



GUIDELINES FOR MEASURING CULTURAL PARTICIPATION

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1. MEASURING CULTURAL PARTICIPATION IN WESTERN COUNTRIES

1.1 Measuring cultural participation in Europe

The leadership group on cultural statistics (LEG-Culture) was set up by the Statistical Programme Committee in March 1997 in response to a request from Member States with a mandate for building up a system of coherent and comparable information at EU level that could contribute to a better understanding of the links between culture and socio-economic development.

Member States asked to work in this area because of the lack of cultural statistics at EU level that was raised in various international fora (Paris, June 1995; Madrid, October 1995; and Urbino, May 1996) since 1995.

As a follow-up to these meetings of national experts in cultural statistics, the Council adopted, on 20 November 1995, a resolution on the promotion of statistics on culture and economic growth. This called on the Commission, in close co-operation with Member States, "to ensure that better use is made of existing statistical resources and that work on compiling cultural statistics proceeds smoothly".

In response to a request from Member States, namely Italy and France, the leadership group on cultural statistics (in the following LEG) was set up by the Statistical Programme Committee in March 1997. Financial support was guaranteed by the then Directorate-General XXII of the European Commission (currently DG Education and Culture). The LEG was given the status of a three-year pilot project with a mandate for building up, at EU level, a system of coherent and comparable information that could contribute to a better understanding of the links between culture and socio-economic development.

The LEG produced its final report in 1999 (European Commission, 2004a) presenting the approach followed, the main results and conclusions of the work done during the three years.

Even though in November 1999 the Statistical Programme Committee has adopted the conclusions and recommendations of the LEG, harmonised information in the Member States is still lacking. Up to now, each Member State uses different types of surveys with different periodicities to collect data on this domain and the objective to have yearly harmonised data at EU level is still far from being achieved.

To date, the only source of harmonised data on Europeans' cultural involvement and their participation in different cultural activities are two Eurobarometer surveys carried out in 2001 and 2003 at request of the European Commission.

1.1.1 Cultural domains

The task of the LEG was not easy. The necessity to define a common basic framework entered into immediate conflict (at the theoretical level) with the inherent complexity of the subject and (at the practical level) with methods, traditions and interests that differed according to each of the participating countries.

The obvious starting point was the Framework devised by UNESCO in 1986 which proposed a classification of the categories to be considered when producing cultural statistics.

The LEG modified this framework. The inclusion or exclusion of certain areas in the LEG's common field was only partly a matter of theory. The first target was to select real cultural domains which could be not only analysed and compared but, more importantly, inserted into an operational framework which national and European policymakers could use immediately.

The modifications of the UNESCO framework thus resulted, firstly, from a practical choice and, secondly, from an effort to adapt the new conceptual framework to a fast-changing situation, at the same time trying to preserve a degree of compatibility among the interests of the different countries.

The revision of the UNESCO categories thus obeyed the need for consensus. Sport, environment, advertising, fashion, languages and games were excluded; visual arts were grouped together into a single visual arts category; and new domains such as architecture and new media were introduced.

Eight domains were chosen to act as a reference frame for the LEG's work:

- | | |
|--|--|
| <p>1. Artistic and monumental heritage:</p> <ul style="list-style-type: none">○ Historical monuments○ Museums○ Archaeological sites○ Other heritage <p>2. Archives</p> <p>3. Libraries</p> <p>4. Books and press:</p> <ul style="list-style-type: none">○ Books○ Newspapers and periodicals <p>5. Visual arts:</p> <ul style="list-style-type: none">○ Visual arts (incl. design)○ Photography○ Multidisciplinary | <p>6. Architecture</p> <p>7. Performing arts:</p> <ul style="list-style-type: none">○ Music○ Dance○ Music theatre○ Drama theatre○ Multidisciplinary○ Other (circus, pantomime, etc.) <p>8. Audio and visual media/multimedia:</p> <ul style="list-style-type: none">○ Film○ Radio○ Television○ Video○ Audio records○ Multimedia |
|--|--|

1.1.2 Types of cultural participation

In the cultural domains defined above, three fundamental types of participation behaviours are identified:

- attending/receiving
- performance/production by amateurs
- interaction

“Attending/receiving” occurs when there is a communicational process between external sources of information and a receiving subject. From a statistical point of view, it is useless to try to distinguish between an “active” or “passive” attending/receiving. This is a

psychological and motivational problem that is out of the aims and possibilities of a statistical approach to participation in cultural activities.

“Performance/production by amateurs“ involves subjects that build up or create material or nonmaterial cultural products, either for an audience or for a private pleasure or aim, either in organized or in not organized context (for example musical or theatre performances, handicraft, but also amateur activities that are very widely disseminated among people). Professional practices are excluded here.

The “interaction“ process is defined as a continuous feedback flow of communication between an external source and a receiving subject. The information and communication technologies are an example of interactive cultural participation. Through these technologies, the receiving subject is able to re-elaborate the messages and send them in a new form to the original source, building a new form of dialogue totally absent in traditional media. So, although we can say that in every kind of attending and reception of messages there is interaction, we face a new concept of interaction, a concept that puts in light a higher level of possibility for the receiving subject to change the forms and the contents of the material received from the source. Reading a book involves interaction in the reader's mind but not on the book while, when multimedia products are used, there is a new form of interaction, due to the fact that the receiving subject can change what s/he is reading, seeing, receiving.

The LEG proposed a general framework (see **Table 1.1**) – crossing the eight cultural domains with the three specific types of participation – to be used as a guideline to design a harmonised set of questions and of indicators for measuring cultural participation in Europe.

1.1.3 Eurobarometer surveys

To collect harmonised data on Europeans' participation in cultural activities and to experiment the applicability of the results of the LEG, the European Commission asked Eurobarometer to carry out two surveys implementing the list of questions and indicators designed using the framework of the LEG.

The first survey (in the following EU 56.0) was carried out during September 2001 at request of Eurostat by the European Opinion Research Group, a consortium between INRA (EUROPE) and GfK Worldwide, and was addressed to all EU countries. The results of this experiment have been published in April 2002¹.

The second survey (in the following EU 2003.1) – addressed to candidate countries – was carried out during the early spring of 2003 by the Gallup Organization Hungary at the joint request of the European Commission Directorate General for Press and Communication and Directorate General for Education and Culture.

The results of both these surveys are available on the Eurostat Education, Training and Culture statistics CIRCA site at the address:

<http://forum.europa.eu.int/Public/irc/dsis/edtcslibrary?l=public/culture/eurobarometerssurveys>

¹ Eurobarometer (EB56.0), "Executive Summary: Europeans' participation in cultural activities". Available at: http://europa.eu.int/comm/public_opinion/archives/eb_special.htm.

Both Eurobarometer surveys implemented the questionnaire designed by the LEG, giving a harmonised description of participation of Europeans in different cultural activities.

Table 1.1 General framework of the LEG for measuring cultural participation

DOMAINS	SPECIFIC TYPES OF BEHAVIOURS FOR PARTICIPATION		
	Attending receiving	Performance amateur production	Interaction
Cultural Heritage			
- <i>Historical monuments</i>	visiting museums		
- <i>Museum</i>	visiting archaeological sites	being an amateur collector, archaeologist, historian etc.	"virtual visits" to museums, monuments and archaeological sites
- <i>Archaeological sites</i>	visiting monuments		
- <i>Others</i>			
Archives	use of archives	being an amateur genealogist	use of archives via Internet
Libraries	use of libraries		consulting catalogues by telemetric instruments, Internet use of libraries
Books and Press			
- <i>book</i>	reading books	writing as an amateur novels, short stories, poems, diary	using e-books
- <i>press</i>	reading newspapers, magazines	writing as an amateur newspaper articles etc.	using press on Internet using press on CD-ROM
Visual arts			
- <i>Visual arts (inc. design)</i>	visiting exhibition	making film, photo	"virtual visits" to exhibitions
- <i>Photography</i>		painting	
- <i>Multidisciplinary</i>		acting in multidisciplinary performance	
Architecture	visiting an architecture exhibition		"virtual visits" to exhibitions
Performing arts			
- <i>Music</i>	visiting concert	playing, composing, singing	
- <i>Dance</i>	visiting ballet/dance	dancing	
- <i>Musical theatre</i>	visiting opera		Use of Internet for information about performing arts, "virtual visits" to venues, etc.
- <i>Theatre</i>	visiting theatre	acting	
- <i>Multidisciplinary</i>	visiting multidisciplinary performance		
- <i>Other arts</i>	visiting other shows		
Audio and audio-visual / multimedia			
- <i>cinema</i>	visiting cinema		general use of multimedia
- <i>radio</i>	listening radio		use of "new television"
- <i>television</i>	watching television	recording and making own audio or video	
- <i>video</i>	watching videocassettes	cassettes, cd-roms, dvd	
- <i>sound recordings</i>	listening to music		
- <i>multimedia</i>			

1.1.3.1 Main indicators

The Eurobarometer surveys cover the population aged 15 years and over living in each Member State and Candidate Country. The questionnaire implemented the conclusions of the LEG, collecting information on the following domains²:

- possession of various objects and equipment of cultural relevance;
- television;
- radio;
- computer and Internet usage;
- reading habits;
- music and concerts;
- cultural activities;
- artistic activities.

These surveys are designed to give – for each indicator – a separate estimation for each country and to calculate the Member States average (EU-15 average) and the average for Candidate Countries (CC-13 average).

For EU-15 average and CC-13 average, it is also possible to breakdown each indicator for the following demographic variables:

- Gender
- Age bands (15-24, 25-39, 40-54, 55+)
- Terminal education age
 - respondents who left school at age 15 or younger
 - respondents who left school at ages 16 to 19
 - respondents who stayed in school until they were aged 20 or older
- Main economic activity scale
 - Self-employed
 - Managers
 - Other white-collars
 - Manual workers
 - House persons
 - Unemployed
 - Retired
 - Still studying
- Size of locality
 - Rural area or village
 - Small- or middle-sized
 - Large town

The possibility to go in depth in the analysis of the socio-demographic differences is very important in order to understand the factors that influence participation in cultural activities.

² See Appendix B for details on the information collected.

One of the biggest limits of the Eurobarometer surveys is in fact that the analysis of the socio-demographic differences is possible only at the level of EU-15 and CC-13 average. Due to the small sample sizes (*see Appendix A for details*), it is impossible to breakdown for socio-demographic variables an indicator for a specific country. For example, we can measure the differences between Internet usage of male and female in EU-15, but we cannot conclude in which country there are the biggest gender differences.

1.1.3.2 Methodology

The two Eurobarometer surveys on Europeans' participation in cultural activities were carried out with an identical methodology.

These surveys cover citizens of each of the Member States (EU 56.0) and Candidate Countries (EU 2003.1) aged 15 and over.

