

VirtualLife

WP7 Virtual Nation Juridical System

D7.1 Preliminary Report of the Legal Fundamentals concerning Virtual Worlds

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Executive Summary

The "VirtualLife" project aims to provide an immersive and secure environment, combining a high quality 3D virtual experience with the trustiness of a secure communication infrastructure.

VirtualLife constitutes a new form of civil organization, aimed at the creation of secure and ruled places within the virtual world, where important transactions can occur. The aggregation in communities and the collaboration between users is encouraged in order to reach a management of common and private interests. This collaboration is achieved through the definition of common rules that take care of all the involved cultures. A standard collection of laws, the Virtual Constitution, finalized to the creation and regulation of a secure and trusted environment (Virtual Nation) will be studied.

In order to reach high quality 3D metaverses the world objects will be distributed on a peer-to-peer network with nodes connected using a secure protocol. Thus, the resulting Virtual World will not be hosted on a central server cluster but will be based on a network of Virtual Zone Servers (VZ Servers).

The peer-to-peer architecture will enable easy and fast sharing of contents without third ruling partners: the only ruling entity will be the law in force, defined by the users community and accepted by those users who join the community afterwards.

Each VZ Server simulates all the entities in the zone and gives the users the possibility to create and share contents, media and data in a very intuitive way.

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