design and Planning	46%	29%	8%	17%	0%	0%
	- Detail Design	25%	46%	21%	8%	0%	0%
	- Products and Materials Specification	33%	38%	13%	17%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	13%	33%	21%	13%	21%	0%
	- Conferences	13%	17%	25%	29%	17%	0%
	- Literature and Publications	21%	50%	17%	13%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	21%	50%	13%	13%	4%	0%
	- Materials and Products Showcases	21%	33%	21%	25%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	8%	29%	33%	25%	4%	0%
	- Professional Bodies / Chambers of Architects	8%	54%	25%	8%	4%	0%
	- Private Enterprises and Consultants	13%	33%	29%	17%	4%	4%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	17%	50%	8%	25%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	8%	42%	25%	8%	17%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	68%	32%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	33%	38%	17%	13%	0%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	50%	38%	13%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	25%	42%	13%	21%	0%	0%
	- Energy Efficiency and Carbon Neutrality	25%	42%	17%	17%	0%	0%
	- Renewable Energy Systems	29%	46%	17%	8%	0%	0%
	- Occupant Comfort and Well-Being	21%	38%	21%	17%	0%	4%
	- Ecological Management of Resources	17%	42%	25%	13%	0%	4%
	- Social Sustainability	33%	33%	17%	13%	0%	4%
	- Other	Relation between user quality and energy efficiency; Town planning; Building zoning plan; Landscape ecology; Regulations; Promotion programs					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	33%	8%	42%	17%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	38%	54%	8%	0%	0%	0%
	- Chambers of Architects	29%	58%	13%	0%	0%	0%
	- Universities	33%	38%	21%	4%	4%	0%
	- Private Clients	33%	38%	17%	8%	0%	4%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	13%	25%	42%	17%	4%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	4%	25%	38%	25%	8%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	46%	38%	17%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	46%	33%	4%	13%	0%	4%
	- Minimisation of Carbon Emissions	8%	33%	33%	17%	0%	8%
	- Aesthetical Appearance	13%	42%	21%	25%	0%	0%
	- Occupant Comfort and Well-being	25%	38%	29%	8%	0%	0%
	- Financial Incentives (e.g. grants)	33%	54%	8%	0%	0%	4%
	- Ecological / Ethical issues	13%	21%	42%	21%	4%	0%
	- Other	Ecofunctional aesthetics; Minimise running/renovation costs					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	13%	38%	21%	25%	4%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	38%	38%	8%	13%	4%	0%
	- Open Workshops and Symposia	13%	42%	17%	21%	8%	0%
	- Exhibitions	25%	38%	17%	17%	4%	0%

Survey for Building Professionals

COUNTRY	Greece
NUMBER OF SURVEYS ANALYSED	5
NUMBER OF SURVEYS PER ROLE	
Junior Architect	0
Architectural Assistant	0
Architect	1
Senior Architect	4
Other	0

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	80%	20%	0%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	60%	40%	0%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	100%	0%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	20%	80%	0%	0%	0%	0%
	- Renewable Energy Systems	40%	20%	40%	0%	0%	0%
	- Occupant Comfort and Well-Being	80%	20%	0%	0%	0%	0%
	- Ecological Management of Resources	20%	20%	60%	0%	0%	0%
	- Social Sustainability	60%	0%	20%	0%	0%	20%
	- Other						
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	100%	0%	0%	0%	0%	0%
	- Scheme Design and Planning	80%	20%	0%	0%	0%	0%
	- Detail Design	60%	20%	20%	0%	0%	0%
	- Products and Materials Specification	40%	20%	40%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	80%	0%	20%	0%	0%	0%
	- Conferences	20%	40%	40%	0%	0%	0%
	- Literature and Publications	60%	0%	40%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	40%	60%	0%	0%	0%	0%
	- Materials and Products Showcases	80%	0%	20%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	0%	60%	40%	0%	0%	0%
	- Professional Bodies / Chambers of Architects	60%	20%	0%	0%	20%	0%
	- Private Enterprises and Consultants	20%	40%	40%	0%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	0%	40%	40%	20%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	20%	60%	20%	0%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	80%	20%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	40%	40%	0%	0%	20%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	20%	60%	20%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	60%	40%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	40%	60%	0%	0%	0%	0%
	- Renewable Energy Systems	20%	60%	20%	0%	0%	0%
	- Occupant Comfort and Well-Being	60%	40%	0%	0%	0%	0%
	- Ecological Management of Resources	60%	20%	20%	0%	0%	0%
	- Social Sustainability	20%	80%	0%	0%	0%	0%
	- Other	Bioclimatic principles of vernacular architecture					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	40%	40%	20%	0%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	20%	80%	0%	0%	0%	0%
	- Chambers of Architects	20%	60%	20%	0%	0%	0%
	- Universities	40%	60%	0%	0%	0%	0%
	- Private Clients	20%	20%	60%	0%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	20%	20%	0%	0%	60%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	20%	0%	0%	0%	0%	80%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	40%	60%	0%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	40%	60%	0%	0%	0%	0%
	- Minimisation of Carbon Emissions	20%	40%	40%	0%	0%	0%
	- Aesthetical Appearance	40%	20%	40%	0%	0%	0%
	- Occupant Comfort and Well-being	80%	20%	0%	0%	0%	0%
	- Financial Incentives (e.g. grants)	20%	40%	40%	0%	0%	0%
	- Ecological / Ethical issues	20%	20%	60%	0%	0%	0%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	80%	20%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	100%	0%	0%	0%	0%	0%
	- Open Workshops and Symposia	20%	60%	20%	0%	0%	0%
	- Exhibitions	40%	60%	0%	0%	0%	0%

Survey for Building Professionals

COUNTRY	Hungary
NUMBER OF SURVEYS ANALYSED	30
NUMBER OF SURVEYS PER ROLE	
Junior Architect	2
Architectural Assistant	0
Architect	12
Senior Architect	14
Other	2