The basic sample design applied is a multi-stage, random (probability) one. In each country, a number of sampling points were drawn with probability proportional to population size (for a total coverage of the country) and to population density.

For doing so, the points were drawn systematically from each of the "administrative regional units", after stratification by individual unit and type of area. They, thus, represent the whole territory of the Member States and Candidate Countries Region, according to the Eurostat NUTS 2 or equivalent regions and according to the distribution of the resident population of the respective nationalities in terms of metropolitan, urban and rural areas. In each of the selected sampling points, a starting address was selected at random. Further addresses were selected as every Nth address by standard random route procedures, from the initial address. In each household, the respondent was selected at random.

All interviews were face-to-face in people's home and in the appropriate national language. In countries with significant minorities, the respondents had a chance to respond in their mother tongue (for example in Estonia, Latvia and Lithuania in Russian, and in Romania in Hungarian).

For each country a comparison between the sample and the Universe was carried out. The Universe description was derived from population data from Eurostat for Member States and from national statistics for Candidate Countries.

For all countries a weighting procedure, using marginal and intercellular weighting, was carried out, based on this Universe description. This iteration procedure takes into account, for all countries, gender, age, region NUTS 2, settlement size, household size, and education level. For EU-15 average, INRA (EUROPE) applies the official population figures as provided by Eurostat; for CC-13 averages, Gallup applies the official population figures as provided by national statistics³.

³ See Appendix A for the total population figures used in the post-weighting procedure.

1.1.4 Evaluation of Eurobarometer surveys

Eurobarometer surveys have the advantage of being very flexible tools and giving harmonised results in a very short period of time. They represent an important starting point for further development.

These surveys were very useful to test the applicability of the questionnaire and the usefulness of the policy designed by the LEG. Moreover, the fact that the LEG questionnaire on cultural participation has been translated and is now available in all the different languages of the Member States and Candidate Countries represents a very important know-how for further experiments.

Nevertheless, the use of Eurobarometer surveys to collect data on cultural participation in Europe presents some problems. The Italian results from the Eurobarometer survey were compared with those produced by an official survey carried out by Istat showing that Italian data from the Eurobarometer survey were systematically higher than those of the Istat survey. The differences were caused mainly by the fact that in the Eurobarometer sample there was a higher percentage of young high-educated people with respect to the Istat sample that biases positively all indicators of cultural participation (European Commission, 2004b).

This problem is probably due to the fact that Eurobarometer fixes the sample size à priori and substitutes all individuals that refuse the interview, thus provoking an auto-selection of respondents. Elderly low-educated people – that more easily refuse an interview on cultural habits – are substituted with young high-educated people that have higher levels of cultural participation.

This and other methodological aspects should be investigated more in depth.

On the other hand, the questionnaire designed by the LEG and adopted by Eurobarometer is too centred on a European concept of cultural participation. To extend the measurement of this phenomenon to developing countries, it is necessary to reflect on the cultural domains that should be considered.

The core set of harmonised indicators identified by the LEG excludes important domains like sport, games, recreational activities and crafts.

1.2 Measuring cultural participation of ethnic minorities in western countries

1.2.1 Introduction

Since the 1960s, an interest for cultural participation has been associated with a notion that could be defined as an “ideology of democratization” (Provonost, 2002, 2). In this sense, cultural statistics cannot be considered as a perceptive, neutral or purely scientific interest. They would rather meet the requirement to single out eventual discriminations in cultural access, as well as suggest to public policy authorities means to eliminate those discriminations.

With this end in view, two noticeably different study approaches became firmly established: one of them focused mainly on cultural consumption, the so-called “elite” (visiting museums, classic music concerts, etc.) and the other aimed at expanding the concept of cultural consumption through including different forms of culture as compared to those traditional ones (ibid, 3).

Lately the nations of the first world have come to know forms and levels of multi-culture and multi-ethnicity that previous generations could not even imagine. During the post-war period, the subject of pluralism as well as that of the respect towards cultural diversities, was considered based on an international rather than intra-national approach (Stenou, 2004). In other words, the relationship between different cultures was an aspect of relations between different states, that, both from political and socio-cultural points of view, were conceptualized as units, regardless of their inner diversity. Major social transformations associated with complex trajectories of migratory fluxes exposed this initial statement to crisis having shifted the focus from tolerance between societies to the tolerance inside them (even more faceted and multi-ethnic).

In this new situation compliance with the tendency that stirred up the first surveys on cultural consumptions (ideology of democratization) would mean in-depth studies on cultural participation of ethnic minorities firmly settled in western countries.

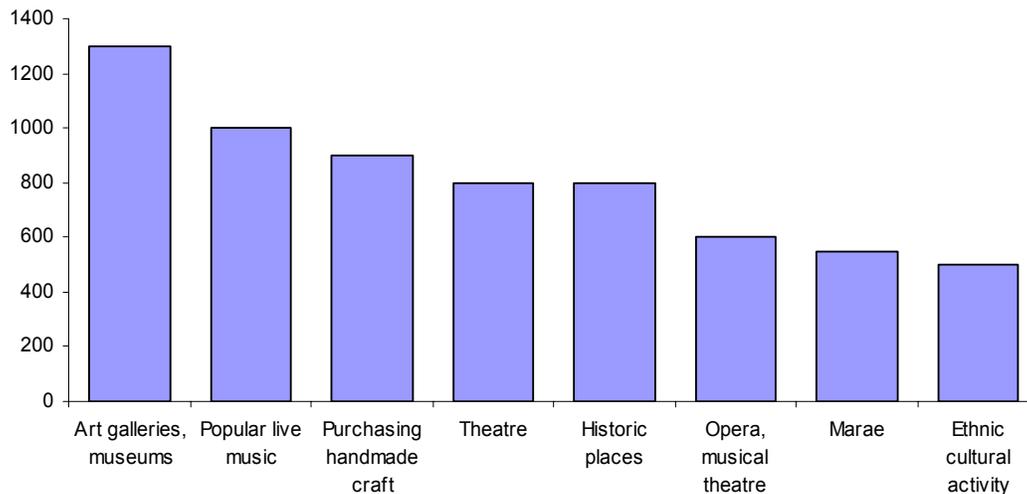
1.2.2 *Limits and perspectives of the existing experience*

As far as defining the cultural consumption concept, the requirement could be met through adequate adoption of the second above-stated approach, i.e. through inclusion in the concept of cultural consumption the forms of culture alternative to traditional ones. Emphasis on cultural participation with limited attention to typically western forms of culture could actually result in systematic understatement of the importance of culture in daily life of those belonging to societies with living conditions and cultural traditions differing to a great extent from ours. Under the circumstances, redefining cultural participation as a survey problem would involve re-molding the classification both of cultural activities and possible forms of participation (Glade, 2003; Madden, 2004).

However, consideration of the subject of ethnic differences in cultural participation survey does not merely mean inclusion of cultural activities different from those traditional ones. An ulterior trend of interest is constituted by the analysis of the ethnic group as a social and demographic factor of different levels and forms of cultural participation.

From this point of view, the experience of New Zealand could serve as a model. In the *Cultural Experience Survey* of 2002, the National Institute of Statistics of New Zealand pieced together information on cultural experience of citizens having added to traditional activities like reading, TV watching or going to concerts of various types a detailed list of cultural activities typical of Māori culture. In the presentation of results, the participation rate of New Zealanders in those activities was aggregated in the category “Ethnic cultural activities” and systematically cross-tabulated with the main social and demographical characteristics of interviewees. For a detailed review of the results of these analyses, see Ongley (2003); we can observe that the interest shown in New Zealand for cultural activities identified as “ethnic” is spread almost like the interest for opera or musical and theatre plays. Thus, the case in point is that the ethnic cultural participation is drawing attention of social scientists (see *Figure 1*).

Figure 1.1 Adults experiencing most popular cultural activities (000's)



Source: Ongley, 2003.

While exploring another way of studying ethnic groups and culture, a relation was established between ethnic affiliation of individuals and certain cultural participation patterns to analyse an extent of assimilation by minorities with trends proper for dominant ethnic groups, single out eventual discriminations in the access to cultural activities, as well as to reshape the causes of such discriminations, e.g. it was proved that low cultural participation level of Māori is due to the lack of time firstly and only in the second place could be explained by the lack of information or insufficient geographical distribution of cultural activity centers (ibid, 12).

Cohabitation of different ethnic groups is one of the core features of the United States society. Therefore, it is quite likely for U.S. official statistics to systematically use ethnic group affiliation as a fundamental category for demographical and social analyses. On the website of the U.S. Census Bureau, a number of web pages could be found with in-depth statistical analyses on Hispanics, Afro-Americans, population of Asian origin, natives of Hawaii or other islands in the Pacific ocean, native Americans, etc⁴. For all of these communities, data relevant to territorial distribution, economic conditions and other specifically social aspects have been produced. Reviewed social characteristics cover a very heterogeneous group of themes like age structure, fertility, education, health, territorial mobility and voting. However, there is no specific reference to cultural participation within this wide range of subjects.

As compared to activities carried out in the United States, Canada shows great interest in the subject of cultural participation of ethnic minorities. The National Institute of Statistics in Canada has been producing two periodicals: *Canadian Culture in Perspective: A Statistical Overview* and *Focus on Culture* where monographs based on data from the *Culture Statistics Program* are published. Up to date, this program has been mainly focused on creation of culture rather than on cultural participation. It is possible to come across interesting references and analyses on cultural participation taking into account some different ethnic affiliations especially in *Canadian Culture in Perspective*.

⁴ See <http://www.census.gov/pubinfo/www/hotlinks.html>

However, these studies seem a specific manifestation of a general sensitivity to the subject of ethnic affiliation. In 2004, the Canadian Institute of Statistics arranged a symposium dedicated to perspectives and challenges posed by statistical surveys on ethnic minorities (Bizier, Kaddatz and Laroche, 2004).

In the meantime, what is happening in Europe? With the exception of official British statistics, the situation is everything but comforting. There could be found a notable interest of British scientists towards the role of ethnic affiliation in determining the forms and levels of cultural participation. In July 2003, the National Institute of Statistics in Great Britain published a preliminary analysis of data collected as a result of the *Time Use Survey* of 2000 (Sturgis and Jackson, 2003). Potential affiliation to an ethnic minority was included (alongside with traditional social and demographical variables) in a logistic regression model tending to single out factors that have a major effect on intensity of cultural participation. It could be noticed that specific ethnic group of affiliation were not considered in this analysis: only the generic belonging to any of ethnic group of minority was spotted. (ibid, 13). Multivariable analysis emphasised that ethnicity did not noticeably affect the levels of cultural participation.

