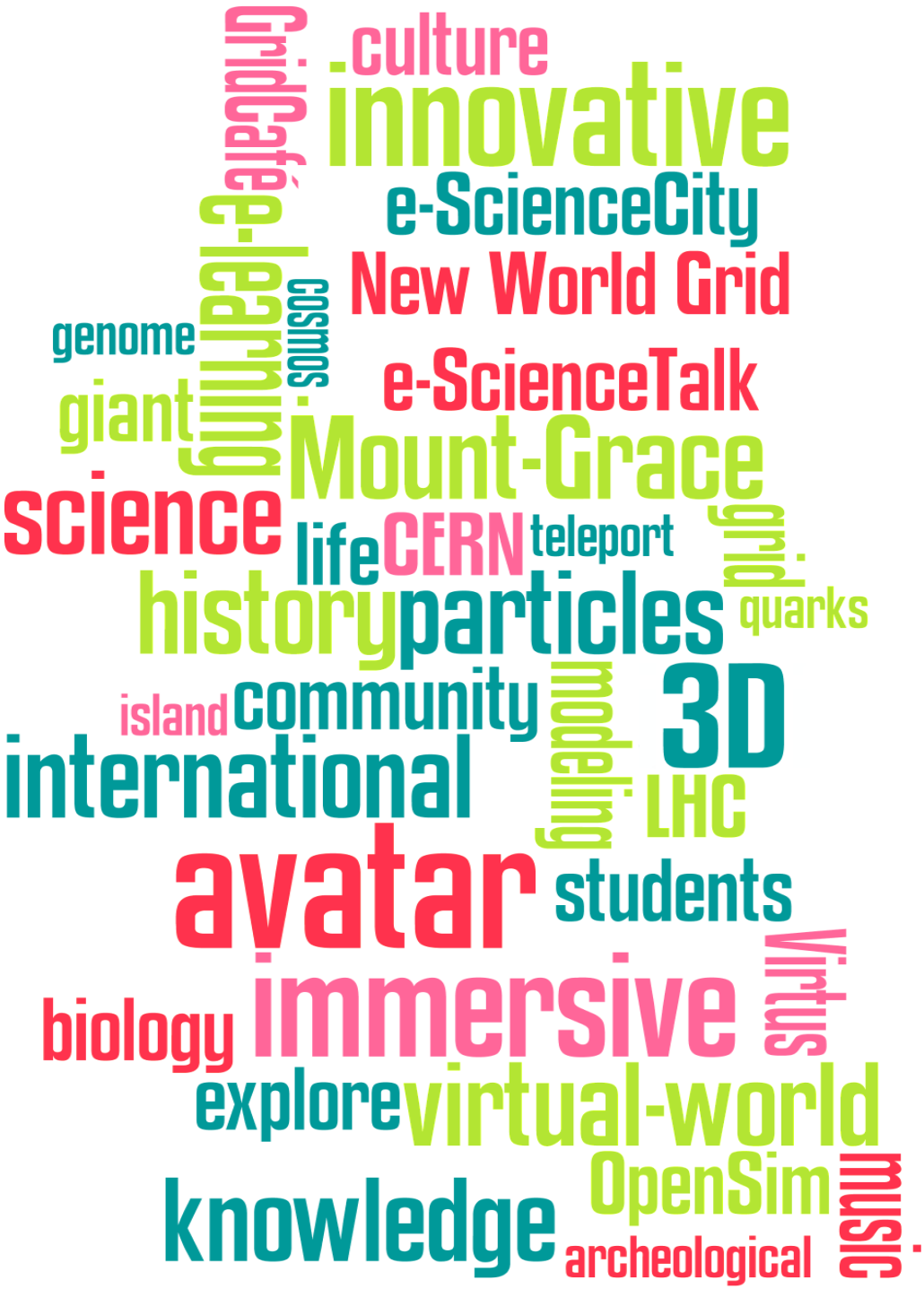
pendays2011

2nd edition



New World Grid

VIRTUS

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The OpenDays are a regular event on the virtual world of New World Grid where people can present their projects to the public, and meet the community. Visit us on www.newworldgrid.com

Programme for saturday 1st of october

All hours are UTC

08.30 e-ScienceCity : e-science in cyberspace
by Tiger Lechat, designer at e-ScienceTalk.org
on the e-ScienceCity region

12.00 The Mount Grace Priory Experience
by Christi Maeterlinck
on the Mount Grace NE region

13.30 Matter of life, between quarks and supernovae
by Aime Socrates
from Strasbourg´s IUFM
on the Pic du Midi Virtuel region