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	19%	63%	11%	7%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	30%	56%	7%	7%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	0%	30%	22%	37%	0%	11%
	- Energy Efficiency and Carbon Neutrality	19%	56%	11%	7%	0%	7%
	- Renewable Energy Systems	19%	63%	7%	7%	0%	4%
	- Occupant Comfort and Well-Being	41%	56%	4%	0%	0%	0%
	- Ecological Management of Resources	26%	63%	7%	4%	0%	0%
	- Social Sustainability	11%	48%	26%	11%	0%	4%
	- Other						
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	30%	33%	19%	7%	0%	11%
	- Scheme Design and Planning	11%	63%	15%	4%	0%	7%
	- Detail Design	11%	52%	22%	7%	0%	7%
	- Products and Materials Specification	26%	59%	11%	0%	0%	4%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	41%	56%	4%	0%	0%	0%
	- Conferences	15%	74%	11%	0%	0%	0%
	- Literature and Publications	15%	78%	7%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	19%	63%	15%	0%	4%	0%
	- Materials and Products Showcases	15%	59%	22%	0%	4%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	22%	56%	11%	11%	0%	0%
	- Professional Bodies / Chambers of Architects	15%	56%	11%	19%	0%	0%
	- Private Enterprises and Consultants	0%	48%	30%	11%	11%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	0%	67%	11%	19%	4%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	7%	37%	26%	19%	0%	11%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	44%	56%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	11%	48%	19%	15%	4%	4%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	37%	59%	0%	4%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	22%	67%	7%	0%	0%	4%
	- Energy Efficiency and Carbon Neutrality	30%	59%	7%	4%	0%	0%
	- Renewable Energy Systems	30%	67%	4%	0%	0%	0%
	- Occupant Comfort and Well-Being	30%	56%	15%	0%	0%	0%
	- Ecological Management of Resources	33%	63%	4%	0%	0%	0%
	- Social Sustainability	26%	56%	15%	4%	0%	0%
	- Other						

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	11%	30%	41%	19%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	33%	26%	26%	11%	4%	0%
	- Chambers of Architects	7%	63%	22%	7%	0%	0%
	- Universities	33%	41%	11%	11%	0%	4%
	- Private Clients	26%	30%	33%	11%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	4%	15%	22%	52%	7%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	4%	37%	26%	30%	4%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	41%	59%	0%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	33%	52%	11%	4%	0%	0%
	- Minimisation of Carbon Emissions	4%	11%	41%	37%	4%	4%
	- Aesthetical Appearance	30%	52%	15%	4%	0%	0%
	- Occupant Comfort and Well-being	15%	63%	19%	4%	0%	0%
	- Financial Incentives (e.g. grants)	30%	52%	15%	0%	0%	4%
	- Ecological / Ethical issues	4%	22%	37%	26%	7%	4%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	7%	52%	26%	15%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	44%	48%	7%	0%	0%	0%
	- Open Workshops and Symposia	7%	37%	37%	15%	0%	4%
	- Exhibitions	19%	48%	30%	4%	0%	0%

Survey for Building Professionals

COUNTRY	Republic of Ireland
NUMBER OF SURVEYS ANALYSED	**8**
NUMBER OF SURVEYS PER ROLE	
Junior Architect	**0**
Architectural Assistant	**0**
Architect	**1**
Senior Architect	**6**
Other	**1**

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	75%	13%	13%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	63%	38%	0%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	88%	0%	0%	13%	0%	0%
	- Energy Efficiency and Carbon Neutrality	50%	50%	0%	0%	0%	0%
	- Renewable Energy Systems	50%	50%	0%	0%	0%	0%
	- Occupant Comfort and Well-Being	88%	13%	0%	0%	0%	0%
	- Ecological Management of Resources	25%	38%	25%	13%	0%	0%
	- Social Sustainability	50%	13%	25%	13%	0%	0%
	- Other	Education					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	75%	25%	0%	0%	0%	0%
	- Scheme Design and Planning	63%	25%	13%	0%	0%	0%
	- Detail Design	50%	38%	13%	0%	0%	0%
	- Products and Materials Specification	50%	38%	13%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	63%	25%	13%	0%	0%	0%
	- Conferences	63%	25%	13%	0%	0%	0%
	- Literature and Publications	75%	25%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	50%	38%	13%	0%	0%	0%
	- Materials and Products Showcases	63%	13%	25%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	25%	38%	13%	25%	0%	0%
	- Professional Bodies / Chambers of Architects	38%	13%	25%	25%	0%	0%
	- Private Enterprises and Consultants	25%	25%	50%	0%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	25%	50%	13%	0%	13%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	38%	25%	38%	0%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	88%	13%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	75%	0%	13%	13%	0%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	88%	0%	13%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	75%	13%	13%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	63%	13%	25%	0%	0%	0%
	- Renewable Energy Systems	63%	25%	13%	0%	0%	0%
	- Occupant Comfort and Well-Being	75%	13%	13%	0%	0%	0%
	- Ecological Management of Resources	63%	25%	13%	0%	0%	0%
	- Social Sustainability	88%	0%	13%	0%	0%	0%
	- Other	Education to raise clients awareness					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	13%	50%	13%	25%	0%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	75%	25%	0%	0%	0%	0%
	- Chambers of Architects	25%	63%	13%	0%	0%	0%
	- Universities	38%	50%	13%	0%	0%	0%
	- Private Clients	63%	25%	13%	0%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	38%	13%	38%	13%	0%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	50%	25%	0%	25%	0%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	75%	13%	0%	0%	0%	13%
	- Reduction of Running Cost (energy efficiency)	50%	38%	13%	0%	0%	0%
	- Minimisation of Carbon Emissions	25%	13%	50%	13%	0%	0%
	- Aesthetical Appearance	50%	50%	0%	0%	0%	0%
	- Occupant Comfort and Well-being	63%	38%	0%	0%	0%	0%
	- Financial Incentives (e.g. grants)	38%	63%	0%	0%	0%	0%
	- Ecological / Ethical issues	25%	38%	13%	25%	0%	0%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	38%	13%	38%	13%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	50%	25%	25%	0%	0%	0%
	- Open Workshops and Symposia	38%	25%	38%	0%	0%	0%
	- Exhibitions	50%	25%	25%	0%	0%	0%

Survey for Building Professionals

COUNTRY	Italy
NUMBER OF SURVEYS ANALYSED	38
NUMBER OF SURVEYS PER ROLE	
Junior Architect	0
Architectural Assistant	2
Architect	24
Senior Architect	10
Other	2

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	38%	53%	9%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	22%	72%	6%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	34%	50%	16%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	13%	56%	28%	0%	0%	3%
	- Renewable Energy Systems	22%	59%	16%	3%	0%	0%
	- Occupant Comfort and Well-Being	50%	47%	3%	0%	0%	0%
	- Ecological Management of Resources	22%	56%	22%	0%	0%	0%
	- Social Sustainability	25%	38%	28%	0%	0%	9%
	- Other						
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	25%	66%	9%	0%	0%	0%
	- Scheme Design and Planning	19%	72%	3%	0%	0%	6%
	- Detail Design	22%	63%	6%	0%	0%	9%
	- Products and Materials Specification	25%	56%	13%	0%	0%	6%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	22%	50%	25%	0%	3%	0%
	- Conferences	6%	59%	28%	3%	0%	3%
	- Literature and Publications	31%	47%	19%	0%	0%	3%
	- Web Sites and Media Coverage (e.g. articles, TV)	22%	56%	16%	3%	0%	3%
	- Materials and Products Showcases	41%	38%	19%	3%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	13%	25%	41%	16%	3%	3%
	- Professional Bodies / Chambers of Architects	13%	34%	25%	25%	0%	3%
	- Private Enterprises and Consultants	3%	59%	22%	9%	3%	3%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	0%	31%	16%	47%	6%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	6%	38%	44%	9%	0%	3%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	44%	53%	3%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	13%	25%	31%	28%	3%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	28%	56%	16%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	31%	59%	6%	0%	0%	3%
	- Energy Efficiency and Carbon Neutrality	34%	59%	6%	0%	0%	0%
	- Renewable Energy Systems	19%	66%	13%	0%	0%	3%
	- Occupant Comfort and Well-Being	22%	63%	16%	0%	0%	0%
	- Ecological Management of Resources	16%	63%	22%	0%	0%	0%
	- Social Sustainability	28%	50%	16%	0%	0%	6%
	- Other						