The above-stated analysis should not be considered as an individual case; analysing data relevant to *Sport and Leisure of General Household Survey* conducted in Great Britain in 2002, Fox and Rickards (2004) attempt an in-depth review of the influence of ethnic affiliation on the level of cultural participation (see **Table 1.2**) and, unlike Sturgis and Jackson, bring into focus specific situations of different ethnic minorities. For example, data produced show that keeping under statistical control the age factor a particularly low tendency to attend so-called “elite” performances is registered on Pakistani and Ceylonese.

Table 1.2 Participation in at least one specialized leisure activity in the 4 weeks before interview, by ethnic group: age-standardized. Persons aged 16 and over. Year 2002.

Leisure activity	Ethnic group									
	White british	Other white	Mixed back- ground	Indian	Pakistani and Ban- gladeshi	Other Asian back- ground	Black Carib- bean	Black African	Other black back- ground	Other ethnic groups
At least one specialized leisure activity*										
Observed %	25	27	35	17	15	16	29	32	55	31
Expected %	25	27	30	27	29	27	25	28	27	28
Standardized ratio	101	103	119	62(a)	52(a)	57(a)	116	117	199(a)	112
Weighted base (000's)=100%	37.496	1.349	277	581	496	216	437	363	68	499
Unweighted sample	13.375	445	90	204	165	71	142	110	22	158

* Comprises singing/playing an instrument, dancing, painting, writing stories/poetry and performing in a play
(a) Ratio significantly different from 100 (p<0.05)

However, it should be specified that in both of the reviewed surveys no attempt was made to classify forms of cultural participation through introduction of specifications associated with culture of ethnic minorities present in Great Britain.

In France, the relationship between ethnic groups and cultural participation fails to reflect a consolidated interest within official statistics. One of the few signs of this interest could be found in a working document where the influence of some traditional social and demographical characteristics (sex, age, education level, social and economical status, family status) on cultural and sporting participation (Muller, 2005) is studied. In classification of musical genres followed by the French there is a reference to ethnic music in a very general sense (reggae, salsa, etc.), while no interest is shown towards ethnic affiliation as a social characteristic that could influence the levels and forms of cultural participation.

Not even Denmark, Germany or the Netherlands seem to have launched any survey programmes on cultural participation of ethnic minorities at least in the framework of official statistics. When dealing with the cultural subject, the German Institute of Statistics seems to be predominantly aimed at conducting analysis on culture-related organizations and institutions, as well as on public funding of cultural activities. Obviously enough, there is no systematic interest in cultural statistics concerning citizens' cultural participation.

Researchers of the Danish Institute of Statistics show a vivid interest both to ethnic diversity and cultural participation, although treating them as two separate subjects. In the *Statistical Yearbook* (publication with a periodic analysis on some priority-driven social and economical subjects) there is a section dedicated to Faroe Islands and Greenland; the two communities are methodically compared in this section with Denmark based on some classic indicators like employment ratio, fertility, age structure. No reference to cultural participation is made. There is an in-depth study of culture and education in the same publication; any systematic intention to distinguish activities based on ethnic matrix of origin is absent in the classification of cultural activities.

Like some other national institutes of statistics, the Dutch Institute allows to review data on utilization of time in the on-line mode⁵. Cultural activities with data to refer to are arranged based on traditional classification with no provision made for specific references to ethnic diversities: concerts (pop and classic), theaters, cinema and museums. Also, there is no ethnic group of affiliation among social and demographical characteristics which could be used to work out contingency tables.

Up to this point, the focus has been predominantly on the countries of the first world experiencing or having already experienced immigration periods. However, it could be interesting to trace how the subject of cultural participation of ethnic minorities is dealt within the countries (like New Zealand considered above) that, even if they are not reached by migration movement, are characterised by a complex social setting. In countries like Spain, Turkey and South Africa, social, cultural and political dynamics are deeply affected by cohabitation among populations/communities historically and aspiration-wise differing drastically from one another, and in some cases (like in the case of Spain) undergoing autonomous thrusts.

⁵ See <http://statline.cbs.nl/statweb/start.asp?DM=SLen&LA=en&lp=applet&THEME=3890>

How does this complex situation affect the study of cultural participation? As expected, official Spanish statistics consider the community to which one belongs as an important discriminating variable; as far as economical and social subjects are concerned, the data are disaggregated based on autonomous communities (Basque countries, Galicia, etc.). However, this profound statement does not manifest itself in the studies on cultural participation – the area still to be developed; cultural statistics in Spain have been mainly focused on culture-related organizations and institutions, as well as on public funding of cultural activities.

The same could be said about Turkey: cultural statistics basically analyse the production of books and films, publication of periodicals and diffusion of book stores. When the focus is shifted to individual participation, the classification system of cultural activities follow the western distinction between elite and mass cultures, and ethnic affiliation is not considered as a potential discriminating factor for the access to cultural proposal (AA.VV., 2005).

1.2.3 Conclusion

To conclude this *excursus* on the institutes of statistics in the countries of the so-called first world, it could be worth to review the way the subject of cultural participation of ethnic minorities is dealt with. Obviously, the review requires the prudence necessary when a study is in its exploratory stage and relies on empirical data obtained not a systematic method. One could think of the next stage of this work in which the concept of official statistics is made clearly explicit and operative and the interest towards cultural participation is evaluated and classified based on a survey form. However, some recurrent aspects, although resulting from an impressionistic preliminary survey, enable me to make some provisional evaluations.

Should the subject of ethnic differences be reviewed in statistic studies on cultural participation, we shall find ourselves only at the initial point of a long and uneven process. Almost all the countries of the first world reviewed here have a noticeable immigration background or could be characterised by a society based on cohabitation of ethnic groups with solid identity. However, in many of these countries an ethnic affiliation is not taken into consideration as a potential factor to affect the levels and forms of cultural participation.

As it was traced earlier, New Zealand and Great Britain are the best exceptions to this general lack of interest. Two different approaches can be found in official statistics of the two countries: on the one hand, “ethnicity” is reviewed as a two-class variable (belonging to a majority ethnic group/belonging to a minority ethnic group) and used in multivariate analysis alongside with traditional social and demographical variables: sex, age, education, employment, etc.; on the other hand, in-depth studies were attempted to specify more and more the conditions of ethnic minorities through analyses aimed at studies of the forms and levels of cultural participation experienced by different ethnic minority groups.

If ethnic affiliation appears as a potential independent variable in explanatory models of cultural participation, official statistics will show more resistance to consider the subject of ethnic differences as a criterion to work on definitions and classifications of cultural participation. With some exceptions, classifications used in the study of cultural participation derive from the traditional categories of western culture, as well as from the

classic distinction – prerequisites of which were stated above in this document – between elite and mass cultures.

Therefore one could say that generally some sensitivity has been developing towards the level of cultural participation of ethnic minorities, but unfortunately in this case cultural participation is intended in a restrictive sense: i.e. participation in western culture. However, the few exceptions to this general tendency are not always substantial: as it was seen above, when communicating data on the forms of cultural participation, the Institute of Statistics in New Zealand mostly groups in a single class the whole of ethnic cultural activities.

Finally this exploratory study could give a risk warning; the risk of replicating a western-oriented definition of culture in a social context different from western one, a definition that should be thoroughly reviewed to become explicable in non-western Countries. Actually the homogeneity of the classification of cultural activities in western countries could make this classification predetermined, and, for the sake of comparability, risks in ending up merely formal. One of the core risks associated with such statement lies in underestimation of cultural participation levels merely due to unavailability of necessary instruments to perceive it.

2. MEASURING CULTURAL PARTICIPATION IN NON-WESTERN COUNTRIES: CASE STUDIES

2.1 Bhutan

2.1.1 *The statistical system of Bhutan*

The National Statistical Bureau (NSB) of the Royal Government of Bhutan produces most of the statistics in Bhutan and is a key office for developing the production of data on culture. Currently, however, there is no integrated national statistical system in Bhutan.

The NSB is in charge for collecting and validating data from all Government, corporate, and private agencies as well as for carrying out sample surveys like the Bhutan Living Standard Survey (BLSS). Other important data collections are carried out by various offices like for example the Census Bureau (that carried out the last census) and the Ministry of Labour and Human Resources that is in charge of the Labour Force Survey. However, the NSB staff is deeply involved also in these activities as it is seconded to these institutions.

The overall staff of the NSB consists of 41 people which according to the director are not sufficient for the tasks the Bureau is responsible for. More resources are in particular needed to work with data collection and analysis for the social sector.

The National Statistical Bureau is in the process of developing a database that will be used to store all the data produced by the office. This project is undertaken with the support of the Asian Development Bank (ADB) who also provides technical assistance for other aspects of NSB's work. Two main goals will be achieved with the establishment of this database: a) it will become possible to publish time series data, and b) information produced by the NSB will be accessible on-line.

No establishments survey has yet been undertaken in Bhutan and the informal character of the management of small cottage or household enterprises also means that these businesses are run without book keeping and cannot report accurate financial information for their production activities.

There is, however, some information available on industries – as published (since 1987) in NSB's annual report "National Accounts Statistics of Bhutan". The main objective of the report is to measure the annual economic performance of the country. The report presents the estimate of Gross Domestic Product (GDP) and related macro-economic aggregates like domestic consumption, investments, saving, etc. The data are collected by NSB from different Government organizations and private agencies and then validated.

The 2004 edition of the *National Accounts Statistics of Bhutan* was revised to bring the estimates in line with the United Nation System of National Accounts 1993 (SNA 93). The report publishes recent information available in line with the indication of SNA 93; in addition some sectors were further disaggregated into sub-sectors and presented separately in order to provide the users with more meaningful information.

The sectors and sub-sectors considered in the report include: agriculture; mining and quarrying; manufacturing; electricity and water supply; construction; wholesale and retail trade; restaurants and hotels; transport, storage and communication; finance; insurance and real estate; community and social services (government); private social and recreational services.

The NSB has also since 1987 published the *Statistical Yearbook of Bhutan*, a comprehensive and systematic compendium of basic statistical information on Bhutan, covering a wider range of statistics than the *National Accounts Statistics of Bhutan*, which similarly are derived from secondary data coming from various sources.

At the moment it is not possible for NSB to produce comparisons over time but with the development of a database system for the storage of the statistical data produced by the same NSB this will become possible.

The domains in the *Statistical Yearbook of Bhutan* cover population; health; education; human resources; land use and agriculture; industries; transport and communication; energy; tourism; foreign trade and balance of payments; money, banking and finance; public finance; plan outlays; gross domestic product; prices; crime.

Labour statistics have been collected since 1998 through a Labour Force Survey. This important survey was repeated in 2000 by the NSB. The third round of the Labour Force Survey (2001) was conducted by the Department of Employment and Labour. The fourth and the fifth round were carried out by the Department of Employment of the Ministry of Labour and Human Resources in 2003 and 2004, respectively. At the moment the future of this survey is uncertain and it is unclear whether the survey will be repeated or not. It may be more productive to integrate the labour survey with other surveys undertaken by the NSB.

