Le patrimoine, moteur de développement

Heritage, a driver of development

ACTES DU SYMPOSIUM DE LA XVIIÈME ASSEMBLEE GENERALE DE L'ICOMOS

PROCEEDINGS

OF THE 17TH ICOMOS GENERAL ASSEMBLY











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organisée par ICOMOS France, du 27 novembre au 2 décembre 2011 Maison de l'UNESCO, Paris

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Session 1

POINT DE VUE DU MODERATEUR

MODERATOR'S POINT OF VIEW

NOUVEAUX OUTILS,
NOUVELLES MÉTHODOLOGIES,
NOUVELLES APPROCHES
NEW TOOLS,
NEW METHODOLOGIES,
NEW APPROACHES

Modérateur Moderator

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Depuis l'émergence des programmes de développement dès l'après-guerre, les états, les institutions scientifiques ou économiques, les collectivités et communautés ont eu l'occasion de produire et de recueillir quantité de données et de littérature sur la contribution du patrimoine au développement. Cependant, face à cette masse documentaire, il est important de pouvoir perfectionner les outils disponibles et d'en inviter de nouveaux afin que les enjeux patrimoniaux soient réellement compris et communiqués, que les retombées parviennent jusqu'aux populations, qu'elles puissent prendre possession de leur patrimoine, pour mieux le transmettre.

Ces nouveaux outils présentés ici font souvent intervenir des compétences pluridisciplinaires, et s'appuient sur un cadre et une acception élargis du patrimoine, incluant son environnement social, culturel et économique, ainsi que l'ensemble des valeurs qui le caractérisent. Ces nouvelles approches sont autant d'outils de réflexion sur notre rapport à la question patrimoniale, sur sa transmission, son impact ou son usage.

Christophe Graz met ainsi en avant l'importance de la diffusion des documents et inventaires liés aux nombreux projets de terrain menés par Euromed Heritage. Il est primordial d'orienter cette intense production afin qu'elle bénéficie au mieux aux acteurs du patrimoine et à ses populations.

Michel Cotte et Florent Laroche s'appuient sur les compétences de l'ingénieur pour nous présenter les opportunités offertes en matière de reconstitution virtuelle de systèmes mécaniques anciens, de puissants outils de transmission des techniques, qui trouvent un sens autant auprès touristes que des élèves-ingénieurs.

Marek Sklodowski se penche sur l'analyse systémique de l'économie du patrimoine, qui est la plus à même de modéliser l'impact réel du patrimoine culturel sur nos sociétés.

Enfin, Marion Woynar nous offre une nouvelle vision du paradigme patrimoine/développement, en insistant sur la notion de cycle, un concept qui permet d'appréhender l'objet patrimoine d'une toute autre manière.

Ces réflexions, et les démarches présentées, nous donnent à considérer de nouvelles façons d'envisager le rapport du patrimoine au développement. L'interdisciplinarité, l'échange entre acteurs, le questionnement épistémologique, et l'élargissement de nos domaines d'actions font parties des pistes évoquées et privilégiées pour faire avancer la cause du patrimoine, au bénéfice du plus grand nombre.



QUANTITATIVE MODELLING OF CULTURAL HERITAGE ECONOMIC BEHAVIOUR

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Economic efficiency: system approach

System approach offers a tool of enterprise efficiency analysis in a context of a surrounding economy. Depending on a level of generalisation it is possible to distinguish between local-efficiency and macro-efficiency.

Local-efficiency takes into account relations of the enterprise with local or regional economy. Macroefficiency is regarded as analysis of influence of enterprise activity on the state or global economy. Despite the technical problems of analysis on the global level there are no changes in adopted methodology and the same method of analysis, similar flow charts and graphs are used.

Modelling of a system including a cultural heritage institutions (let us call them "CH enterprise"), local community and economic environment of a country has several advantages. Properly designed system model allows to:

- graphically represent the system for education purposes,
- clearly visualise consequences of lack of some data,
- ask better formulated questions about existing relations,
- include or even discover new relations existing between economic actors,
- introduce realistic simplifications necessary to:
- design databases,
- do numerical modelling for quantitative analysis.

Isolated Cultural Heritage enterprise

Economy analysis based on book-keeping data and calculated indexes like benefit/cost ratio or enterprise profit shows that CH enterprise does not generate any profit and is financed by the society through a system of subsidies and donations. Local-efficiency analysis of CH enterprise isolated from local community and country economy gives negative result as its income (sales, financial operations, property renting) is (usually) lower than costs incurred. So at the enterprise level there is: (Income – Costs) = Profit < 0

At this local level of analysis no other economy conclusion can be drawn as there is no analytical mechanism which can help to collect and use other important information.

This is due to the lack in analysis of feedback loops between the enterprise and its social and economic surrounding. The first step in efficiency analysis is a graphical representation of costs outflow due to the enterprise activity. Enterprise income is represented by sales (admission cards, tickets). Costs include supply and service liabilities paid other local and state companies as well as foreign enterprises, salaries, taxes, similar duties and possible capital cost. The costs outflow can be found in [Bojarski 2001] where more detailed cost categories are discussed. In the next section the cost chart is embedded into graphical model of a local community.

Macro-model with feedback loops

System efficiency modelling at macro-level is presented for state economy [Bojarski 2001] which can be regarded as a single country rather than federation of countries as fiscal revenues are due in the country where the enterprise is based. This is consistent with nowadays regulations in Europe and in this sense presented modelling is related to European/global economy.