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	3%	31%	34%	25%	6%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	41%	53%	3%	0%	0%	3%
	- Chambers of Architects	13%	53%	31%	3%	0%	0%
	- Universities	22%	47%	19%	13%	0%	0%
	- Private Clients	13%	41%	25%	16%	0%	6%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	3%	13%	47%	19%	9%	9%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	3%	31%	28%	25%	13%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	44%	53%	3%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	9%	44%	31%	9%	3%	3%
	- Minimisation of Carbon Emissions	0%	6%	50%	34%	6%	3%
	- Aesthetical Appearance	19%	53%	16%	9%	3%	0%
	- Occupant Comfort and Well-being	6%	59%	22%	6%	3%	3%
	- Financial Incentives (e.g. grants)	31%	47%	16%	6%	0%	0%
	- Ecological / Ethical issues	0%	22%	34%	28%	13%	3%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	6%	63%	28%	3%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	44%	47%	6%	0%	0%	3%
	- Open Workshops and Symposia	9%	47%	34%	6%	0%	3%
	- Exhibitions	16%	56%	22%	3%	0%	3%

Survey for Building Professionals

COUNTRY	Netherlands
NUMBER OF SURVEYS ANALYSED	3
NUMBER OF SURVEYS PER ROLE	
Junior Architect	0
Architectural Assistant	0
Architect	0
Senior Architect	0
Other	3

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	67%	33%	0%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	67%	33%	0%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	33%	67%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	67%	0%	33%	0%	0%	0%
	- Renewable Energy Systems	67%	0%	33%	0%	0%	0%
	- Occupant Comfort and Well-Being	100%	0%	0%	0%	0%	0%
	- Ecological Management of Resources	33%	67%	0%	0%	0%	0%
	- Social Sustainability	67%	33%	0%	0%	0%	0%
	- Other						
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	67%	0%	33%	0%	0%	0%
	- Scheme Design and Planning	67%	33%	0%	0%	0%	0%
	- Detail Design	33%	67%	0%	0%	0%	0%
	- Products and Materials Specification	33%	33%	33%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	67%	33%	0%	0%	0%	0%
	- Conferences	33%	33%	33%	0%	0%	0%
	- Literature and Publications	0%	100%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	0%	67%	33%	0%	0%	0%
	- Materials and Products Showcases	33%	67%	0%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	67%	33%	0%	0%	0%	0%
	- Professional Bodies / Chambers of Architects	0%	100%	0%	0%	0%	0%
	- Private Enterprises and Consultants	33%	33%	33%	0%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	0%	33%	33%	33%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	33%	33%	33%	0%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	100%	0%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	67%	0%	33%	0%	0%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	33%	67%	0%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	33%	67%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	67%	33%	0%	0%	0%	0%
	- Renewable Energy Systems	33%	67%	0%	0%	0%	0%
	- Occupant Comfort and Well-Being	67%	0%	33%	0%	0%	0%
	- Ecological Management of Resources	33%	67%	0%	0%	0%	0%
	- Social Sustainability	67%	0%	33%	0%	0%	0%
	- Other						

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	0%	100%	0%	0%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	67%	33%	0%	0%	0%	0%
	- Chambers of Architects	33%	67%	0%	0%	0%	0%
	- Universities	33%	67%	0%	0%	0%	0%
	- Private Clients	33%	67%	0%	0%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	33%	67%	0%	0%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	67%	33%	0%	0%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	33%	33%	33%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	33%	33%	33%	0%	0%	0%
	- Minimisation of Carbon Emissions	33%	0%	67%	0%	0%	0%
	- Aesthetical Appearance	0%	100%	0%	0%	0%	0%
	- Occupant Comfort and Well-being	33%	67%	0%	0%	0%	0%
	- Financial Incentives (e.g. grants)	0%	0%	100%	0%	0%	0%
	- Ecological / Ethical issues	0%	67%	33%	0%	0%	0%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	0%	33%	67%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	33%	67%	0%	0%	0%	0%
	- Open Workshops and Symposia	33%	33%	0%	33%	0%	0%
	- Exhibitions	33%	67%	0%	0%	0%	0%

Survey for Building Professionals

COUNTRY	Portugal
NUMBER OF SURVEYS ANALYSED	3
NUMBER OF SURVEYS PER ROLE	
Junior Architect	0
Architectural Assistant	0
Architect	2
Senior Architect	1
Other	0

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	67%	33%	0%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	67%	33%	0%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	33%	67%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	33%	67%	0%	0%	0%	0%
	- Renewable Energy Systems	33%	33%	33%	0%	0%	0%
	- Occupant Comfort and Well-Being	33%	67%	0%	0%	0%	0%
	- Ecological Management of Resources	33%	0%	67%	0%	0%	0%
	- Social Sustainability	0%	67%	33%	0%	0%	0%
	- Other						
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	67%	0%	33%	0%	0%	0%
	- Scheme Design and Planning	33%	33%	33%	0%	0%	0%
	- Detail Design	33%	67%	0%	0%	0%	0%
	- Products and Materials Specification	0%	67%	33%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	33%	67%	0%	0%	0%	0%
	- Conferences	0%	100%	0%	0%	0%	0%
	- Literature and Publications	67%	33%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	33%	67%	0%	0%	0%	0%
	- Materials and Products Showcases	0%	67%	33%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	33%	33%	33%	0%	0%	0%
	- Professional Bodies / Chambers of Architects	0%	33%	33%	33%	0%	0%
	- Private Enterprises and Consultants	0%	67%	33%	0%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	0%	67%	0%	33%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	33%	33%	33%	0%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	100%	0%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	0%	100%	0%	0%	0%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	67%	33%	0%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	67%	0%	33%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	67%	0%	33%	0%	0%	0%
	- Renewable Energy Systems	67%	33%	0%	0%	0%	0%
	- Occupant Comfort and Well-Being	33%	33%	33%	0%	0%	0%
	- Ecological Management of Resources	33%	33%	33%	0%	0%	0%
	- Social Sustainability	33%	33%	33%	0%	0%	0%
	- Other						

