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Considerations for a sustainable Cartographic Heritage Architecture

1. Introduction

The development of digital cartography, geospatial services and productive recording methods allows for detailed worldwide analysis, global earth documentation and new forms of cartographic products, which integrate users' recordings in combination with remote sensing and digital cartography. By integration of geospatial web-services a global network and basis for unusual maps shapes up and calls for cartographic attention. This network does not only focus on "fresh" data and information, but also includes historic documents and ancient spatial sources. The precondition to use dissemination methods like these is digitalisation: geospatial webservices and digital cartography rely on digital source-material. Thus interesting sources have to be digitized, referenced and anyhow provided/incorporated for access. With this step of digitalisation and dissemination, new aspects for a cartographic heritage occur: How to archive digital cartographic heritage? Is it worth to define digital artworks or geospatial webservices as cartographic heritage?

If we agree that digital cartography is some kind of cartographic heritage of the future, we have to consider procedures, dependencies and strategies to keep this heritage accessible. Dissemination is only one keyfactor to keep the knowledge of cartographic heritage. Technical procedures are another one.

2. Some understanding on modern cartographic heritage

2.1 Historical values

2.2 Modern cartography

2.3 Components of digital cartography

3. Cartographic heritage of the future

3.1 The heritage of geospatial data

3.2 Fundamentals for the heritage of cartographic information

3.3 Aspects on archiving cartographic visualization services

4. A conceptual cartographic heritage architecture

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5. Resume