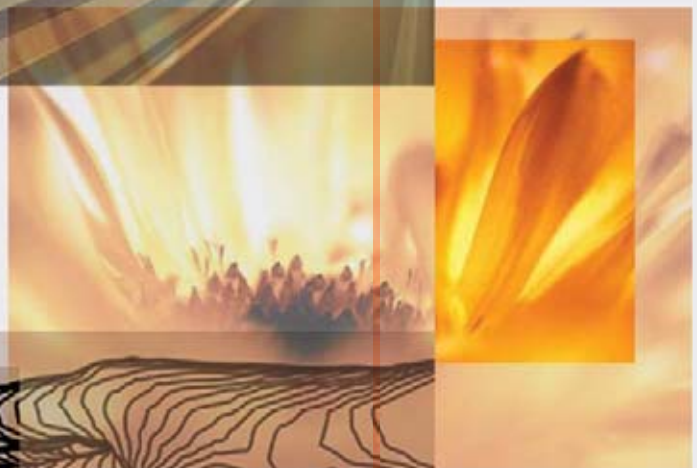
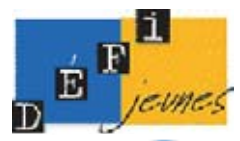


Eurasia and sustainable development in architecture



www.archi-eurasia.org





In short...

Eurasia and sustainable development in architecture

Who ?

Through the association Eurasia, which aims at capitalising data on construction and sustainable development on an international scale, Etienne Fradin, Thomas Jusselme and Guillaume Lafont will carry out this project during 12 months.

Why ?

30% of carbon dioxide emissions are generated by buildings. This field of activity therefore has considerable environmental impacts which need to be controlled as soon as possible. This project will be based on the observation and analysis of constructions which have been made using efficiently natural resources and local energies, thanks to the local culture and geographical context. This research will result in exhibitions, conferences and some publications in specialised magazines.

Where ?

As a support to this study, Asia, Europe and Maghreb were selected for their richness on this subject. These territories also offer a real wideness and diversity while benefiting from well developed transportation networks.

When ?

Achieving this work will take one whole year of study through 21 countries, beginning in February 2004. Three additional months will enable us to gather and summarise results for their publication.

Who ?

The budget of this study reaches 33 000 €. Concerning the study, local partners will allow a better understanding of their architecture. Specialists will collaborate on return to the analysis of collected data.

Your assistance

The actors of sustainable construction will enable us to understand the local context. We are therefore looking for people who could explain or show us traditional and contemporary sustainable examples in their own country.

Our contribution

We offer our partners a presentation of our study and the free use of the presented results.

Your assistance will be rewarded through the various issues of the project : conferences and exhibitions targeting a large audience and publication of the study.



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Eurasia

Association Eurasia has the aim of capitalising data on construction and sustainable development on an international scale. It also means to propose an access to this data, to promote study trips, to organise exhibitions, conferences and workshops.

Eurasia is carrying out a project aiming at the creation of a tool allowing to capitalise know-how and experiences regarding sustainable construction. Analysis and broadcasting of the collected data will allow the promotion of these practices near general public and actors of construction: building owners, architects, research and training organisations, students...

Eurasia is the result of the dynamism of three protagonists, wishing that this initiative should be the starting point of a company of engineering, creation and council, specialised in sustainable design of products and buildings.

This file allows the identification of goals, organisation and needs for the achievement of this study through 21 countries in Eurasia, between February 2004 and 2005.

● **Contacts**

www.archi-eurasia.org

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Protagonists

Resumes and personal projects in appendix

Etienne Fradin

Architecture



"During my studies of architecture at the Higher National School of Arts and Industries of Strasbourg (ENSAIS), I was made aware of the technical and pragmatic approach of architecture.

During various internships, I noticed the need for having a "cultural library" as wide as possible. Moreover, many study trips made me discover that enrichment could be reached by many other ways.

Being an unusual observation of the world, this project is a good way of optimising new tools such as observation, analysis and

summary.