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	33%	0%	67%	0%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	33%	33%	33%	0%	0%	0%
	- Chambers of Architects	67%	33%	0%	0%	0%	0%
	- Universities	100%	0%	0%	0%	0%	0%
	- Private Clients	33%	33%	0%	33%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	33%	67%	0%	0%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	33%	33%	33%	0%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	100%	0%	0%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	33%	33%	33%	0%	0%	0%
	- Minimisation of Carbon Emissions	0%	0%	67%	33%	0%	0%
	- Aesthetical Appearance	33%	67%	0%	0%	0%	0%
	- Occupant Comfort and Well-being	33%	33%	33%	0%	0%	0%
	- Financial Incentives (e.g. grants)	67%	33%	0%	0%	0%	0%
	- Ecological / Ethical issues	0%	0%	33%	67%	0%	0%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	33%	33%	0%	33%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	67%	33%	0%	0%	0%	0%
	- Open Workshops and Symposia	67%	0%	33%	0%	0%	0%
	- Exhibitions	67%	33%	0%	0%	0%	0%

Survey for Building Professionals

COUNTRY	Romania
NUMBER OF SURVEYS ANALYSED	3
NUMBER OF SURVEYS PER ROLE	
Junior Architect	2
Architectural Assistant	0
Architect	0
Senior Architect	1
Other	0

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	33%	67%	0%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	0%	67%	0%	33%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	0%	0%	0%	67%	33%	0%
	- Energy Efficiency and Carbon Neutrality	0%	67%	0%	0%	33%	0%
	- Renewable Energy Systems	0%	67%	0%	33%	0%	0%
	- Occupant Comfort and Well-Being	33%	67%	0%	0%	0%	0%
	- Ecological Management of Resources	0%	100%	0%	0%	0%	0%
	- Social Sustainability	33%	67%	0%	0%	0%	0%
	- Other	Natural materials; Traditional methods; Search for economical best solutions; Reutilization without pulling down the buildings; Restoration					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	33%	67%	0%	0%	0%	0%
	- Scheme Design and Planning	0%	67%	0%	33%	0%	0%
	- Detail Design	33%	67%	0%	0%	0%	0%
	- Products and Materials Specification	33%	67%	0%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	0%	67%	33%	0%	0%	0%
	- Conferences	0%	67%	33%	0%	0%	0%
	- Literature and Publications	0%	100%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	0%	67%	33%	0%	0%	0%
	- Materials and Products Showcases	0%	67%	0%	0%	33%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	0%	67%	0%	0%	33%	0%
	- Professional Bodies / Chambers of Architects	0%	0%	33%	67%	0%	0%
	- Private Enterprises and Consultants	0%	33%	67%	0%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	0%	0%	33%	33%	33%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	0%	0%	67%	33%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	0%	33%	33%	0%	33%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	0%	67%	0%	33%	0%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	0%	67%	33%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	33%	33%	33%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	33%	33%	33%	0%	0%	0%
	- Renewable Energy Systems	33%	33%	0%	33%	0%	0%
	- Occupant Comfort and Well-Being	33%	67%	0%	0%	0%	0%
	- Ecological Management of Resources	67%	33%	0%	0%	0%	0%
	- Social Sustainability	33%	67%	0%	0%	0%	0%
	- Other	Use of natural materilas and traditional methods of construction; Repair of existing buildings					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	0%	33%	0%	67%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	33%	33%	33%	0%	0%	0%
	- Chambers of Architects	0%	33%	67%	0%	0%	0%
	- Universities	0%	33%	67%	0%	0%	0%
	- Private Clients	33%	33%	33%	0%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	0%	33%	0%	67%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	33%	33%	0%	33%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	33%	67%	0%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	0%	67%	33%	0%	0%	0%
	- Minimisation of Carbon Emissions	0%	33%	0%	33%	33%	0%
	- Aesthetical Appearance	0%	67%	0%	0%	33%	0%
	- Occupant Comfort and Well-being	0%	100%	0%	0%	0%	0%
	- Financial Incentives (e.g. grants)	0%	100%	0%	0%	0%	0%
	- Ecological / Ethical issues	0%	0%	67%	0%	33%	0%
	- Other	Harmony with traditions					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	0%	100%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	0%	100%	0%	0%	0%	0%
	- Open Workshops and Symposia	0%	33%	67%	0%	0%	0%
	- Exhibitions	33%	67%	0%	0%	0%	0%

Survey for Building Professionals

COUNTRY	Spain
NUMBER OF SURVEYS ANALYSED	**53**
NUMBER OF SURVEYS PER ROLE	
Junior Architect	**32**
Architectural Assistant	**3**
Architect	**9**
Senior Architect	**8**
Other	**1**

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	33%	53%	4%	10%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	37%	39%	12%	12%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	27%	45%	12%	12%	2%	2%
	- Energy Efficiency and Carbon Neutrality	16%	35%	31%	14%	2%	2%
	- Renewable Energy Systems	20%	45%	25%	4%	4%	2%
	- Occupant Comfort and Well-Being	65%	31%	2%	2%	0%	0%
	- Ecological Management of Resources	25%	29%	33%	8%	2%	2%
	- Social Sustainability	29%	41%	20%	4%	4%	2%
	- Other	Adequate use of materials; Renovation of buildings and urban fabric					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	47%	35%	14%	2%	2%	0%
	- Scheme Design and Planning	33%	45%	18%	2%	2%	0%
	- Detail Design	37%	41%	16%	4%	2%	0%
	- Products and Materials Specification	22%	43%	24%	8%	4%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	53%	31%	12%	2%	0%	2%
	- Conferences	37%	43%	14%	2%	2%	2%
	- Literature and Publications	49%	43%	6%	2%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	39%	37%	18%	4%	2%	0%
	- Materials and Products Showcases	33%	39%	22%	4%	0%	2%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	55%	24%	16%	2%	2%	2%
	- Professional Bodies / Chambers of Architects	45%	31%	18%	2%	2%	2%
	- Private Enterprises and Consultants	24%	37%	27%	10%	0%	2%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	10%	35%	33%	20%	2%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	10%	33%	24%	12%	8%	14%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	78%	20%	0%	0%	2%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	25%	27%	18%	20%	8%	2%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	57%	35%	4%	2%	2%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	55%	37%	6%	2%	0%	0%
	- Energy Efficiency and Carbon Neutrality	53%	37%	8%	0%	2%	0%
	- Renewable Energy Systems	53%	39%	4%	2%	2%	0%
	- Occupant Comfort and Well-Being	61%	25%	10%	4%	0%	0%
	- Ecological Management of Resources	53%	37%	10%	0%	0%	0%
	- Social Sustainability	59%	24%	12%	4%	2%	0%
	- Other	Knowledge on materials and their diverse applications; Competence on materials and methods of sustainable construction; Basic awareness of sustainability					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	2%	41%	20%	31%	6%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	59%	37%	0%	0%	2%	2%
	- Chambers of Architects	41%	39%	12%	2%	4%	2%
	- Universities	55%	35%	6%	0%	2%	2%
	- Private Clients	43%	22%	22%	10%	0%	4%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	4%	29%	25%	27%	14%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	4%	18%	31%	33%	14%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	71%	29%	0%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	41%	39%	18%	2%	0%	0%
	- Minimisation of Carbon Emissions	0%	8%	57%	27%	8%	0%
	- Aesthetical Appearance	41%	39%	16%	4%	0%	0%
	- Occupant Comfort and Well-being	45%	33%	18%	4%	0%	0%
	- Financial Incentives (e.g. grants)	41%	39%	14%	4%	2%	0%
	- Ecological / Ethical issues	4%	20%	41%	18%	18%	0%
	- Other	Profitability of investments; Quick financial return					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	27%	27%	31%	8%	6%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	55%	25%	16%	2%	2%	0%
	- Open Workshops and Symposia	39%	31%	20%	8%	2%	0%
	- Exhibitions	41%	37%	16%	4%	2%	0%