As the survey has only been carried out once a year, it is not possible to estimate seasonal effects in the labour market.

Several recent activities have contributed to the upgrading of the national statistical capacity, as well as the compilation of important information. The most important of these is perhaps the undertaking of the Bhutan Living Standard Survey (BLSS) – a nation-wide survey of households carried out by the NSB in 2003. The BLSS followed the LSMS⁶ methodology developed by researchers at the World Bank (Grosh and Muñoz, 1996) and was carried out with the technical and financial support of the Asian Development Bank (ADB). The survey was carried out in the framework of a technical grant between ADB and NSB for the improvement of the statistical system of Bhutan. The main scope of this grant was to develop the technical capabilities of the NSB. The BLSS survey was carried out by NSB staff trained by ADB consultants who also supervised the different phases of the survey.

⁶ See: <http://www.worldbank.org/LSMS/manage/manual.html>

The NSB plans to repeat the survey in 2008. The new round will hopefully be financed by the government funding in recognition of the importance of the kind of data collected with this survey. It is difficult to evaluate the quality of the data without a deeper study but the response rate is an impressive 97% and the NSB seems very keen on improving the quality of the data in the next round of the survey.

The Bhutan Living Standard Survey 2003 was an improved version of the Pilot Household Income and Expenditure Survey (HIES) carried out in 2000.

The BLSS was designed to collect information on household consumptions expenditure in order to assess people's well-being and to construct a poverty line for the country. Moreover, BLSS collected data on housing, employment, health status, fertility, education, access to public facilities, assets ownership, services provision, and prices of various commodities. The questionnaire form which is reprinted at the back of the publication indicates that the data is considerably richer than what is included in the publication.

The geographical coverage extended over the entire area of Bhutan except for two rural areas that were excluded for security reasons. The population coverage included all households in the country except for diplomatic and expatriate households; members of cohabitation situations (monasteries, nunneries, hospitals, etc.); barracks of military and para-military forces including the police.

In order to establish a representative sample, the entire country was divided into three regions based on the number of households and their geographic location. Each region was divided into seven strata (four urban and three rural). The final sample size for the survey was of 4,120 households.

The survey was carried out by a network of supervisors and enumerators who were trained in all aspects of the survey. This good preparation was reflected in the very low non-response rate of 2.7%.

As the Labour Force Survey only collects information on employed persons, the best source of data on the non-formal sector is probably again the BLSS. The 2003 BLSS questionnaire included questions that made possible to estimate, though very roughly, the percentage of households involved in non-formal cottage or household industries. The 2003 survey included a module (Block 10 – Home-produced non food items) on the production at home of items like textiles, bamboo products, wood products and cane products. The NSB did not publish the results for this module because of the poor quality of the data but the director is convinced that in the next round it will be possible to invest on this aspect to improve the quality of data and to make estimates concerning the amount of home-made products and their value.

As an output of the BLSS, the NSB has also published in 2004 a Poverty Analysis Report. Another major statistical achievement will be the completion of the Population Census, the findings of which will be published in 2006 (previous censuses were taken in 1969 and 1980). One of the main results of the Census will be the creation of a system that links geographical and statistical information. The system will provide a powerful tool for

designing accurate samples which in turn will improve the overall quality of data derived from sample surveys.

In the future, NSB plans to enrich the system with several kinds of data such as the location of enterprises and environmental data. The geographical system will become a powerful statistical tool for planning and monitoring the territory and environment of Bhutan, and for the socio-political development of the country. It could also become a powerful tool in the planning and mapping of cultural industries and in the implementation of cluster strategies.

2.1.2 Statistics on cultural industries

Importantly, culture is not represented as a domain *per se* in any of the surveys or publications mentioned above. According to the Director of NSB, it would be easy to add some statistical data on culture in the next edition of the *Statistical Yearbook of Bhutan* as such data are regularly collected by the Ministry of Home and Cultural Affairs. It seems very important to encourage collaboration between the NSB and the Ministry of Home and Cultural Affairs for the identification of the data available on the cultural domain, with the aim of inserting such data in the next edition of the *Statistical Yearbook of Bhutan*.

As part of the discussion on Gross National Happiness (GNH), attention may also be focused on the cultural domain. Hence, the UNDP has recently commissioned a study to the Centre for Bhutan Studies on the Operationalization of Gross National Happiness. The project aims at assisting the process of incorporating the concept of GNH into the day to day policy making process, among other through the identification of GNH indicators or the Bhutan Development Index. As culture is one of the four pillars of the Bhutanese development policy framework based on GNH, the cultural aspect of GNH will be researched and the intention is to identify indicators for their application to the development process. UNESCO is expected to cooperate in this research. The project is likely to focus on cultural participation as a key issue and it should not be confused with the efforts to produce internationally comparable data on cultural industries that is the goal of the Jodhpur Initiatives Framework for Statistics on Cultural Industries.

The Director of the Centre for Bhutan Studies is considering studying the cultural domain and its role in GNH in Bhutan through a Time Use Survey (TUS). A TUS is probably the best tool to collect information on everyday life. It is, however, both a very expensive survey and a very complex survey that requires very advanced skills in data collection, data imputation and codification and data analysis. To obtain interesting results on new domains it is very important to register the text of the daily diaries written by the interviewed. The text of the diaries represents a very important source of information but it is also very difficult to analyse; and for the specific characteristics of this survey the non-response rate is, in general, very high in particular among the less educated people. It would be very interesting if Bhutan were to undertake this study as it provides information on the cultural domain in non-western non-industrialized societies that could be interesting and relevant not only to Bhutan but also to other countries. However, as the survey is so costly and resource-demanding it would only with difficulty be repeated on a regular basis.

Considering all these problems, I think that the best tool to collect data on cultural participation on a regular base is a simpler survey like the BLLS. I think also that it is perfectly possible to define a-priori the cultural domains that the BLLS should cover with the cooperation of key persons like the director of the centre for Bhutan Studies.

In particular the BLLS will have a crucial role in measuring cultural participation in Bhutan for two main reasons:

- 1) on the methodological point of view this survey is very similar to those carried on at the European level;
- 2) the fact that the questionnaire is composed of different modules makes this survey a very flexible tool for the collection of data on new domains.

Considering these aspects I think it is possible to plan the introduction of a module on cultural participation in the next BLLS in 2008.

The director of NSB considers possible the introduction of a module on cultural participation in the 2008 round of the BLLS but he underlines that a financial support will be necessary. It will be very productive to use the same strategy adopted by the ADB giving at the same time financial resources and training to improve the skills of the staff of the NSB on measuring cultural participation in Bhutan.

2.2 Thailand

2.2.1 *The NSO data collection on cultural participation*

At present, Thailand has a decentralized statistical system. The National Statistical Office (NSO) is the core body. Its role is to collect basic statistical data while other agencies in other ministries and departments also issue their own statistical data which are mostly used for their internal affairs. The NSO coordinates with all the government's agencies as well as with the users to produce statistics according to their needs.

The main duty of the NSO is to produce statistics on the social and economic structure of the country. The NSO carried out about 15 surveys each year and the data are collected according to international statistical standards. The NSO conducts also the censuses.

The NSO acts also as statistical information centre for the whole country while provincial statistical offices act as information centres for the provinces. The results of data collections are available in different formats (both electronic and paper) and are also available on the internet site of the NSO: <http://www.nso.go.th>

The NSO has a long tradition in collecting information on cultural participation. The NSO has carried out three rounds of the Cultural Participation Activities Survey (CAPS) in 1985, 1995 and 2005. Moreover, in 2004 the NSO has carried out also the Time Use Survey (TUS).

The results of these two surveys have been widely used by the government and for this reason the NSO plans to carry out both surveys more frequently. CAPS will be carried on in 2008 and it will be repeated every three years. TUS will be carried on in 2009 and it will be repeated every five years.

The UNESCO Office in Bangkok will provide a translation of the methodological information and of the questionnaire for both surveys (at the moment they are available only in Thai).

2.2.1.1 Cultural Participation Activities Survey

In 1985 and 1995, this survey collected information on cultural participation and religious practise. The main topics covered were:

Religious activities

- Offer food to monk
- Chanting
- Observe religious precept
- Meditation Practice
- Attend sermon
- Dharma reading

Social and cultural activities

- Listening to radio and tapes
- Viewing television
- Viewing cinema
- Reading newspaper
- Reading book and magazine
- Sport and exercise
- Meeting
- Window shopping
- Walking in the park
- Hobby

The sample allowed to breakdown these information for type of area (municipal and non-municipal), sex, age groups, education level and employment status.

In 2005, because of the completion of the TUS, the module on cultural activities was dropped from the CAPS since, in the opinion of the NSO, this information was collected more in detail with the TUS.

The CAPS specialised on collecting information on:

- Religious activities: chanting, offer food to monk, gift for priest, observe religious precept, concentration, attend sermon, Dharma reading, place for listening sermon, prayer at home, prayer at mosque, pilgrim, going to church, money spent for religious activities and charity.
- Type and level of believing.
- Type of behaviour which destroy Thai culture.
- Opinion on how to protect Thai culture.
- Evaluation of owns virtues.
- Opinion about the values of Thai teenagers.

With this transformation the CAPS loses its central role in collecting information on cultural participation. At the moment this survey is centred on religious activities but it gives important information on the opinion of Thai people on issues like Thai system of values and the protection of Thai culture.

2.2.1.2 Time use survey

The TUS has been carried out for the first time in 2004. **Table 2.1** shows the number of people aged 10 years and over involved in cultural activities in one day.

The activities monitored with the 2004 TUS survey are very close to the domains of the LEG framework and great importance is given to mass media and attending/visiting cultural events.

Participation in community celebrations of cultural/historical events (code 621), participation in community rites/events (non-religious) (code 622) and participation in community social (623) are the only activities that are not included in the European framework.

This survey is very useful to explore the domain of cultural participation in depth and in the next round it would be very useful if it would be possible to use this survey to have more details on community activities (code 621, 622, 623).

The results of this survey are difficult to compare with results of other surveys (e.g. Eurobarometer) because of the different reference period. In Europe, all indicators of cultural participation have the last 12 months as reference period. By consequence, no comparison is possible with the data shown in Table 2.1 that use one day as reference period.

To produce data useful for international comparison, Thailand should use the CAPS survey to measure cultural participation according to the 12 months reference period criterion. The TUS survey should be used to analyse in depth specific aspects of this domain.

Table 2.1 Number of population 10 years and over by activities related to cultural participation, sex and area, whole kingdom. Year 2004.