Therefore, it seems necessary to me to leave "the physical roots" in order to incorporate new cultures. Corbusier advised the East, to be able to seize the vastness".

Thomas Jusselme

Sustainable development & products design



"My engineer studies within the Institute of Environment, Eco-development (Ig2e) enabled me to acquire good knowledge in this field, thanks in particular to three internships adding up two years of professional experience.

These years, during which I assessed and reduced environmental impacts related to human activity, convinced me that it is necessary to work from the very stage of design of the product or construction.

This is the reason why I integrated the higher specialised diploma (DESS) of Industrial Design - Products Design of the Technological University of Compiegne (UTC). As I am willing to develop my skills in the complementary sectors of design and architecture, a new glance and an opening on other cultures will constitute a wonderful basis of work for the future.

I am therefore taking part to this project with a lot of enthusiasm and perseverance creating a decisive link between my studies and my future professional life."

—●— **Guillaume Lafont** — Sustainable development & businesses management



"After having inflicted his environment during millenniums, Man has reversed this ratio in a few decades. In this context, sustainable development becomes a determining selection criterion for many companies, communities and private individuals. Building is not an exception to this fact. Investors, owners building and users will be increasingly concerned about "sustainability" for their projects and their patrimony. The necessity of responsible behaviour but also anticipation and innovation do not need to be proved.

Actually sustainability also points out the importance for us to discover and exchange. Three years spent in industrial and institutional structures in favour of the control of their impacts convinced me of the need for federating knowledge in order to learn better, choose and decide, while taking into account the needs and constraints of each one.

Here is all the challenge taken up by Eurasia and its partners: to achieve a successful creation and broadcast of a know-how capitalisation tool, to enhance exchanges, innovation and implication, while remaining as close as possible to the current and future concerns of the world of construction."

Long years of friendship helped to make this project mature. We have a sound confidence as for its result.

Project

*"By trying to stay to close to the current direction,
one ends up losing realities", Tomi Ungerer*

Context

Before starting with our professional life, we wish to confort the knowledge which we accumulated these last years.

Becoming aware of the fossil resources exhaustion, Man found it necessary to invent the concept of sustainable development, while it had already existed. This idea has been implemented until the industrial revolution, time at which Man lost sight of this basic concept.

Currently, 30% of the carbon dioxide emissions are generated by the field of construction. This field of activity has a considerable environmental impact which needs to be controlled urgently.

Our study thus proposes to rediscover across other cultures and contexts how Man can optimise his natural resources.

We will try to transpose its mechanisms to our sociocultural context by using new technologies and while being particularly attentive to materials and their uses. The professions of designer and architect require good comprehension of the "middle question ": practices, uses and cultures.

The strength of this project comes from the complementarity of our profiles, relevant for a study of sustainable architecture.

It is in this way that we will complete this "field work". For that, we wish to test realities "in situ": that involves time, geopolitical and sociocultural transitions and finally the complete immersion. We aim at an authentic experiment, which will enable us to widen our "cultural library", but also to acquire observation, analysis and summary - personalised tools which will be the basis of our future professional life.

The first goal is to carry out this trip.

The second will be to use the collected data through exhibitions and conferences. This work will be communicated by the publication of our study, which will comprise reflections, aquarelle, pictures and videos. An Internet website will make it possible to follow the development of our study in real time.

It seems to us that conceiving? sustainable development through other cultures is a real enrichment and fundamental step.

● Realisation of the study

Following up in real time

It will be possible to follow up our project thanks to the Internet website updated in real time in a semi-monthly way; a consultation will make it possible to receive the last on line information.