Survey for Building Professionals

COUNTRY	United Kingdom
NUMBER OF SURVEYS ANALYSED	33
NUMBER OF SURVEYS PER ROLE	
Junior Architect	1
Architectural Assistant	1
Architect	11
Senior Architect	17
Other	3

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	55%	42%	0%	3%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	55%	42%	3%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	45%	48%	3%	3%	0%	0%
	- Energy Efficiency and Carbon Neutrality	39%	42%	15%	0%	0%	3%
	- Renewable Energy Systems	24%	55%	15%	3%	0%	3%
	- Occupant Comfort and Well-Being	52%	48%	0%	0%	0%	0%
	- Ecological Management of Resources	21%	55%	21%	0%	0%	3%
	- Social Sustainability	27%	52%	18%	0%	0%	3%
	- Other	Cost benefit analysis; Urban infrastructure; Design excellence as a mode of sustainability; Renewable and low impact materials					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	48%	39%	12%	0%	0%	0%
	- Scheme Design and Planning	45%	55%	0%	0%	0%	0%
	- Detail Design	27%	64%	6%	3%	0%	0%
	- Products and Materials Specification	27%	67%	3%	3%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	30%	45%	12%	9%	3%	0%
	- Conferences	24%	27%	33%	6%	6%	3%
	- Literature and Publications	42%	52%	3%	0%	3%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	33%	48%	12%	3%	3%	0%
	- Materials and Products Showcases	27%	42%	21%	6%	0%	3%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	24%	42%	21%	0%	9%	3%
	- Professional Bodies / Chambers of Architects	18%	36%	39%	0%	6%	0%
	- Private Enterprises and Consultants	24%	33%	33%	0%	6%	3%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	21%	61%	15%	3%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	33%	36%	12%	9%	0%	9%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	76%	21%	0%	3%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	48%	27%	15%	6%	3%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	45%	45%	9%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	39%	45%	9%	3%	3%	0%
	- Energy Efficiency and Carbon Neutrality	36%	52%	12%	0%	0%	0%
	- Renewable Energy Systems	24%	64%	9%	3%	0%	0%
	- Occupant Comfort and Well-Being	33%	42%	24%	0%	0%	0%
	- Ecological Management of Resources	18%	70%	12%	0%	0%	0%
	- Social Sustainability	33%	42%	24%	0%	0%	0%
	- Other	Holistic approach to sustainability in construction; Management of quality; How to avoid eco-fascists					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	9%	33%	39%	15%	3%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	48%	42%	6%	0%	3%	0%
	- Chambers of Architects	18%	52%	27%	3%	0%	0%
	- Universities	30%	58%	9%	3%	0%	0%
	- Private Clients	30%	45%	21%	0%	3%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	15%	33%	33%	6%	6%	6%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	3%	52%	30%	15%	0%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	45%	36%	18%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	21%	58%	21%	0%	0%	0%
	- Minimisation of Carbon Emissions	3%	33%	52%	9%	3%	0%
	- Aesthetical Appearance	24%	48%	27%	0%	0%	0%
	- Occupant Comfort and Well-being	12%	61%	27%	0%	0%	0%
	- Financial Incentives (e.g. grants)	18%	58%	21%	3%	0%	0%
	- Ecological / Ethical issues	3%	36%	42%	12%	6%	0%
	- Other	Integration in skills of the design team to meet the brief					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	15%	55%	15%	12%	0%	3%
	- Web Sites and Media Coverage (e.g. articles, TV)	27%	61%	12%	0%	0%	0%
	- Open Workshops and Symposia	9%	48%	33%	6%	3%	0%
	- Exhibitions	15%	55%	30%	0%	0%	0%

Results of Surveys per Country

Extra-European Countries

Survey for Building Professionals

COUNTRY	Australia
NUMBER OF SURVEYS ANALYSED	32
NUMBER OF SURVEYS PER ROLE	
Junior Architect	2
Architectural Assistant	0
Architect	9
Senior Architect	20
Other	1