Main Activity	Total		
	Total	Male	Female
J Socializing and community participation	18.678.537	9.882.316	8.796.221
601 Talking, conversing	17.107.192	8.795.067	8.312.126
602 Socializing activities	1.171.561	965.790	205.771
603 Reading and writing mail	9.605	6.558	3.047
604 Unsocial/anti-social	4.799	4.587	212
621 Participating in community celebrations of cultural/historical events	57.567	34.191	23.377
622 Participating in community rites/events (non-religious)	553.892	299.076	254.816
623 Participating in community social	51.992	38.922	13.070
631 Travel related	3.652.574	2.249.627	1.402.947
649 Others	7.168	4.352	2.816
Attending/Visiting cultural, entertainment and sports events/venues	406.065	229.838	176.227
651 Visit museum	20.127	7.424	12.704
652 Attendance at movies	89.589	48.459	41.130
653 Attendance at theatre	5.466	3.867	1.599
659 Attendance at other specified mass cultural events	27.785	12.241	15.545
661 Attendance/visit to zoo, animal park	68.746	42.182	26.564
671 Attendance at professional sports events	11.938	861	11.077
672 Attendance at amateur sports events	95.608	66.453	29.156
681 Travel related	274.569	157.156	117.413
699 Others	12.798	9.020	3.778
L Hobbies, games and other pastime activities	2.964.515	1.877.867	1.086.648
701 Visual arts	54.468	26.892	27.576
702 Literary arts	7.102	3.291	3.811
703 Performing arts	73.944	62.437	11.507
711 Technical hobbies	111.287	70.947	40.340
721 Solo games	177.057	109.844	67.212
722 Card games, board games	75.310	60.828	14.482
723 Computer games	829.306	592.726	236.580
724 Social/group games	1.529.715	903.779	625.937
728 Gambling	31.404	30.473	931
731 Travel related	491.927	359.005	132.921
749 Others	5.276	5.079	197
Indoor and outdoor sports participation and related courses	5.658.859	4.135.709	1.523.150
751 Walking and hiking	2.202.189	1.353.823	848.366
752 Biking, skating	171.082	102.885	68.197
753 Aerobics, yoga and other fitness	286.036	68.420	217.616
754 Ball games, individual sports	202.540	109.179	93.361
755 Ball games, team sports	2.673.547	2.455.894	217.653
756 Water sports	17.241	8.122	9.119
757 Winter/ice/snow sports	2.784	2.236	548
758 Contact sports	11.978	11.603	375
762 Horseback-riding	-	-	-
763 Pleasure drives; sightseeing	147.134	102.985	44.149
764 Sports related	65.419	34.943	30.475
781 Travel related	1.417.754	1.156.985	260.768
799 Others	20.918	9.286	11.632
N Mass media	46.268.237	23.102.628	23.165.608
801 Reading books	1.068.014	495.253	572.761
802 Reading periodicals	2.668.998	1.636.408	1.032.590
809 Reading other specified materials	51.879	34.641	17.238
811 Watching/listening to television	45.081.343	22.377.222	22.704.122
812 Watching/listening to video	471.297	325.194	146.103
821 Listening to radio programmes	2.114.103	1.289.906	824.197
822 Listening to other audio media	415.962	256.354	159.609
831 Using computer technology for reading	91.238	58.244	32.994
832 Using computer technology for video/audio	77.628	50.624	27.004
833 Surfing the internet, downloading, Uploading	457.163	281.196	175.967
841 Visiting library	203.998	78.634	125.363
881 Travel related	90.686	56.717	33.969
899 Others	-	-	-
TOTAL	54.857.941	27.233.165	27.624.776

2.2.1.3 Conclusions

The analysis of Thailand experiences in the field of measuring cultural participation deserves more attention. For instance, it would be useful to try and understand whether there are university research programmes that are coping with this problem on a theoretic level. The approach used in Thailand for measuring cultural participation is, on my opinion, too much influenced by the western concept of culture. In the TUS survey not enough attention is given to traditional activities which should be more detailed as it happens, on the contrary, in New Zealand survey on cultural activities of Maori. Currently, then, it is not possible to evaluate whether the image given by TUS reflects the real patterns of cultural participation of Thailand population or whether there are other relevant aspects that need to be taken into consideration.

On a technical point of view, the choice to use only TUS survey for measuring cultural participation makes it difficult to compare data at the international level. In order to calculate benchmark indicators comparable at the international level it is, in fact, necessary to measure cultural participation according to a reference period of twelve months. For this reason is highly advisable that the Thailand NSO inserts a module on cultural participation in the next round of CAPS survey which will be carried out in 2008. Naturally, the results of TUS survey carried out in 2004 will be highly useful for designing this module.

2.3 The Uganda's framework for culture statistics

2.3.1 Background

The *UNESCO Framework for Culture Statistics* is being reviewed to modify categories and sub-categories and also to ensure that the needs of developing countries are integrated into the new framework. UNESCO selected Uganda to pilot this activity in Africa.

The Ministry of Gender, Labour and Social Development (MGLSD) constituted a task force to develop Uganda's framework for culture statistics. The task force includes officials from the UNESCO Office in Uganda, MGLSD, Uganda Bureau of Statistics (UBOS) and the Ministry of Education and Sports. MGLSD is the lead agency for this activity.

The UBOS is in the process of designing the plan for national statistical development and the MGLSD is working in close cooperation with the UBOS to give relevance to the culture statistics sector in the plan for national statistical development.

Thanks to this work, in the next five years the culture statistical sector will receive a big impulse in Uganda that will become a lead country in the area for the culture statistical sector.

2.3.2 Cultural domains

For the MGLSD, in Uganda culture is the sum total of the ways in which a society preserves, identifies, organizes, sustains and expresses itself (Draft National Culture Policy, 2006).

Culture concerns itself with socially transmitted behaviour patterns, arts, beliefs, institution and all other products of human work and thought. Culture is made up of tangible and intangible heritage. A framework shall therefore include:

Monuments and sites	Visual arts	Indigenous knowledge
- historical monuments	- painting	- traditional craftsmanship
- museums	- sculpture	- traditional food and nutrition
- archaeological sites	- handicrafts	- traditional dress
	- graphic arts	- conflict resolution and management *
Language	- photography	- traditional medicine
- language	- design	- traditional tools, instruments
- oral tradition		- ritual music
	Audio and audio-visual	
Book and press	- radio	Sports and games
- books and pamphlets	- television	- traditional and non traditional sports
- press	- video	- traditional and non traditional games
- libraries	- cinema	
	- sound recording	
Archives		
	Cultural beliefs, tradition and values	
Performing arts	- socio-cultural practices, rituals *	
- live music	- festive events	
- theatre/drama	- ceremonies	
- music festivals	- religion *	
- dance		

This framework should represent, for the MGLSD, the theoretical starting point for measuring culture in Uganda. It will be very useful for designing a questionnaire for measuring cultural participation. Of course, some topics of the framework need to be better defined (in particular those marked with an *).

2.3.3 Measuring cultural participation in Uganda

At the moment, no data are collected by UBOS on cultural participation and cultural consumption. In any event, the UBOS has a good knowledge in dealing with surveys on households and they are also very positive on the possibility to have a module on cultural participation in the next round of their household survey.

The main tool for collecting data on household is the Uganda National Household Survey (UNHS). The last round of this survey was carried on in 2002/03 and it was the eighth in a series of household surveys that started in 1988.

The UNHS 2002/03 collected information on the socio-economic characteristics at both the household and community levels. The main objective of the survey was to collect high quality data on population and socioeconomic characteristics of households for monitoring development performance.

The UNHS 2002/03 comprised of four modules namely the Socio-Economic, Labour Force, Informal Sector and Community modules.

The survey covered 55 districts of Uganda, with some parts of Gulu and Kitgum districts not fully covered due to insecurity. Pader District was not covered at all.

The UNHS sample was drawn through a stratified two-stage sampling design. The Enumeration Area (EA) was used as the first stage sampling unit and the household as the second stage-sampling unit. The sampling frame used for selection of first stage units (fsus) was the list of EAs with the number of households based on the cartographic work of the 2002 Population and Housing Census. A total of 972 EAs (565 in rural and 407 in urban areas) were covered. In order to select the second stage units, which are the households, a listing exercise using listing schedules was done in all selected EAs.

The sample size was determined by taking into consideration several factors, the three most important being: the degree of precision (reliability) desired for the survey estimates, the cost and operational limitations, and the efficiency of the design. UNHS 2002/03 covered a sample of 9,711 households.

This survey is a good tool for piloting a module on cultural participation. Its weakest point is the fact that only one member of the household is interviewed and gives information for all the member of the household. This technique could have the effect of underestimate the cultural participation level of the population because the interviewed person can be unaware of the cultural consumption of the member of the household.

2.4 Supporting interest for cultural participation statistics

The cultural sector in general and the cultural participation in particular are underrepresented in the statistical system of these countries. A significant obstacle impeding the development of more rigorous and useful measures and policies is the weak research and knowledge base that exist in the field. Among the reasons contributing to this weakness:

- The relative immaturity of cultural policy (or planning) and the lack of conceptual clarity as an interdisciplinary area of study and research.
- The low priority traditionally accorded to research funding by established cultural policy agencies.
- The lack of resources for systematic research by the agencies of civil society, such as non-governmental organizations.
- The weak linkages forged between universities and the broader cultural sectors in the development and resourcing of research agendas.

- The dramatic lack of research by agencies of local government in cultural planning and development, which is in part influenced by the national focus of much cultural policy and cultural policy research. (Kleberg, 1998).

On the contrary, all NSOs of these countries have the know-how and the statistical tools for implementing a data collection on cultural participation and, in general, to improve the statistical production on the whole culture sector.

In Asia, a major drive to the better and develop statistics on cultural industries comes from Jodhpur Initiatives. It is of fundamental importance that within this project the right significance will be given to statistics on cultural participation which are the moment are less developed since they are considered less relevant on a political point of view. According to my experience, continuous efforts are needed in order to adequately support the development of statistics on cultural participation in non-western countries.

As underlined by the UIS Regional Advisor for Asia and Pacific region, it is necessary to create and support a working group with the specific aim of developing and harmonising statistics on cultural participation. This group should include international and national experts of interested countries in order to study both content and methodology to implement data collection on cultural participation. At the same time, this group should also have the function to strengthen the importance of these data at the political level.

Finally, it is fundamental to act promptly since the following countries will carry out household surveys again between 2008 and 2009:

- 2008 Bhutan BLSS
- 2008 Thailand CAPS
- 2009 Thailand TUS
- 2008 Uganda UNHS

It will then be possible to test in many countries a harmonised module on cultural participation.

The areas of need and the modalities for support must necessarily differ from country to country and from situation to situation. However, the cultural participation sector development will only be successful if support is aimed at enabling local participation and decision-making.

The UIS (and other international agencies) could facilitate this process by providing technical assistance and advice, and liaise with potential funding agencies.