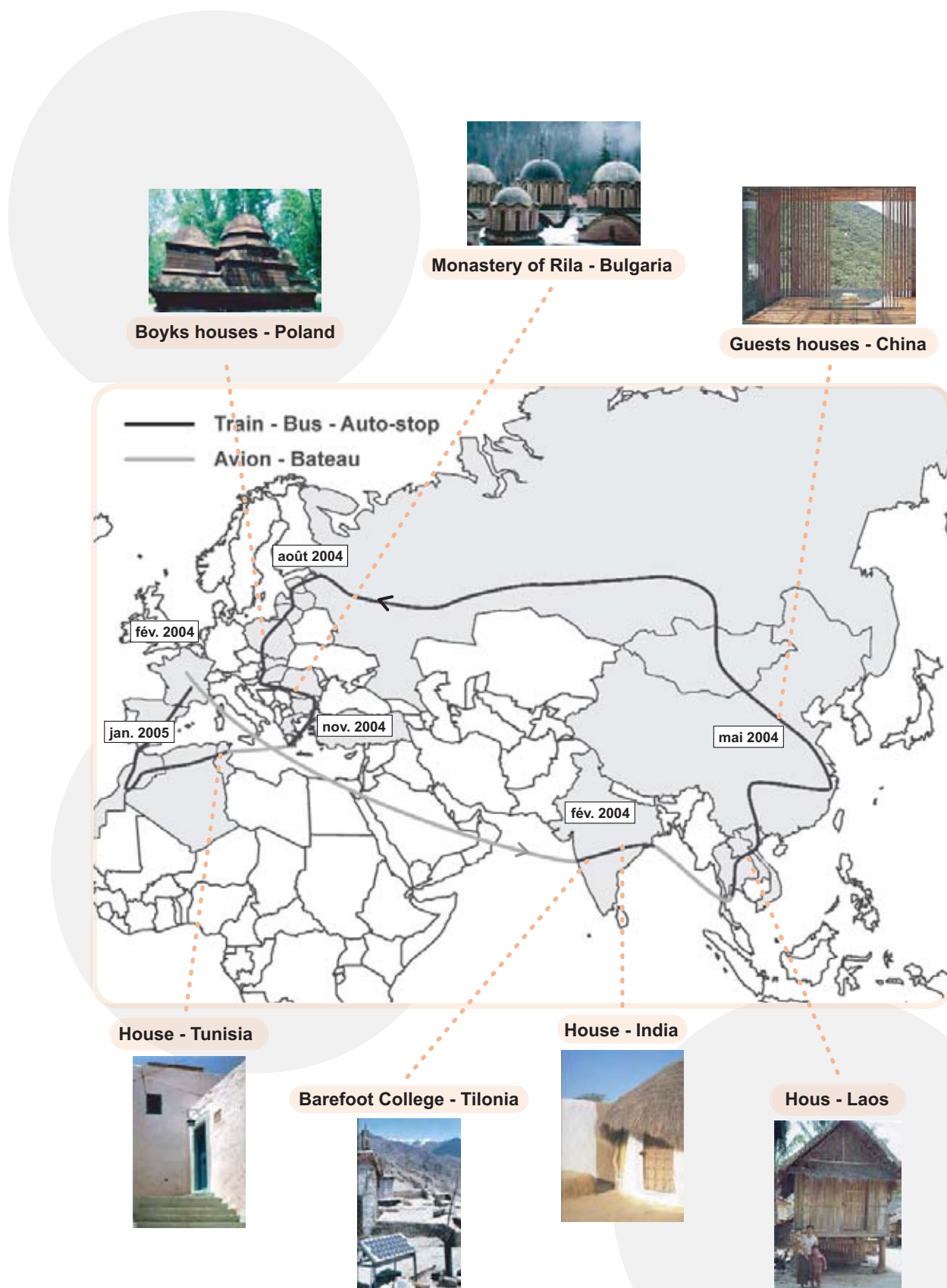
The itinerary

Our choice was made on a continuous itinerary throughout Eurasia. This geographical area is known for its immensity: this continent offers a maximum of diversity with few airlifts; continuity in the journey will then make it possible for us to see potential transitions. After a flight to Bombay - India (our starting point), we will reach Bangkok (Thailand). Then, by bus and train, we will move through Asia and Europe. In order to go further in our study, European Mediterranean countries will be associated to Tunisia, Algeria and Morocco. These countries will be reached by boat via Italy.

