Issues

Social inclusion, lifelong learning and the regeneration of competence networks are key processes which foster innovation. Museums can play an important role in these processes and ICT strongly supports the effectiveness of the interventions required. Among them, digital tools to tell stories are becoming increasingly popular. Narratives in new dimensions enable the formation of personal and community identities and the construction of meanings ([11][2]).

Homm-sw supports multimedia narratives which enhance tangible and intangible heritage in education, and cultural mediation, as well as in tourism.

Present supporters: who and why

Currently, the promoters are: Crafts Museum (New Delhi, India) and Officina Emilia (University of Modena and Reggio Emilia, Italy). Crafts Museum, set up in 1956, has embarked on a major restructuring programme to upgrade facilities and allow to ‘open up’ in every sense, its extensive collection of artifacts, so as to better appreciate and value the wealth of traditional skills. The monthly Craft's Demonstration Programme where 40 – 50 artisans are invited from across the country offers a unique opportunity for research and documentation of craft traditions.

Officina Emilia offers hands-on workshops in science, technology, history and story so students (as well as their teachers and families) can better understand the social context in which they live. It is a ‘meeting place’ for schools and businesses, where processes of production and innovation and social transformation are examined on a global scale. Although quite different in terms of their collections, the two museums share certain interests and concerns. First, the craft sector in India and the mechanical industries in Italy are both repositories of abundant skills and knowledge that ought to be tapped for future growth. Second, the regeneration of competence networks in these sectors is crucial to sustain employment and livelihoods. Third, exposure to skills and practices in these sectors is an important instrument for education and innovation. Both organisations aim for a new identity for museums as agents of social and economic change. By offering support to the education and training systems, Crafts Museum and Officina Emilia hope to reach a much wider range of citizens, complementing the knowledge gained in more formal centres of study.

Challenges

In the last decade, digital storytelling has spread rapidly due to the growth and possibilities offered by ICT devices ([3][4]). Together with crowd sourcing it can deepen and enrich the understanding of tangible and intangible heritage. Digital storytelling still faces some critical challenges: creation of content on tangible and intangible heritage, classification and re-use of existing documents and clips, cooperative and coordinated production of new content. Moreover, for effective exploratory paths and a more analytical approach to browsing material, contents must be set in the overall perspective of the narrations, and with new users, on the same conditions. Other engines will be integration with features of other software applications is welcome.

Homm-sw: the architecture

Homm-sw is based on four pillars: (1) a web system for creating and managing the community of users, authors, administrators of the sw platform and of contents; (2) ICT information points in the museum and of the contents; (3) a website with a personal workspace that allows for the possibility to ‘prolong the visit after the visit’; (4) a workgroup for production and content management, and a set of collaboration tools to expand the storage of content.

Homm-sw: tools

The application is online at www.homm-museums-software.org. So far, it implements the engine for creating and managing the activity ‘networks-of-stories’, to create a nonlinear and open multimedia narration ([5], [6]). Homm-sw can be played and albums browsed. The webpage of each clip can be watched the caption of the clip and possibly change the order in the playlist return afterward, in the more analytical browsing mode.

Acknowledgments | credits | contacts | more information

Authors: Cristina Aylett, Paolo Motta, Mei Y. Lim, Sandy Louchart, Mark Riedl, eds., 2010. Interactive Storytelling. ICIDS 2010, Edinburgh, UK. Available at: http://www.springer.com/978-3-642-12987-0

References


Drag and drop a story-net in your personal workspace, then you can browse a short description, have a more analytical view, explore the story-net by playing the clip. Each story-net is a collection of linked clips, video, album and text, with metadata allowing tagging and listing according to the dimensions defined by the users (such as: subject, media type, chronology). Browse & print mode. Click the clip in the graph or in the list: in these environments narratives provided by each clip are easily seen in the conceptual map proposed by the curators.

Play mode. Have a look at the video-clips with the instructions. Or start by dragging and dropping a clip to the center. It then appears in your playlist, and the perspective on the story net changes, that clip becomes pivotal to the entire narration. In the floating graph: pull a clip and read the description on the link. Clips in your playlist may be viewed in the viewfinder or zoomed. Clips already viewed are marked in your list: you can play them again or return afterward, in the more analytical browsable mode.

Watch the caption of the clip and possibly change the order in the playlist according to your interest and curiosity. Shift to a more detailed browsing of clips: text and images of individual clips can be easily printed: videos can be played and albums browsed. The webpage of each clip can be shared through social media. More information on the network-of-stories (introduction, index, references) can be easily accessed.

Conclusion

Homm-sw can be shared with non-profit organizations who intend to develop new features and share the upgrade with previous users and new users; on the same terms that engines will be implemented according to the demands of users, together with multi- channel and multilingual extension. As a tool for digital storytelling, integration with features of other software applications is welcome.