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	75%	16%	6%	3%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	66%	28%	6%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	72%	19%	9%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	59%	28%	9%	3%	0%	0%
	- Renewable Energy Systems	41%	44%	13%	3%	0%	0%
	- Occupant Comfort and Well-Being	66%	34%	0%	0%	0%	0%
	- Ecological Management of Resources	34%	53%	9%	3%	0%	0%
	- Social Sustainability	34%	53%	9%	3%	0%	0%
	- Other	Passive systems in desert regions; Reuse of resources; Cradle to cradle approach to resources and materials; Enhancement of biodiversity; Rehabilitation of sites					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	69%	28%	3%	0%	0%	0%
	- Scheme Design and Planning	63%	31%	6%	0%	0%	0%
	- Detail Design	44%	47%	9%	0%	0%	0%
	- Products and Materials Specification	34%	59%	6%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	44%	31%	22%	0%	3%	0%
	- Conferences	31%	41%	22%	3%	3%	0%
	- Literature and Publications	53%	44%	3%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	38%	53%	9%	0%	0%	0%
	- Materials and Products Showcases	28%	59%	13%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	34%	28%	28%	9%	0%	0%
	- Professional Bodies / Chambers of Architects	38%	28%	31%	3%	0%	0%
	- Private Enterprises and Consultants	19%	44%	28%	9%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	38%	56%	6%	0%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	41%	31%	16%	3%	0%	9%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	84%	16%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	66%	25%	6%	3%	0%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	69%	28%	3%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	41%	31%	22%	3%	3%	0%
	- Energy Efficiency and Carbon Neutrality	50%	28%	19%	3%	0%	0%
	- Renewable Energy Systems	41%	56%	3%	0%	0%	0%
	- Occupant Comfort and Well-Being	31%	41%	25%	3%	0%	0%
	- Ecological Management of Resources	38%	56%	3%	3%	0%	0%
	- Social Sustainability	41%	44%	16%	0%	0%	0%
	- Other	Strategies beyond traditional climates; Cultural sustainability; Manual methods for calculations; Interlocking of systems					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	6%	41%	16%	28%	9%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	50%	44%	3%	3%	0%	0%
	- Chambers of Architects	44%	44%	9%	3%	0%	0%
	- Universities	38%	50%	6%	6%	0%	0%
	- Private Clients	56%	31%	6%	6%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	16%	34%	25%	13%	0%	13%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	16%	50%	13%	16%	3%	3%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	50%	31%	9%	6%	0%	3%
	- Reduction of Running Cost (energy efficiency)	28%	69%	0%	3%	0%	0%
	- Minimisation of Carbon Emissions	13%	31%	41%	16%	0%	0%
	- Aesthetical Appearance	44%	50%	6%	0%	0%	0%
	- Occupant Comfort and Well-being	50%	34%	6%	9%	0%	0%
	- Financial Incentives (e.g. grants)	25%	47%	22%	6%	0%	0%
	- Ecological / Ethical issues	13%	38%	31%	16%	3%	0%
	- Other	Capital investment vs low running costs; Status; Public image					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	38%	38%	22%	3%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	47%	34%	19%	0%	0%	0%
	- Open Workshops and Symposia	31%	53%	13%	3%	0%	0%
	- Exhibitions	28%	56%	13%	3%	0%	0%

Survey for Building Professionals

COUNTRY	Canada
NUMBER OF SURVEYS ANALYSED	12
NUMBER OF SURVEYS PER ROLE	
Junior Architect	0
Architectural Assistant	1
Architect	3
Senior Architect	7
Other	1

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	42%	42%	8%	8%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	42%	42%	8%	8%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	58%	17%	8%	8%	0%	8%
	- Energy Efficiency and Carbon Neutrality	42%	50%	0%	8%	0%	0%
	- Renewable Energy Systems	25%	33%	33%	8%	0%	0%
	- Occupant Comfort and Well-Being	67%	25%	8%	0%	0%	0%
	- Ecological Management of Resources	33%	42%	17%	8%	0%	0%
	- Social Sustainability	50%	50%	0%	0%	0%	0%
	- Other	Use of recyclable materials and reuse; Approach based on site-specific ecosystems; Sustainable economic growth					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	42%	33%	17%	0%	0%	8%
	- Scheme Design and Planning	50%	33%	8%	0%	0%	8%
	- Detail Design	50%	17%	17%	8%	0%	8%
	- Products and Materials Specification	58%	33%	0%	8%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	42%	33%	25%	0%	0%	0%
	- Conferences	42%	42%	8%	8%	0%	0%
	- Literature and Publications	67%	25%	8%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	50%	42%	8%	0%	0%	0%
	- Materials and Products Showcases	42%	50%	8%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	8%	50%	33%	8%	0%	0%
	- Professional Bodies / Chambers of Architects	25%	33%	25%	17%	0%	0%
	- Private Enterprises and Consultants	17%	25%	33%	25%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	17%	42%	33%	0%	0%	8%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	0%	58%	33%	0%	0%	8%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	67%	33%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	50%	42%	0%	0%	8%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	58%	17%	17%	0%	0%	8%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	58%	17%	25%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	58%	33%	8%	0%	0%	0%
	- Renewable Energy Systems	42%	42%	17%	0%	0%	0%
	- Occupant Comfort and Well-Being	33%	33%	33%	0%	0%	0%
	- Ecological Management of Resources	58%	33%	8%	0%	0%	0%
	- Social Sustainability	42%	42%	17%	0%	0%	0%
	- Other						

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	8%	33%	50%	8%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	75%	17%	0%	0%	8%	0%
	- Chambers of Architects	45%	36%	0%	18%	0%	0%
	- Universities	25%	42%	33%	0%	0%	0%
	- Private Clients	50%	17%	25%	0%	8%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	17%	25%	50%	8%	0%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	8%	33%	33%	17%	8%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	58%	42%	0%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	25%	67%	8%	0%	0%	0%
	- Minimisation of Carbon Emissions	0%	8%	58%	25%	8%	0%
	- Aesthetical Appearance	17%	50%	25%	8%	0%	0%
	- Occupant Comfort and Well-being	33%	50%	17%	0%	0%	0%
	- Financial Incentives (e.g. grants)	33%	33%	25%	8%	0%	0%
	- Ecological / Ethical issues	25%	8%	50%	17%	0%	0%
	- Other	Meeting project deadlines; Return on Investment					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	33%	42%	17%	8%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	67%	33%	0%	0%	0%	0%
	- Open Workshops and Symposia	25%	42%	25%	8%	0%	0%
	- Exhibitions	25%	58%	8%	8%	0%	0%

![educate logo]

Survey for Building Professionals

COUNTRY	Latin America (Mexico, Chile, Brazil)
NUMBER OF SURVEYS ANALYSED	10
NUMBER OF SURVEYS PER ROLE	
Junior Architect	0
Architectural Assistant	0
Architect	6
Senior Architect	2
Other	2

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	40%	10%	40%	0%	10%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	50%	30%	10%	0%	10%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	60%	20%	10%	10%	0%	0%
	- Energy Efficiency and Carbon Neutrality	50%	10%	30%	10%	0%	0%
	- Renewable Energy Systems	20%	30%	20%	30%	0%	0%
	- Occupant Comfort and Well-Being	70%	30%	0%	0%	0%	0%
	- Ecological Management of Resources	30%	20%	30%	20%	0%	0%
	- Social Sustainability	10%	50%	20%	20%	0%	0%
	- Other						
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	30%	40%	20%	10%	0%	0%
	- Scheme Design and Planning	30%	40%	20%	10%	0%	0%
	- Detail Design	20%	40%	30%	10%	0%	0%
	- Products and Materials Specification	30%	30%	20%	20%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	60%	30%	10%	0%	0%	0%
	- Conferences	50%	40%	10%	0%	0%	0%
	- Literature and Publications	50%	40%	10%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	40%	60%	0%	0%	0%	0%
	- Materials and Products Showcases	60%	40%	0%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	40%	30%	10%	20%	0%	0%
	- Professional Bodies / Chambers of Architects	40%	10%	20%	30%	0%	0%
	- Private Enterprises and Consultants	20%	30%	30%	20%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	0%	40%	20%	40%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	20%	40%	0%	40%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	90%	0%	10%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	40%	40%	10%	0%	10%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	70%	20%	10%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	60%	40%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	70%	20%	10%	0%	0%	0%
	- Renewable Energy Systems	70%	30%	0%	0%	0%	0%
	- Occupant Comfort and Well-Being	50%	50%	0%	0%	0%	0%
	- Ecological Management of Resources	90%	10%	0%	0%	0%	0%
	- Social Sustainability	80%	20%	0%	0%	0%	0%
	- Other						