The chosen countries represent, through their history, their geopolitical or economic situations, a new and diversified area of observation, as well as a potential knowledge hardly exploited until then.

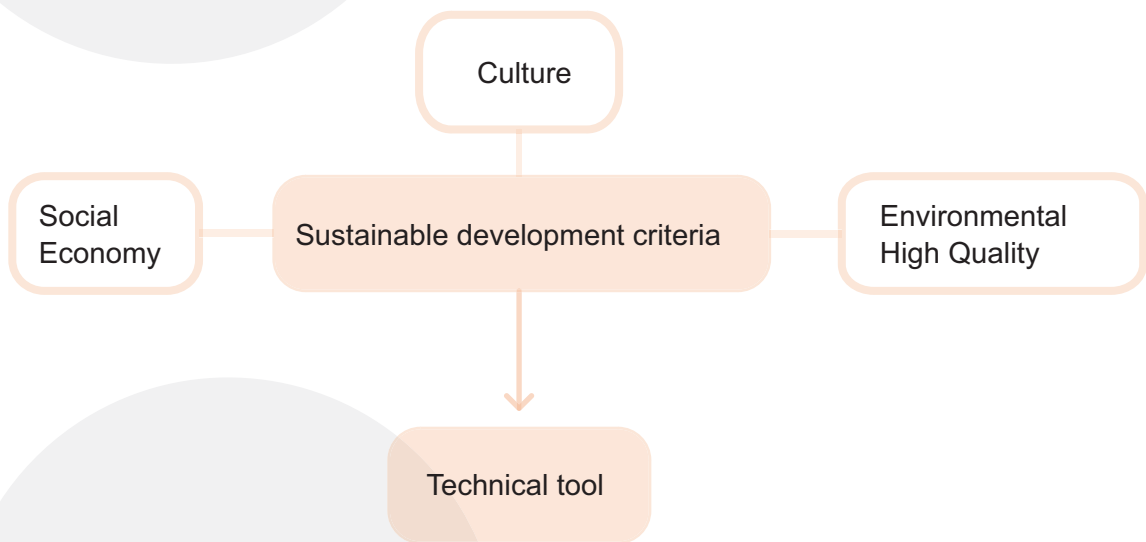
We believe in the richness of these populations which, traditionally, practice the components of the sustainable development without naming them. The itinerary is detailed in the table and the following chart.

