21 April 2010

Field trips

Two workshops following one another on the two sites selected (indicated with 2 arrows on the map below);
Schedules for the workshops (lasting 1h30): 2.30 and 4.30pm + ½h break at 4pm so that participants attending the first workshop can reach the 2nd site.
Number of participants : 20 max. at Niepce museum (without the experts contributing) and 15 max. at Chapel de la Colombière (without the experts contributing).

Niepce museum	Chapel de la Colombière
Moderator : Pierre-Emmanuel Nyeborg Photograph conservator, specialised in preventive conservation	**Moderator: Sylvie Ramel** Modern materials conservator ,specialised in preventive conservation
	

Technical information on the 2 sites will be provided in advance to the different experts contributing to the workshops. Basic information will be given to the participants when attending the workshop.

Chapel de la Colombière

Chapel de la Colombière was in the past the chapel of the private college de la Colombière. It was erected in 1927, in 9 months, by Auguste Perret. It is a two-floors building in reinforced concrete. Its structure is of the post-timber type filled with concrete breeze blocks or moulded stone elements containing stained glass windows from Marguerite Huré. The concrete is directly exposed indoor and outdoor. The chapel is the only building of the 20th century protected by law in the department of Saône-et-Loire and is owned by the city of Chalon-sur-Saône. It just benefited from an important restoration work on its roof. The chief architect of historic monuments in charge of the project is Frédéric Didier. The future use of the chapel is still an open question.

The workshop will be divided in 2 sessions that cover the two following questions :
- characteristics of the indoor atmosphere,
- possibilities to improve this atmosphere for its future use.

Experts involved:
- C. Morin Dufoix, Heritage services, Chalon-sur-Saône, F
- D. Camuffo & C. Bertolin, CNR-ISAC, I
- F. France, Library of Congress, USA
- F. Didier, chief architect of historic monuments, F
- E. Marie-Victoire, LRMH, F
- M. Mattson, University of Gavle, SE
- J. Smolik, LACP, CZ

Session 1. Introduction on the building / its architect / the construction materials / its condition while in use / the recent neglect / the final protection… 3/4h

Aspects to cover:
Indoor condition state, vandalism, problems related to the neighbourhood, recent restorations (roof).
Note: a drawing with the dimensions of the hall of the chapel + position of exit doors will be provided to the participants.

Questions to raise / additional experiments
Where to put the datalogger(s) to have a clear idea of the fluctuations of environmental parameters ?
Explanation of the salt formation under the roof of the chapel? Stabilisation of this phenomenon? Is it possible to treat the problem or better to prevent it?

Session 2. Case study : the use of the chapel as a concert hall (music and vocals) (it is only an example since the future use of the chapel is still an open question). 3/4h

Aspects to cover:
The chapel is very humid at certain periods of the year. Problems of airborne particles that provoke a discomfort to the singers and acoustic problems towards the neighbourhood.

Questions to raise / additional experiment :
Are dust particles considered as hazardous? ** If yes can we prevent their production with a surface treatment of the walls ? If not how to limit them?
Can we modify in a non invasive way the interior of the chapel to limit the loss of sounds towards the outside? How the circulation of air can be improved in a relatively cheap way?