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	30%	10%	60%	0%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	80%	10%	0%	10%	0%	0%
	- Chambers of Architects	70%	10%	0%	20%	0%	0%
	- Universities	60%	30%	10%	0%	0%	0%
	- Private Clients	50%	30%	10%	10%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	50%	0%	40%	0%	10%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	50%	20%	30%	0%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	60%	40%	0%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	40%	40%	10%	10%	0%	0%
	- Minimisation of Carbon Emissions	0%	10%	30%	60%	0%	0%
	- Aesthetical Appearance	40%	60%	0%	0%	0%	0%
	- Occupant Comfort and Well-being	40%	60%	0%	0%	0%	0%
	- Financial Incentives (e.g. grants)	20%	30%	30%	20%	0%	0%
	- Ecological / Ethical issues	20%	30%	20%	30%	0%	0%
	- Other	Immediate financial payback					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	40%	30%	30%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	80%	20%	0%	0%	0%	0%
	- Open Workshops and Symposia	50%	30%	20%	0%	0%	0%
	- Exhibitions	50%	30%	20%	0%	0%	0%

Survey for Building Professionals

COUNTRY	Singapore
NUMBER OF SURVEYS ANALYSED	10
NUMBER OF SURVEYS PER ROLE	
Junior Architect	0
Architectural Assistant	0
Architect	3
Senior Architect	3
Other	4

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	30%	50%	20%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	40%	50%	10%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	50%	40%	10%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	40%	40%	20%	0%	0%	0%
	- Renewable Energy Systems	30%	50%	20%	0%	0%	0%
	- Occupant Comfort and Well-Being	30%	70%	0%	0%	0%	0%
	- Ecological Management of Resources	20%	60%	20%	0%	0%	0%
	- Social Sustainability	20%	70%	10%	0%	0%	0%
	- Other	Active strategies; Cultural and religeous influences					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	30%	40%	30%	0%	0%	0%
	- Scheme Design and Planning	30%	50%	20%	0%	0%	0%
	- Detail Design	30%	40%	30%	0%	0%	0%
	- Products and Materials Specification	30%	60%	10%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	70%	30%	0%	0%	0%	0%
	- Conferences	30%	50%	20%	0%	0%	0%
	- Literature and Publications	40%	60%	0%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	30%	70%	0%	0%	0%	0%
	- Materials and Products Showcases	30%	60%	10%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	70%	20%	0%	10%	0%	0%
	- Professional Bodies / Chambers of Architects	50%	20%	30%	0%	0%	0%
	- Private Enterprises and Consultants	20%	60%	20%	0%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	20%	70%	10%	0%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	20%	40%	20%	20%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	80%	10%	10%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	50%	50%	0%	0%	0%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	60%	30%	10%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	70%	20%	0%	10%	0%	0%
	- Energy Efficiency and Carbon Neutrality	60%	30%	0%	10%	0%	0%
	- Renewable Energy Systems	60%	30%	10%	0%	0%	0%
	- Occupant Comfort and Well-Being	60%	30%	10%	0%	0%	0%
	- Ecological Management of Resources	70%	30%	0%	0%	0%	0%
	- Social Sustainability	70%	30%	0%	0%	0%	0%
	- Other	Economic sustainability; Cultural practices					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	30%	40%	20%	10%	0%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	70%	30%	0%	0%	0%	0%
	- Chambers of Architects	70%	20%	10%	0%	0%	0%
	- Universities	60%	30%	10%	0%	0%	0%
	- Private Clients	60%	30%	10%	0%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	0%	50%	50%	0%	0%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	10%	10%	60%	10%	10%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	80%	10%	10%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	70%	20%	10%	0%	0%	0%
	- Minimisation of Carbon Emissions	40%	30%	20%	10%	0%	0%
	- Aesthetical Appearance	20%	50%	30%	0%	0%	0%
	- Occupant Comfort and Well-being	10%	70%	20%	0%	0%	0%
	- Financial Incentives (e.g. grants)	40%	60%	0%	0%	0%	0%
	- Ecological / Ethical issues	10%	50%	20%	20%	0%	0%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	40%	50%	10%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	80%	20%	0%	0%	0%	0%
	- Open Workshops and Symposia	60%	30%	10%	0%	0%	0%
	- Exhibitions	40%	50%	10%	0%	0%	0%

Survey for Building Professionals

COUNTRY	Switzerland
NUMBER OF SURVEYS ANALYSED	**12**
NUMBER OF SURVEYS PER ROLE	
Junior Architect	**0**
Architectural Assistant	**1**
Architect	**2**
Senior Architect	**7**
Other	**2**

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	42%	50%	8%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	42%	25%	33%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	25%	50%	17%	8%	0%	0%
	- Energy Efficiency and Carbon Neutrality	33%	58%	0%	8%	0%	0%
	- Renewable Energy Systems	33%	58%	8%	0%	0%	0%
	- Occupant Comfort and Well-Being	42%	33%	25%	0%	0%	0%
	- Ecological Management of Resources	25%	50%	25%	0%	0%	0%
	- Social Sustainability	50%	33%	17%	0%	0%	0%
	- Other						
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	50%	33%	17%	0%	0%	0%
	- Scheme Design and Planning	50%	42%	8%	0%	0%	0%
	- Detail Design	50%	50%	0%	0%	0%	0%
	- Products and Materials Specification	33%	58%	8%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	0%	25%	75%	0%	0%	0%
	- Conferences	8%	42%	42%	8%	0%	0%
	- Literature and Publications	67%	25%	8%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	42%	33%	25%	0%	0%	0%
	- Materials and Products Showcases	17%	42%	33%	8%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	33%	67%	0%	0%	0%	0%
	- Professional Bodies / Chambers of Architects	17%	25%	42%	8%	8%	0%
	- Private Enterprises and Consultants	25%	42%	25%	8%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	42%	50%	8%	0%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	0%	33%	58%	8%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	42%	58%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	42%	33%	17%	0%	8%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	33%	33%	25%	8%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	25%	67%	8%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	42%	33%	25%	0%	0%	0%
	- Renewable Energy Systems	25%	50%	25%	0%	0%	0%
	- Occupant Comfort and Well-Being	33%	58%	8%	0%	0%	0%
	- Ecological Management of Resources	42%	50%	8%	0%	0%	0%
	- Social Sustainability	42%	42%	17%	0%	0%	0%
	- Other						