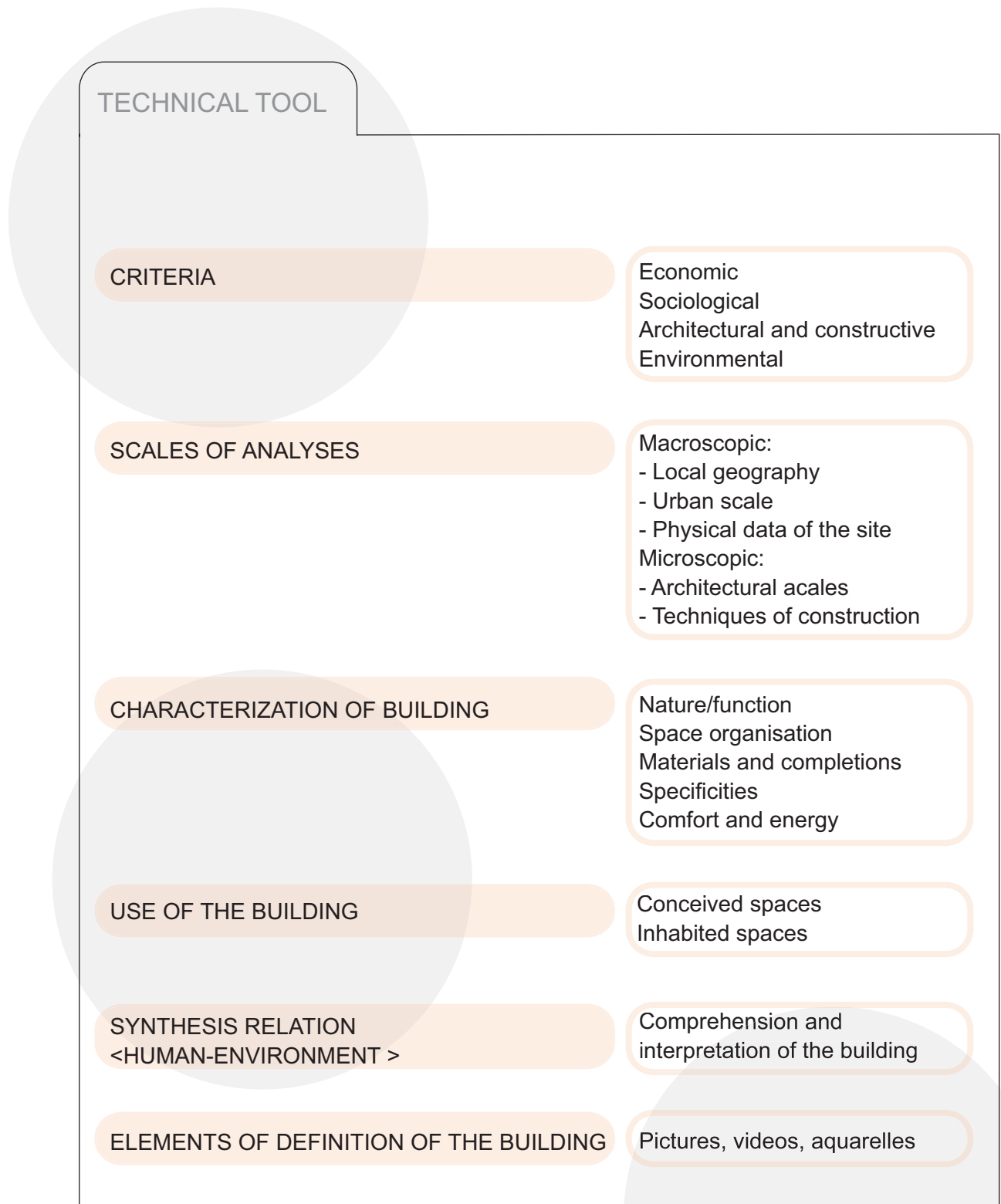
Country	Approx. arrivals	Country	Approx. arrivals
INDIA	February, 1. 2004	Slovaquia	September, 7. 2004
THAILAND	March, 15. 2004	Hungary	October, 1. 2004
LAOS	April, 7. 2004	Romania	October, 15. 2004
VIETNAM	May, 1. 2004	Bulgaria	November, 1. 2004
CHINA	May, 22. 2004	Turkey	November, 15. 2004
MONGOLIA	July 7. 2004	Greece	December, 1. 2004
RUSSIA	July, 15. 2004	Tunisia	December, 15. 2004
ESTONIA	August, 1. 2004	Algeria	December, 22. 2004
LATVIA	August, 8. 2004	Morocco	January, 7. 2005
LITHUANIA	August, 15. 2004	Spain	January, 22. 2005
POLAND	August, 22. 2004	France	February, 1. 2005



Nature of information collected

A preconceived tool (chart hereafter) will enable us to work out a fine and systematic analysis of traditional and contemporary buildings having remarkable characteristics. This work will constitute the data base from which we will be able to establish comparisons at the end of the study.





● Edition and diffusion

At the end of the travel, our work will consist in the organisation of the various collected information. For one period (about three months), we will work out a thorough synthesis of the technical maps carried out during the travel, with pictures, aquarelles, and videos.