In a longer perspective, technical assistance could focus on more specific mechanisms for cultural participation statistics development through studies of specific issues and the establishment of baseline data for the sector.

3. GUIDELINES FOR MEASURING CULTURAL PARTICIPATION

3.1 Toward a definition of cultural participation

Everything can be regarded as culture, when we include within its range material culture (products, production techniques and technologies, etc.), social culture (production modes, institutions, social differentiation processes, social roles, educational procedures, behavioural patterns, social intercourses, play, leisure time activities, social rituals, etc.) and ideal culture (rules, consolidated values, knowledge, languages and communicative behaviours, symbols, expressions, etc.).

It is doubtless that the problem cannot be dealt with at such a general level. On the contrary, we need to find a definition of cultural participation that is operational and allows to collect comparable data though respecting each country's cultural diversity.

We cannot forget, indeed, that the main aim of this work is to provide the criteria for collecting harmonised information on cultural participation in order to allow international comparability of the results obtained. Such an objective necessarily implies some choices that one hand might appear effortless but have the advantage of providing a common frame for measuring such a complex phenomenon. For this reason it is useful to refer, as far as possible, to the definition of cultural participation that was given by LEG for the European context, also for the sake of not missing the opportunity to compare data with European ones.

This definition has to refer on one hand to the art concept in order to give the better value to the domains that on the basis of each country's history belong without any doubt to the cultural field. On the other hand, the definition has to take into consideration that cultural participation must embrace more than simply "arts plus media policies". It should also take into account the ways in which cultural activities are knitted into the fabric of everyday life; of the ways in which ethnically-marked differences in cultural tastes, values and behaviours inform not just artistic and media preferences but are embedded in the daily rhythms of different ways of life; and of the ways in which these connect with other relevant social characteristics – those of class and gender, for example (Bennett, 2001).

Cultural participation is thus not limited to the consumption of products that belong to the so-called "elite" culture but is part of daily life and contributes strongly to the quality of life of a given community.

We then need to look at general cultural practices of people. The proposed division is based on the following three-folded classification: "culture d'appartement" (television, radio, listening to music, reading and so on), "culture de sortie" (cinema, performing arts, visits to museums, monuments and archaeological sites) and "culture identitaire" (amateur practices, cultural associations, popular culture, ethnic cultures, youthful culture).

On the contrary, it is not useful to operate a distinction between high, middle and low cultural levels. The three-level distinction of culture is not useful in a statistical connection. Indeed, it can be dangerous because this distinction has no sense in a social, aesthetic or semiotic level.

Moreover, cultural participation is not only an active behaviour. If to participate is to create and invent, the analysis field will be the artistic and amateur field, but if to participate is principally to attend and watch something of cultural offer, the focus will be on tickets sales, on provisions, on households' cultural expenditure, and so on.

Active versus passive opposition is, however, very hard to define: how can we define book or newspaper reading in terms of "activity" or "passivity"? When are we watching TV actively and when are we passive? Is it a cultural activity only if we are producing something? Or, on the other hand, are we doing something "cultural" when we re-elaborate (with more or less criticism) external stimuli coming from different external sources?

It seems to me that to limit the participation concept to the artistic and creative behaviours only is a choice that precludes taking into consideration important factors of cultural participation in everyday life.

Finally we need to underline that in many forms of cultural participation which are carried out at the community level it's very difficult to distinguish between an active and a passive behaviour. For instance, considering the case of a festival that involves at various level of participation almost all the population of a village, how can we distinguish between who watches and who participates?

As a matter of fact, in the TUS survey carried out in Thailand only the category of participation is used with reference to cultural events that take place at the community level, since it would be impossible to distinguish between attendance and performing.

An effective definition of cultural participation has therefore to include the performing participation forms, the attending ones and the ones for which it would be useless to try and make such a distinction.

We have participation in cultural activities when:

in any context and through any channel, with a shared general code of communication, we have senders and receivers paying much attention to forms and contents of messages to increase their own informational and cultural baggage.

First of all it should be underlined that there are no particular places where participation should happen (participation can be in everyday life) and that the messages, the forms, the contents of cultural products can be transmitted by every kind of channel (paper, television, radio, CD, audio-videocassettes, live performances with voice, sound, images and so on).

Secondly, the receiver and the source both use a general shared code of communications. In more particular, it can happen that we have differences between the receiver's code and the source's code (with a creative tension to link the different codes in a new form), but in general we think that there is participation when, for example, one decides to use musical code and goes to a concert, one decides to activate visual code and goes to a painting exhibition, and so on. After, when one is listening to a concert, we have a shared musical

general code and, at the same time, different particular musical codes between source and receiver. So speaking about participation in this sense, receiver and sender pay much attention to forms and contents of communicating messages.

Finally, if there are 1) a shared general code; and 2) a lot of attention to forms and contents of communication, it appears obvious that participation implies that receiving subject is intentionally interested in a growth of own informational and cultural baggage. Hence, we have to clearly say that in order to talk of cultural participation, the main aim of who participates has to be that of augmenting its own informational and cultural baggage. Professional and working activities, thus, are not included in cultural participation.

This criterion might appear strapping but it is necessary to encircle clearly the object of study which would otherwise easily risk invading other subjects. In particular, some borderline areas as craftsman production are very difficult to classify. By the adoption of this definition it becomes simpler to define what cultural participation is and what it isn't. For example, to go to a museum for visiting an exhibition is by no doubt a cultural participation activity while to work in a museum as a guide is a working activity.

To make pottery is a cultural participation activity if it's a hobby carried out with the intention of enhancing one's knowledge and skills but it isn't if it's done for raising one's income. Naturally, even the working activity of the famous painter or actor has to be excluded from the cultural participation sphere

3.2 A revision of the European framework

The definition of the domains to be used in order to obtain harmonized data at the international level is a very difficult task. Therefore, this paragraph does not intend to illustrate exhaustively which domains have to be considered in a survey on cultural participation since to provide an adequate framework for all the countries is a utopian aim. The aim is rather to provide guidelines to obtain data on cultural participation that are the more comparable as possible among different contexts.

The beginning point is the framework that has been adopted by the European Union, reviewed on the basis of the elements provided by the framework designed by the Uganda's Ministry of Gender, Labour and Social Development, by the Thailand TUS survey and by the New Zealand' survey on cultural activities of Maori minority.

Table 3.1 presents domains that are common to the different sources and domains pertaining to a single source. Domains included in the European framework are certainly important for measuring cultural participation since they are included in almost all of the sources being considered. Archives, audio and audio-visual, book and press, cultural heritage, libraries, performing arts and visual arts are part of cultural participation and have to be measured even though levels of incidence of single items will vary largely from country to country.

The only domain that appears scarcely applicable on a vast scale, but in effect it is neglected also at the European level, is architecture. The indicator provided by LEG for this domain – visiting an architecture exhibition – can be considered of minor importance in developing countries.

Table 3.1 Synoptic table of domains of cultural participation.

Domains	EU	New Zealand	Thailand	Uganda
Architecture	x			
Archives	x	x		x
Audio and audio-visual				
- cinema	x	x	x	x
- radio	x	x	x	x
- television	x	x	x	x
- video	x	x	x	x
- sound recordings	x	x	x	x
- multimedia	x			
Books and Press				
- book	x	x	x	x
- press	x	x	x	x
Cultural Heritage				
- Historical monuments	x	x		x
- Museum	x	x	x	x
- Archaeological sites	x			x
- Others	x		x	
Language				
- Language		x		x
- Oral tradition				x
Libraries	x	x		x
Performing arts				
- Live Music	x	x		x
- Dance	x	x		x
- Musical theatre	x	x		x
- Theatre	x	x	x	x
- Sport events	x		x	
- Multidisciplinary	x			
- Other arts	x	x		
Sport and games practice		x	x	x
Tradition				
- food and nutrition				x
- dress				x
- traditional medicine				x
- traditional tools				x
- ritual music				x
- preservation		x		
- taught or learnt indigenous knowledge		x		
- socio-cultural practices		x	x	x
- rituals		x	x	x
- festivals		x	x	x
- ceremonies		x	x	x
Visual arts				
- Painting	x		x	x
- Sculpture	x		x	x
- Handicrafts				x
- Graphic arts	x	x		x
- Photography	x	x		x
- Design	x	x		x
- Multidisciplinary	x			

Notwithstanding, the European framework appears insufficient when being considered in the light of experiences collected through the case studies. New domains that have to be taken into consideration are: language, sports and games and tradition.

Language, proposed by Uganda's Ministry of Gender, Labour and Social Development, puts the emphasis on the linguistic heritage that represents an important part of the cultural richness of every country. Even if it is not included in the European framework, in the Italian survey on cultural participation big importance is given to the language and information is collected on the use of dialect and on the languages spoken by linguistic minorities.

It would be more difficult instead to measure oral tradition. It represents in some societies a privileged means of transmission on values and culture but it is also a very difficult phenomenon to define and measure.

Sports and games is a quite relevant domain which should be reintegrated even in the European framework. It is worth underlining, in fact, that the decision not to include sport among the domains of the European framework was a very discussed one, since many European countries including Italy consider it fully to be cultural participation.

If we want to measure cultural participation in developing countries it is essential to consider even sporting activities in order not to exclude a priori traditional activities which strongly connote some cultures (e.g. archery in Bhutan).

Similarly some games can be considered as a constituting element of a people culture (e.g. chess in Russia) and in fact TUS survey carried out in Thailand considers this domain broadly.

Tradition is a very broad domain that includes many items which are sound and simple to measure and other items that require a more precise definition. Participation to rituals, festivals and ceremonies is already enumerated by the TUS survey carried out in Thailand and doesn't cause specific troubles.

Uganda considers among the domains of interest food and nutrition, traditional dress, traditional medicine, traditional tools and ritual music. Participation to events that need ritual music in order to take place might probably be surveyed within the area of participation to rituals, festivals and ceremonies, while the other items are much more difficult to measure.

Furthermore, beyond the problems that might be encountered concerning definitions and measures, surveying domains, such as tradition and cultural heritage, acquire a strategic significance for the study of cultural participation in non-western countries.

Section 1.2 shows that in western countries interest towards cultural participation of ethnic minorities it is not adequately backed by a process of re-thinking of the cultural participation concept; a process which is particularly needed since the same idea of culture might change according to the ethnic group. From this point of view, the design of an *ad hoc* survey for the study of cultural participation in non-western countries might set the pace in view of a potential renewal of traditional settings in western countries.

The rethinking of some specific sub-domains would be particularly convenient first of all since the presence of ethnic minorities is yet a stable characteristic of many countries and secondly since in these countries the so-called ethnic cultural consumption is getting space besides more traditional forms of cultural participation. Ethnic music (in every possible form and of every possible origin) together with other forms of contact with non-western cultures (movies, food, dance, etc.) would probably deserve a more detailed classification in sub-domains and themes able to catch the many facets and consistency of the increasing interest towards other cultures.