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	33%	42%	17%	8%	0%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	58%	42%	0%	0%	0%	0%
	- Chambers of Architects	33%	33%	33%	0%	0%	0%
	- Universities	42%	42%	17%	0%	0%	0%
	- Private Clients	50%	33%	17%	0%	0%	0%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	50%	33%	8%	8%	0%	0%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	25%	33%	33%	8%	0%	0%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	42%	42%	17%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	33%	58%	8%	0%	0%	0%
	- Minimisation of Carbon Emissions	8%	33%	58%	0%	0%	0%
	- Aesthetical Appearance	50%	33%	8%	8%	0%	0%
	- Occupant Comfort and Well-being	50%	42%	8%	0%	0%	0%
	- Financial Incentives (e.g. grants)	50%	33%	17%	0%	0%	0%
	- Ecological / Ethical issues	25%	25%	33%	17%	0%	0%
	- Other						
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	17%	42%	33%	8%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	25%	67%	8%	0%	0%	0%
	- Open Workshops and Symposia	25%	33%	25%	17%	0%	0%
	- Exhibitions	17%	67%	17%	0%	0%	0%

Survey for Building Professionals

COUNTRY	United States of America
NUMBER OF SURVEYS ANALYSED	**12**
NUMBER OF SURVEYS PER ROLE	
Junior Architect	**0**
Architectural Assistant	**0**
Architect	**3**
Senior Architect	**9**
Other	**0**

A. SUSTAINABLE ENVIRONMENTAL DESIGN IN THE ARCHITECTURAL CURRICULUM

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
A1	Sustainable Environmental Design represents a core part of the design approach of your practice	92%	0%	8%	0%	0%	0%
A2	Sustainable Environmental Design provides a creative input and inspiration to the designs of your practice	92%	8%	0%	0%	0%	0%
A3	The following areas represent a main priority in the designs that your practice produces:						
	- Passive Environmental Design	92%	0%	8%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	83%	8%	8%	0%	0%	0%
	- Renewable Energy Systems	42%	58%	0%	0%	0%	0%
	- Occupant Comfort and Well-Being	92%	8%	0%	0%	0%	0%
	- Ecological Management of Resources	75%	17%	8%	0%	0%	0%
	- Social Sustainability	42%	33%	17%	0%	8%	0%
	- Other	LEED Coordination; Establishing standards; Biome Design (fusion of sacred and sustainable design); Design excellence and whole building design					
A4	Your practice gives a main priority to Sustainable Environmental Design at the following stages of design:						
	- Outline Proposal and Sketch Design	83%	8%	8%	0%	0%	0%
	- Scheme Design and Planning	83%	8%	8%	0%	0%	0%
	- Detail Design	83%	17%	0%	0%	0%	0%
	- Products and Materials Specification	83%	17%	0%	0%	0%	0%
A5	As a practitioner, the following are useful to provide you information on Sustainable Environmental Design:						
	- Specialised Training	50%	42%	8%	0%	0%	0%
	- Conferences	33%	50%	17%	0%	0%	0%
	- Literature and Publications	42%	50%	8%	0%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	25%	75%	0%	0%	0%	0%
	- Materials and Products Showcases	33%	50%	17%	0%	0%	0%
A6	The following are adequately equipped to provide expert training on Sustainable Environmental Design:						
	- Higher Education / University	8%	50%	25%	17%	0%	0%
	- Professional Bodies / Chambers of Architects	8%	50%	33%	8%	0%	0%
	- Private Enterprises and Consultants	17%	58%	17%	8%	0%	0%

B. SUSTAINABLE ENVIRONMENTAL DESIGN IN EDUCATION AND PROFESSIONAL DEVELOPMENT

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
B1	Architects in your country are conscious about the importance of Sustainable Environmental Design	17%	50%	25%	8%	0%	0%
B2	When employing architects/graduates your practice requires skills in Sustainable Environmental Design	42%	25%	33%	0%	0%	0%
B3	Sustainable Environmental Design should be included in the curricula of architectural education	92%	8%	0%	0%	0%	0%
B4	Competence in Sustainable Environmental Design should be required for professional registration	67%	25%	0%	0%	8%	0%
B5	Is it important that Chambers of Architects organise CPD courses in Sustainable Environmental Design	42%	50%	8%	0%	0%	0%
B6	According to the experience in your practice, more information is required by architects in these areas:						
	- Passive Environmental Design	67%	33%	0%	0%	0%	0%
	- Energy Efficiency and Carbon Neutrality	75%	25%	0%	0%	0%	0%
	- Renewable Energy Systems	67%	8%	25%	0%	0%	0%
	- Occupant Comfort and Well-Being	58%	33%	8%	0%	0%	0%
	- Ecological Management of Resources	58%	25%	8%	8%	0%	0%
	- Social Sustainability	42%	42%	17%	0%	0%	0%
	- Other	Whole building design; Life cycle toxicity of materials; Use of rating systems; Integrated thinking and interdisciplinary design teams; Biome design					

C. SUSTAINABLE ENVIRONMENTAL DESIGN IN REGULATION AND CLIENTS REQUIREMENTS

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
C1	Regulations in your country adequately support Sustainable Environmental Design in practice	0%	8%	42%	33%	17%	0%
C2	The following can support the implementation of Sustainable Environmental Design in practice:						
	- Governmental Institutions	75%	25%	0%	0%	0%	0%
	- Chambers of Architects	50%	33%	8%	8%	0%	0%
	- Universities	58%	33%	8%	0%	0%	0%
	- Private Clients	58%	33%	0%	0%	0%	8%
C3	Your public clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	17%	50%	8%	0%	0%	25%
C4	Your private clients regard Sustainable Environmental Design as an opportunity beyond meeting regulations	17%	75%	0%	0%	0%	8%
C5	The following objectives are important for your clients in the formulation of their briefs and requirements:						
	- Reduction of Investment/Capital Cost	42%	33%	25%	0%	0%	0%
	- Reduction of Running Cost (energy efficiency)	50%	50%	0%	0%	0%	0%
	- Minimisation of Carbon Emissions	17%	42%	17%	25%	0%	0%
	- Aesthetical Appearance	67%	25%	8%	0%	0%	0%
	- Occupant Comfort and Well-being	58%	33%	8%	0%	0%	0%
	- Financial Incentives (e.g. grants)	27%	27%	27%	9%	0%	9%
	- Ecological / Ethical issues	25%	58%	0%	8%	8%	0%
	- Other	Consequences for future generations					
C6	The general public could be better informed on Sustainable Environmental Design via the following:						
	- Advertisement (e.g. brochures)	8%	42%	42%	8%	0%	0%
	- Web Sites and Media Coverage (e.g. articles, TV)	67%	8%	25%	0%	0%	0%
	- Open Workshops and Symposia	42%	33%	25%	0%	0%	0%
	- Exhibitions	42%	33%	25%	0%	0%	0%