Exposure and conferences

We will realise A0 panels (one by remarkable construction) which will collect all relevant information relating to the local studies. Exposure will thus offer a lot of data aiming at informing, establishing comparisons, offering a way of thinking and finally to broadcast the study. To clarify this itinerant exhibition, we will organise conferences intended as well for professionals (young architects, owners building...) as for a novice public. These conferences will be offered to architects, engineers and environmental schools, and to partners. They will develop the theme of travel in a general manner, while concentrating more specifically on studies related to the remarkable buildings.

Publication

The long term goal of this project is to write a book on all the achieved work. But initially, a publication will be ensured via monthly chronicles in different specialised magazines. This work will be carried out at same time as the travel, conferences and exhibitions. Videos, pictures and aquarelles will be the witnesses of the morphology and singularities of studied buildings. We wish these publications to have a teaching value, while addressing as much to students as to professionals.

Internet website

All this information will be put on line in real time on Internet website of Eurasia association (www.archi-eurasia.org).

Necessary means

● Budget

The whole of the means necessary to the realisation of this project is estimated at 33000€. We have this sum and all the necessary digital equipment that is necessary to capture data, like digital camera ...

● Local partnership

For a better comprehension of the culture and architecture of the studied countries, local contacts are required. Sustainable construction specialists will enable us to understand the local context. Thus, we are looking for people who could explain or show traditional and contemporary sustainable examples in their own country. We target more particularly architects, qualified people in the field of sustainable construction.

We wish various meetings with schools of architectures of crossed countries in order to develop our work while intervening on the state by our study. On the other hand, students will make remarks on our work and on sustainable construction in their country.

For example, we already benefit from the help of the architect Dania Sfarghiu, Professor of Design and Architecture at the Brasov University in Romania, and which carries out a thesis on bioclimatic architecture (cf chapter "Partners").

In compensation, we can propose the following actions:

- use our results,
- write the name of your structure for public communications (conferences, exhibitions, press, Internet...)
- put your logo on the Internet website which will be consulted in particular by many students in sustainable development and architecture,
- any proposal which will seem relevant to you.

Partners

— An example of local partner : Dania Sfarghiu —

"As an architect and teacher in the department of Product Design at the Brasov University" Transilvania " in Romania, and working on the writing of a thesis on bioclimatic architecture, I was very interested by the project presented by Thomas Jusselme, Etienne Fradin and Guillaume Lafont. Their project offers a single opportuneness? of a total overview and of a realistic comparative study on the conditions under which traditional architectures was always turned to, and respected bioclimatic conditions. I address my human and professional help to them and I am convinced that this step will be extremely useful within the general framework of the current development of a conscious architecture for the future.

In a friendly way, "



— Our financial, material and moral partnerships —



Internationnal University
of Sustainable Development



A joinery



Rhône-Alpes Region



French Agency for the
Environment and
Energy Management



Sustainable development
strategic agency



Youthfulness and sport
Ministry



Alsace Region

CV & Personal Projects

Etienne Fradin

23 years old

Les Rémondins
F-03220 Varennes/Têche
00 33 670 52 40 35
efradin@archi-eurasia.org



« architecture and investigation »

qualifications

- 1999-2003 courses cycles of Architects at the Higher National School of Arts and Industries of Strasbourg (ENSAIS)
- 2002 feb.-July 2002, ERASMUS study at the ETSA of Grenade (ESP.)
- 1998-99 1st year of study in integrated preparatory cycle (ENSAIS)
- 1998 scientific "baccalauréat" (equals the A Level). As selective subject mathematics
- Software Photoshop, AutoCAD 2000, Archicad 6.5, Illustrator, PowerPoint, Word, Excel

architecture competition

- 2003 1st price of the BMW foundation
participation at the European ideas competition "Watt's in the air? "of EDF
- 2002 1st price of the Strasbourg Urban Community : "Strasbourg, door of France"
- 2001 3rd prices of the OTUA 2002: "A new incineration Factory for Strasbourg"
1st price CUS: "Aubette island, Strasbourg"
special price for the competition of ideas: "the castle of Andlau"