3.3. Main information

A draft list of information that should be collected in a survey on cultural participation is provided below. The information is organized by domains and ranked according to their relevance.

It should be noted that this is a first effort to give some guidelines on a subject that is very difficult to define and by consequence to measure. Both the list of information and the level of priority should be discussed in deep with experts and stakeholders. I am also very convinced that only a constant work on the field can produce valid results.

Architecture	
Frequency of visiting an architecture exhibition	3
Archives	
People that go to an archive	3
Audio and audio-visual	
Frequency of going to the cinema	1
Frequency of listening to the radio	1
Kind of radio programmes	2
Frequency of watching TV	1
Kind of TV programmes	2
Frequency of watching video or DVD	1
Frequency of listening to music	1
Kind of music that people listen	2
Frequency of using a computer	1
Frequency of using Internet	1
Reasons for using the Internet	2
Using computer technology for reading	3
Using computer technology for video/audio	3
Books and press	
Frequency of reading books	1
Frequency of reading newspapers	1
Frequency of reading magazines	1
Frequency of reading other kind of press	2
Cultural heritage	
Frequency of visiting museums	1
Frequency of visiting galleries	1
Frequency of visiting historical monuments	1
Frequency of visiting archaeological sites	1
Frequency of visiting to zoo or animal park	1
Frequency of visiting to natural reserves	1

Language	
Knowledge of particular languages that contributes to preserve the cultural diversity of a specific community	1
Taught or learnt a particular language that contributes to preserve the cultural diversity of a specific community	1
Frequency of telling a story/myth/legend to someone	2
Libraries	
Frequency of going to a library	1
Performing arts	
Frequency of going to a live music event	1
Kind of live music event	2
Frequency of attending a ballet or a dance performance	1
Frequency of going to musical theatre	2
Frequency of going to theatre	1
Frequency of going to a professional sport event	1
Frequency of going to an amateur sport event	2
Sport and games practice	
Frequency of practicing sports	1
Frequency of playing social or group games	1
Frequency of playing card/board/computer games	1
Tradition	
Taught, learnt or prepared traditional food	2
Wearing traditional dress for community events/celebration	2
Use of traditional tools for preserving a specific tradition	2
Taught learnt or playing ritual music	2
Participated in activities which help to maintain a specific culture	2
Taught or learnt indigenous knowledge	1
Participating in socializing activities	2
Participating in community celebrations of cultural/historical events	1
Participating in community religious rites/events	1
Participating in community non-religious rites/events	1
Participating in community social activities	1
Participating in festivals	1
Visual arts	
Frequency of doing some photography / making a film	1
Frequency of singing	1
Frequency of acting	1
Frequency of dancing	1
Frequency of making handicrafts	1
Frequency of writing story/poetry/novels/letters	1
Frequency of doing other artistic activities like sculpture, painting, drawing, creative computing, etc.	1

3.4 Survey methodology

The methodology generally adopted to collect information on cultural participation is the sample survey on households and individuals. This collection method can be expensive if faced to data obtained from registers, but it is the only tools that can provide information necessary to produce indicators on this phenomenon.

Usually data from registers are devoid of structural information like sex, age or nationality. For example, when we buy a ticket at cinema, no information is collected about our sex, age and so on. The phenomenon cannot be analysed according to individual structural information and, by consequence, it is impossible to use register data to answer key questions like who in a given society is participating in what aspects of culture and why? Do youth behave differently than adults? Does everyone have equitable access to culture?

Moreover, it is difficult to build indicators on cultural participation because it is quite difficult to define the reference population. For example, it is impossible to use the number of ticket sold to access museums in Italy to build an indicators like the percentage of Italians that goes to museums because we don't know how many tickets are sold to tourists from abroad.

This section focuses on general questions concerning survey methodology necessary to collect information on cultural participation and it intends to give useful guidelines for countries that want to implement a data collection on cultural participation.

3.4.1 Definition of population

The objective of a survey on cultural participation should be to give information on this subject in a very broad sense. This means that the survey should cover the population as a whole and not concentrate on specific population like the labour force only or adult and so on. To have a complete picture of the situation in a country a survey should cover the widest population possible.

In Italy, for example, cultural participation data cover population of 6 years and over and by consequence it is possible to compare the cultural participation level of very different age groups more important it is possible to compare the cultural participation patterns of young and elderly people that are involved in very different cultural activities.

The ideal situation is to focus on the 6 years and over population. Anyway, considering that this is an ambitious target, the recommendation is to focus at least on the population of 15-64 year olds. This would be the core sample which all participating countries should use but every country is free to widen the age bands if possible. Residents of institutions (like old people's homes, prisons, etc.) are excluded.

3.4.2 Reference period

Generally estimation on cultural participation are produced using an annual reference period. This is the case of the Eurobarometer survey and other surveys considered earlier.

For this reason it is recommended that the reference period for reporting participation in cultural activities should be 12 months, which could either be the last 12 months or the previous calendar year.

A shorter reference period could lead to a better recall of cultural activities but there are serious disadvantages to such a solution as most respondents would probably not have participated in any activity over this period, limiting the analytical potential of the data, while the results would be strongly influenced by seasonal effects.

However, it is possible to use shorter reference periods for specific cases (e.g. for very frequent cultural activities like watching TV or listening to the radio) and longer reference periods for collecting some basic information so as to improve the dynamics of the data.

A harmonised reference period is a key element to make possible comparison between countries.

It is easier to compare data collected in different years but with the same reference period than data collected in the same year but with very different reference period. For example it is possible to compare data on cultural participation of Member States and candidate countries that were collected in different years (see Appendix C), but it is impossible to make comparison between Eurobarometer data collected using an annual reference period and data of the Thai TUS survey collected using a daily reference period.

3.4.3. Method of data collection

With a dedicated survey it will be possible to cover more of the variables known or suspected to be correlated to participation in cultural activities. The ideal proposal is to use the same data collection method in all countries in order to avoid possible method effects on comparability of the results.

Face-to-face interviews should be used as this would produce better data on participation in cultural activities (and related issues) than other data collection methods. Visual support such as show cards in face-to-face interviews would help in answering complex questions. Moreover the duration of the interview is not so critical in face-to-face interviews.

I strongly recommend not using computer-assisted telephone interview (CATI) because of evident population coverage problems in developing countries.

Computer-Assisted Personal Interviews (CAPI) should be used where possible also if we are aware that it is a very expensive data collection method. Computer-assisted interviewing can involve collection of information with multiple response pathways, while it makes it easier to use complex flows and built-in edits and checking rules. The use of computer assistance may require more time to plan and execute than traditional paper-and-pencil methods. However the post-interview time at the national level would be significantly shortened.

Proxy interviews should be avoided as much as possible in cultural participation surveys. Proxy answers on participation in cultural activities underestimate the phenomenon because the respondent doesn't know all the cultural activities carried on by all the members of the household.

3.4.4 Sampling design

It is recommended that the final sampling unit should be the individual but each participating country should design its sample selection according to what is most efficient to that country.

It is possible to use a sample based on individuals as primary sampling units or a sample where the primary sampling units are represented by households and the second sampling units are all the actual components belonging to each household included in the sample.

The survey should be based on a probability sample from which results representative of the population at agreed age ranges could be derived. The recommendation is to use a stratified sample of individuals, at least according to age and gender.

It is also recommended that the survey should be carried out in all national languages or in the languages that cover the wide majority of the population.

3.4.5 Sample size

Calculation of sample sizes should take into account that this should be a survey with multiple objectives. It has to ensure representative results for all the estimates produced. In particular calculation of sample size should take into account that each statistics have to be tabulated by age, sex, education level, employment situation, geographical location and type of locality.

As budgets are limited, the design of study involves making trade-offs along various dimensions. Larger samples make it possible to analyse sub-groups in depth but every interview increases the cost of the survey.

The sample size should take into account the coverage of specific groups which would be the targets for analysis, like for example unemployed persons on various levels of educational attainment or gender or age. The proportion of those sub-groups in the population should be taken into account. However, as it is difficult to take into account the possible non-response rates in different countries in advance, a target of received responses (completed questionnaires) could be set.

The calculation of sample sizes should be based on precision requirements. On this basis countries should decide on sample design and calculate the sample sizes in order to receive estimates with sufficient quality.

On the basis of the previous considerations, it is suggested to adopt a mixed view, based on both cost and organizational criteria and on an evaluation of the sample errors of the main estimates on a national level and with reference to each of the territorial domains and to each of the breakdown variables of interest.

3.4.6 Measurement errors

Measurement errors can be reduced by ensuring that the questions are easily understood and that interviewing is done in a consistent standardised manner. Therefore testing and piloting of the questionnaire should be conducted in as many countries as possible.

Cognitive research methods such as focus groups (8-10 persons) and qualitative interviews can be used (even in countries which cannot do piloting because of time or other constraints) for better understanding of the ways respondents comprehend survey

instructions and questions, recall requested information, and how the word and question order can affect responses.

In this context, an agreement is necessary on the kind of cognitive, pre-testing and piloting methods to be used for the development of the outline and national questionnaires.

Another key element affecting the quality of the data is the fieldwork. Each country should strive to get experienced high quality interviewers. It is suggested, that a common outline training manual and common interviewer instructions are developed.

References

- AA. VV. (2004). *Symposium 2004: Innovative Methods for Surveying Difficult-to-reach Population*. Ottawa: Statistics Canada.
- AA. VV. (2005). *1923-2004. Statistical Indicators*. Ankara: Turkish Statistical Institute.
- Bennett, Tony (2001). *Differing Diversity: Cultural Policy and Cultural Diversity*. Strasbourg: Council of Europe Publishing.
- Bizier, Valérie, Jennifer Kaddatz and Danielle Laroche (2004). "Methodological Challenges in a Survey on the Ethnic and Cultural Diversity of the Canadian Population" in AA. VV. 2004.
- European Commission (2004a). "Cultural statistics in the EU" (3/2000/E/N°1).
- European Commission (2004b). "Final report of task force on cultural participation" (ESTAT/D5/2004-CULT-03-PART.01-EN).
- Fox, Kate and Leicha Rickards (2004). *Sport and Leisure. Results from the Sport and Leisure Module of the 2002 General Household Survey*. London: National Statistics.
- Glade, William (2003). *Conceptualization and Measurement Problems in Developing Cross-National Cultural Indicators. A Methodological Odissey*. Austin: University of Texas.
- Grosh, M. and J. Muñoz (1996). *A Manual for Planning and Implementing the Living Standards Measurement Study Surveys*. LSMS Working Paper #126. Washington, D.C.: The World Bank.
- Kleberg, Carl-Johan (ed.). (1998). *Promoting Cultural Research for Human Development*. Stockholm: The Bank of Sweden Tercentenary Foundation.
- Madden, Christopher (2004). *Making Cross-country Comparision of Cultural Statistics: Problems and Solutions*. International Federation of Arts Councils and Culture Agencies.
- Muller, Lara (2005). *Participation culturelle et sportive Tableaux issus de l'enquête PCV de mai 2003*. Paris: Institut National de la Statistique et des Études Économiques (INSEE).
- Ongley, Patrick (2003). *Cultural Experiences Survey*. Social Statistics Division, Statistics New Zealand.
- Provonost, Gilles (2002). *Statistics in the Wake of Challenges Posed by Cultural Diversity in a Globalization Context*. Ottawa: Statistics Canada.
- Stenou, Katérina (2004). *UNESCO and the Issue of Cultural Diversity (revised version)*. Paris: UNESCO, Division of Cultural Policies and Cultural Dialogue.
- Sturgis, Patrick and Jonathan Jackson (2003). *Preliminary Analysis of the UK 2000 Time Use Survey for the Department for Culture, Media and Sport. Examining Participation in Sporting and Cultural Activities*. London: National Statistics.