15.00 BioZone : Immersive visualization of bacteria and molecules
by Dr Peter Miller (avatar Graham Mills), from the University of Liverpool
on the BioZone region

16.30 Entertainment on Amon Ra
by Claudius Utopy and his team
on the Amon Ra 1 region

19.30 Electronic music concert live 3D
by Torben Asp, electronic ambiant music composer
on the Sunshine region

New World Grid VIRTUS

e-ScienceCity : e-science in cyberspace

by Tiger Lechat, designer at e-ScienceTalk.org on the e-ScienceCity region

e-ScienceTalk brings you the success stories of Europe's e-Infrastructures through blogs, videos, policy briefings, social media, websites and an international newsletter, International Science Grid This Week.

Now e-ScienceTalk is moving into the 3D virtual world, building on the award-winning GridCafé website. Visitors interested in finding out more about the world of grids, volunteer computing, supercomputing, and networks can explore our online e-ScienceCity.

The e-ScienceCity region is hosted on the New World Grid, a virtual world run by the non-profit organisation Virtus, based on OpenSim technology. Our new e-ScienceCity island is part of an OpenSim pilot, to create and evaluate a virtual venue dedicated to e-science and e-learning.

You are warmly invited to explore our new island !

The Mount Grace Priory Experience

by Christi Maeterlinck on the Mount Grace NE region

Mount Grace Priory, one of a European network of Carthusian priories, was established in the North Yorkshire in the late 14th Century, surviving as an active community until the dissolution of the monasteries by King Henry VIII. It has been reproduced in New World, in a project lasting over 2 years, with the active support of English Heritage, the UK's national foundation for ancient monuments, who supplied site plans, archaeological reports, and staff time. Visitors to the simulated site learn about lay and religious life in a 15th century community, collecting a dossier of documents and images for download and printout.

Matter of life, between quarks and supernovae

by Aime Socrates from Strasbourg´s IUFM on the Pic du Midi Virtuel region

An educational project will take place from October to June in an Alsatian high school which uses in particular the functionalities of the OpenSim platform. Students will work on understanding our universe.

"The material of life, between quarks and supernovae"

They will learn more about the world around us, experience an unusual encounter through a videoconference with a scientist at his place of work, discover the knowledge or transcribe it by computer graphics on an animated 3D virtual world

Two topics will be discussed in virtual worlds :

Hunters of cosmos images : the use of an area modelling the “Pic du Midi” in France to represent the workplace and the researchers tools on site.

Hunters of cosmos particles : the use of an area modelling the CERN to understand a little better the purposes for building the "Lord of the Rings" namely the LHC (Large Hadron Collider)

Aime will present the project further as areas will only present it summarily.

BioZone : Immersive visualization of bacteria and molecules

by Dr Peter Miller (avatar Graham Mills), from the University of Liverpool on the BioZone region

BioZone is an example of a teaching sim used by undergraduate students studying microbiology. It is intended both to give insights into the subject and to demonstrate the value of immersive worlds for collaboration and visualization.

The region focuses on Mycobacterium tuberculosis, the bacterium responsible for the deaths of almost 2 million people annually from TB. This infection is difficult to treat with drugs, readily develops resistance and the vaccines available are of limited usefulness. However, it is an area of very active research and much of this has been aided by modern developments such as genome sequencing.

Visitors arriving at the landing-place receive a notecard describing the principal features of the region and there are touch-sensitive maps that allow them to teleport between the main locations. Nearby is a basic orientation, a small lecture theatre and an innovative bibliographic search engine that gives students the opportunity to review the latest research.

More science-specific content includes a walk-round rendering of the M. tuberculosis genome with each gene generating a marker and menu with further information when touched. There is also a giant cell and large-scale models of molecules involved in metabolism, therapeutic drugs and a giant walk-through protein.

Electronic music concert live 3D

by Torben Asp, electronic ambiant music composer on the Sunshine region

Torben Asp, our partner, is a composer and performer of electronic music of all kinds and was looking for ways to get my music out to the public :

“In my home country it has been like running into a wall trying to get heard but then I discovered virtual worlds and that has helped me a lot. The past 3,5 years I have played almost 700 internet concerts in different Virtual Worlds, just as I do in New World Grid, which helped me building up a network of people that have been supporting me all the way and the biggest achievement from that was a trip to USA in December 2010 where I got to appear in front of a real live audience for the very first time… and even better that they invited me back. Virtual Worlds like New World Grid has been a great platform for me to gain interest for what I do musically and I can hardly wait to see what the future brings.”