professional experiences

- 2002 two months in an architecture agency (ACA, Clermont Ferrand)
- 2001 two months in an architecture agency (N&R Alvergnat, Vichy)
- 2000 one month as a manual labor (Spindller ETS, Lapalisse)

study trips

- 2002 6 month at the ETSA of Granada (Erasmus)
- 2002 study trip in Barcelona
- 2001 study trip in Marrakech and Ouarzazate
- 2000 study trip in Venice

languages

- anglais niveau scolaire
- espagnol courant, 6 mois de pratique en Ecole d'Architecture à Grenade
- french native speaker

other information

- arts painting and aquarelle (participations in exposures)
- music guitar

Thomas Jusselme

22 years old

La maison neuve
F-42114 Chirassimont
00 33 663 61 33 48
tjusselme@archi-eurasia.org



« sustainable development in design »

— qualifications —

- 2003 graduate-level professional degree. Industrial design - Product design
Technological University of Compiègne (UTC)
- 2000-02 University of Lyon. Institute of Environment and Ecodevelopment (Ig2e)
Environmental engineer diploma. Specialties : sustainable development
Licence degree : major : soil and waste treatments
DEUG degree : major : water
- 1999 University of Clermont-Ferrand, DEUG degree. Speciality : science of the earth
- 1998 scientific "baccalauréat" (equals the A Level). Major : biology
- software Alias, Amapi, Photoshop, Illustrator, Dreamweaver, PowerPoint, Word, Excel...

— professional experiences —

- 2003 **P'références** three months of packaging and product design
3 months at the Paris volume department
- CTBA** redaction of a handbook of eco-design for the wood industry
3 months at the Technical Center of Wood and Furniture
- EDF** Participation at the European ideas competition "Watt's in the air? "
- 2002 **Delsey** design of a new travelbag for mobility and lightness
SONY eco-design of a loudspeaker
4 months at the Environmental Center Europe Stuttgart
Ig2e implementation of a management system respecting the norms
ISO 14001 and OHSAS 18001, project manager
- 2001 **CID** CID: research of waste valorization in a wood industry, 3 months
- 2000 **DDAF** estimate of the wood storage impact on the environment
3 months at the Local Department of Agriculture and Forest

— languages —

- anglais fluent, speaking during 4 months by Sony
allemand fluent, frequent travel to Germany
espagnol 3 years studies
french native speaker

— other information —

- music trumpet, end of study level of the "conservatoire de Lyon"
playing in different instrument group
- sport rugby

Guillaume Lafont Di-Ruscio

21 years old

6, Rue de la Resistance
F-69370 Saint Didier au Mont d'Or
00 33 663 36 46 65
glafont@archi-eurasia.org



« environment, generator of values »

qualifications

- 2004 DESS CAAE (Business management) Higher Businesses School of Grenoble
- 2001-03 University of Lyon. Institute of Environment and Ecodevelopment (Ig2e)
Environmental engineer diploma. Specialties : sustainable development
Licence degree : specialties soil and waste treatments
DEUG degree : specialties water
- 2002 European Diploma of Industrial risk and safety
- 2000 University of Grenoble, DEUG degree. Speciality: physic
- 1999 scientific "baccalauréat" (equals the A Level). As selective subject biology

professional experiences

- 2003 **Legrand** Legrand, implementation of the international environment management system (Latin America, Asia, North America)
- 2002 **ADEME** ADEME, control and improvement of the waste building management of the Rhone-Alpes Region
- 2002 **ig2e** implementation of a management system respecting the norms ISO 14001 and OHSAS 18001
project manager
- 2001 **Federal Mogul** implementation of the EMS ISO 14001 on a site

languages

- | | |
|---------|-----------------|
| english | fluent |
| spanish | 3 years studies |
| german | bases |
| french | native speaker |

other information

- | | |
|-------|--------------------------|
| sport | football, squash and ski |
|-------|--------------------------|