Appendix A

Samples specifications of the Eurobarometer surveys

Member States survey – year 2001

Country	Institute	N° interviews	Collection period	Population 15+ (x 000)
Belgium	Inra Belgium	1031	27/08 – 24/09	8326
Denmark	gfk Denmark	1001	22/08 – 24/09	4338
East Germany	Inra Germany	1024	25/08 – 24/09	13028
West Germany	Inra Germany	1023	25/08 – 24/09	55782
Greece	Market analysis	1001	03/09 – 24/09	8793
Spain	Inra España	1000	31/08 – 21/09	33024
France	csa-tmo	1002	27/08 – 27/09	46945
Ireland	Lansdowne market research	1002	27/08 – 24/09	2980
Italy	Inra demoskopoea	998	22/08 – 24/09	49017
Luxembourg	Ilres	609	25/08 – 24/09	364
Pays-Bas	Intomart	1047	25/08 – 24/09	12705
Autriche	Spectra	1093	25/08 – 24/09	6668
Portugal	Metris	1000	30/08 – 25/09	8217
Finland	Mdc marketing research	1023	28/08 – 27/09	4165
Suede	Gfk Suede	1000	28/08 – 27/09	7183
United Kingdom	Inra UK	1041	22/08 – 24/09	46077
North Ireland	Ulster marketing surveys	305	29/08 – 19/09	1273
Total		16200		308885

Candidates countries survey – year 2003

Country	Institute	N° interviews	Collection period	Population 15+ (x 000)
Bulgaria	Vitosha research	1000	23/03 – 15/04	7891
(Republic of) Cyprus	Cymar market research	500	22/03 – 15/04	689
Czech Republic	Cvvm	1000	23/03 – 28/04	10226
Estonia	Saar poll	1019	28/03 – 09/04	1360
Hungary	The Gallup Hungary	1013	26/03 – 30/04	10195
Latvia	Latvian facts ltd.	1002	28/03 – 26/04	2345
Lithuania	Baltic surveys	1017	24/03 – 15/04	3475
Malta	Misco	500	22/03 – 28/04	386
Poland	The Gallup Poland	1000	20/03 – 15/04	38632
Romania	The Gallup Romania	1044	27/03 – 19/04	22435
Slovakia	Focus center for social and market analysis	1029	26/03 – 24/04	5331
Slovenia	Cati d.o.o.	1000	31/03 – 04/05	1980
Turkey	Konsensus research & consultancy	1000	28/03 – 27/04	67803
Total		12124		172748

Appendix B

Main information collected by the Eurobarometer surveys

<p>Possession of various object and equipment of cultural relevance</p>	<p>Frequency of using the Internet Internet usage for various reasons</p>
<p>Television set Cassette, tape recorder CD-DVD burner Mobile phone Photo camera Records, CDs, Videos, cassettes, DVD Encyclopaedia on paper Encyclopaedia on CD Books Hi-Fi Video recorder Cable TV Walkman, Discman, MP3 player Satellite dish Personal computer Musical instrument Internet access DVD player Video-camera Video-game console PDA</p>	<p>Reading habits Reading books Number of books read Frequency of reading daily papers Frequency of reading magazines</p> <p>Music Frequency of listening to music Media through which people listen to music Kind of music that people like (folk, traditional - easy listening - rock, pop - classical music - world music - dance/house - jazz, blues – techno - opera, operetta – rap - hard rock/heavy metal - other type)</p> <p>Going to concerts Kind of concerts people attended (same category of music)</p> <p>Cultural activities Go to a library Go to the cinema Go to a sport event Visit historical monuments Visit museums or galleries in their country Go to the theatre Visit museums or galleries abroad Go to see a ballet or a dance performance Visit archaeological sites</p>
<p>Television Watching TV Kind of TV programs Watching video or DVD;</p>	<p>Artistic activities Played a musical instrument Sung Acted Danced Written something Done some photography, made a film Done any other artistic activities (sculpture, painting, drawing, creative computing such as designing a website, etc.)</p>
<p>Radio Listening to the radio Frequency of listening to the radio Kind of radio programmes</p>	
<p>Personal computer Computer usage Frequency of using a computer Nature of computer usage (at home for work or study - at home for leisure - outside home for work or study - outside home for leisure)</p>	
<p>Internet Internet usage</p>	

Appendix C

Main indicators on cultural participation in Europe

	Cultural activity									
	Listen- ing to the radio	Using a pc	using Inte- rnet	Read- ing book	Reading news-paper	Going to the Cine- ma	Going to the theatre	Attend- ing a concert	Visiting Museum in your country	Visiting Museum abroad
MEMBER STATES (a)										
Austria	95	51	37	61	98	49	31	29	30	17
Belgium	91	40	26	40	75	43	18	21	17	17
Denmark	96	67	59	67	95	57	29	40	46	26
Finland	98	59	51	75	99	50	38	35	36	17
France	88	40	27	57	84	52	14	22	23	11
Germany	94	42	35	58	94	51	31	32	30	16
Greece	90	25	15	45	69	36	19	19	14	5
Ireland	98	45	37	55	97	57	23	29	21	14
Italy (c)	74	29	18	50	60	42	15	20	23	6
Luxembourg	97	53	43	65	93	54	32	43	32	37
Netherlands	94	67	54	63	90	49	33	31	32	24
Portugal	91	25	15	32	75	35	9	20	17	4
Spain	88	36	25	47	77	61	17	27	21	6
Sweden	99	74	67	80	99	64	44	43	51	26
UK	90	58	49	74	87	60	39	34	42	22
CANDIDATE COUNTRIES (b)										
Cyprus	95	40	27	59	77	43	24	32	17	23
Czech Republic	95	44	36	76	94	49	40	35	39	12
Estonia	96	50	47	80	91	37	41	42	31	16
Hungary	93	38	22	64	87	34	27	17	33	10
Latvia	93	40	30	73	92	27	34	42	32	11
Lithuania	94	38	29	60	94	30	25	45	22	8
Malta	89	37	29	40	74	50	21	15	21	17
Poland	91	43	31	60	84	39	18	21	21	10
Slovakia	94	41	29	65	89	36	24	22	26	11
Slovenia	98	52	41	61	91	46	29	36	27	16
Bulgaria	81	22	16	43	82	19	12	18	11	4
Romania	78	19	14	46	74	14	9	15	10	3
Turkey	76	21	18	43	75	25	13	16	13	1

(a) Source: Eurobarometer April, 2002

(b) Source: Eurobarometer March-April, 2003

(c) Source: Istat multipurpose survey on "Citizens and their leisure", 2000

Appendix D

Data on Māori cultural activity

Number and percent of people who participated in a Māori cultural activity during the four weeks prior to interview

Type of activity	Māori		Non-Māori		Total	
	No.	%	No.	%	No.	%
FEMALE						
Worked at hui for some purpose relevant to Māori	38.684	18	11.792	1	50.475	3
Maintenance of marae grounds and/or buildings, or managing Māori land eg as part of a land trust	14.506	7	5.432	0	19.939	1
Participated in a Māori event	48.069	22	24.008	2	72.077	5
Worked on issues associated with land, resources, claims, Treaty of Waitangi	17.861	8	13.591	1	31.452	2
Held a conversation in te reo Māori	36.163	17	14.390	1	50.552	3
Taught or learnt te reo Māori	40.444	19	23.150	2	63.594	4
Taught or learnt the skills of Māori cultural activities	42.536	20	27.427	2	69.963	5
Participated in other activities activities which help to maintain Māori culture	36.365	17	36.838	3	73.204	5
None of these	132.105	61	1.258.553	94	1.390.657	90
TOTAL	215.561	100	1.337.540	100	1.553.100	100
MALE						
Worked at hui for some purpose relevant to Māori	22.439	12	4.331	0	26.770	2
Maintenance of marae grounds and/or buildings, or managing Māori land eg as part of a land trust	15.069	8	3.165	0	18.233	1
Participated in a Māori event	33.703	19	16.927	1	50.630	3
Worked on issues associated with land, resources, claims, Treaty of Waitangi	12.287	7	11.995	1	24.282	2
Held a conversation in te reo Māori	24.319	13	10.319	1	34.638	2
Taught or learnt te reo Māori	26.588	15	15.568	1	42.156	3
Taught or learnt the skills of Māori cultural activities	26.024	14	12.548	1	38.572	3
Participated in other activities activities which help to maintain Māori culture	18.966	10	19.619	2	38.585	3
None of these	124.653	68	1.239.865	96	1.364.518	92
TOTAL	182.099	100	1.297.541	100	1.479.640	100
TOTAL						
Worked at hui for some purpose relevant to Māori	61.123	15	16.123	1	77.246	3
Maintenance of marae grounds and/or buildings, or managing Māori land eg as part of a land trust	29.575	7	8.597	0	38.172	1
Participated in a Māori event	81.773	21	40.935	2	122.707	4
Worked on issues associated with land, resources, claims, Treaty of Waitangi	30.148	8	25.587	1	55.735	2
Held a conversation in te reo Māori	60.482	15	24.709	1	85.190	3
Taught or learnt te reo Māori	67.032	17	38.718	1	105.750	3
Taught or learnt the skills of Māori cultural activities	68.560	17	39.975	2	108.535	4
Participated in other activities activities which help to maintain Māori culture	55.332	14	56.457	2	111.789	4
None of these	256.758	65	2.498.417	95	2.755.175	91
TOTAL	397.660	100	2.635.080	100	3.032.740	100

Footnote: Data comes from a specific question in the survey, not activity information gathered in the 48-hour time diary.