To model economic relations of CH enterprise with surrounding economy it is necessary to embed its cost outflow model into a model of local (regional) community economic environment and then this new model into the model of state (country) economy. Simplified financial flow chart resulting from CH enterprise activity is shown in Figure 1 and represents graphical model of our economy system. Primary financial flows are the enterprise costs already known from the local analysis. They are specified as real costs and "costs returned to budget". Real costs are only salaries paid local and state population, capital costs (credits) and supply and service liabilities paid another local and state enterprises.

At the local level additional market actors are community budget and funds, local population and local enterprises. Banks and financial institutions are situated outside the local community as in fact they operate on national or transnational level. State budget and public funds, remaining state population and remaining state enterprises appear at the state level. To complete the primary financial flows in the model it is necessary to introduce a state border

and foreign countries to consider custom duty and excise flow into the state budget generated by import of goods and services.

Environmental charges, profit and company tax have a marginal economic effect in case of CH enterprise if any at all and are included in the model for a generalisation only. It follows from the model that a great amount of costs is related to fiscal and other duties. These are "costs returned to budget" and include wealth taxes, transport facilities and revenue duties, personal income taxes of local and state population, social insurance, VAT, excise imposed on home and imported products and custom duties. There are also flows which can be classified as "avoided budgetary costs" and include decrease in pensions and compensations paid unemployed by community and state budgets. This decrease of unemployment is of a direct nature (people working in CH enterprise) and indirect one — in other local and country enterprises.

Costs returned to budget and avoided budgetary costs can be reinvested in state economy increasing its macro-efficiency so their graphical representation in the model is the same. Including in the model the costs returned to the budget and avoided budgetary costs changes the economic situation of CH enterprise. It is not any more an amount of sale which is important but there exist also the other countable economic effect of a great social importance.

It must be pointed out that graphical blocks of "local and state enterprises" represent all the existing enterprises while financial flows of "supply and services" only the amount of liabilities paid by the CH enterprise. This understanding is important because our model includes also flows denoted Pl and PS which represent changes in production and supply of goods and products [Bojarski 2001] generated thanks to existence of cultural heritage but not necessarily bought by CH enterprise.

To understand a role of PI and PS flows let us discuss two examples.

First example - business company

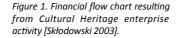
Introducing computers on the market decreased sale, production, employment and costs returned to budget in the typewriter industry. So even in the case of overwhelming positive impact of some enterprises there usually exist some negative changes in economy of other enterprises.

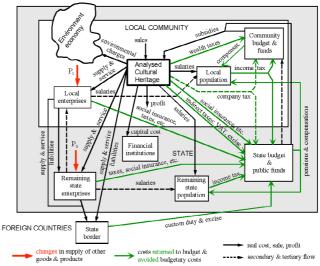
Second example - CH enterprise

Instead of evaluating results of introducing another cultural heritage on the market let us assume that one of them disappears (e.g. because of lack of subsidies). The amount of resulting negative consequences is exactly equal to positive flows Pl and PS generated by existence and activity of our CH enterprise. And this negative consequences are really large. To mention only a few relevant let us imagine how many hotels and restaurants would disappear if there is no more world recognised cultural heritage in Paris. How many flights would be cancelled? Do the same number of students come to study in Paris if Montmartre doesn't exist? How great would be unemployment increase?

Methodology of answering these questions is not yet satisfactorily developed. But these two examples show two very important features of **Pl** and **PS** flows in the case of CH enterprise.

First — unlike the other companies, CH enterprise generates only positive changes to system efficiency. Second — positive flows Pl and PS might be much greater than any other flows in the model. Thus from the point of view of macro-efficiency modelling it is very probable that cultural heritage should be regarded as a very efficient enterprise although existing thanks to society donations and subsidies.





Conclusions

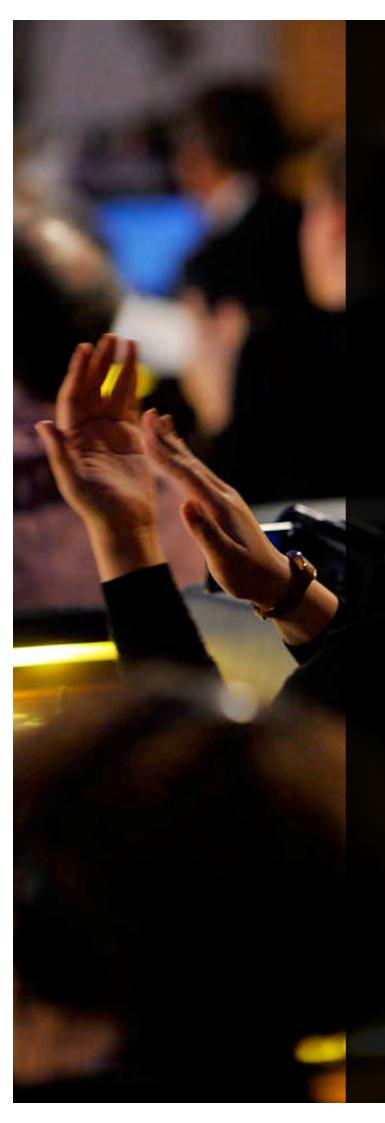
Book-keeping level of analysis and its efficiency indexes (e.g. cost/benefit) are not adequate to analysis of cultural heritage market efficiency.

System approach to modelling of cultural heritage efficiency shows that Cultural Heritage is the sector without negative economic feedback—it generates ONLY increase of production in other sectors.

References

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