PROPOSAL FOR WEBCON4

Name: Naoki Katayama
Affiliation: Institute of Industrial Science, University of Tokyo
Country: Japan
Date of birth: December 30, 1990
Email: knaoki@iis.u-tokyo.ac.jp

1. Title of the web material.

   3D visualization of livability and population using WebGL

2. Design concept and purpose.

   The purpose of this web material is to understand the relationship between livability and population visually on a global scale. The base map is colorized according to the global livability index (GLI) developed in my research (N. Katayama and W. Takeuchi, 2014); the purple color shows the most livable area, and the red color shows the least livable area. The bar on the earth shows the population distribution. This can be rotated and zoomed on brouser.
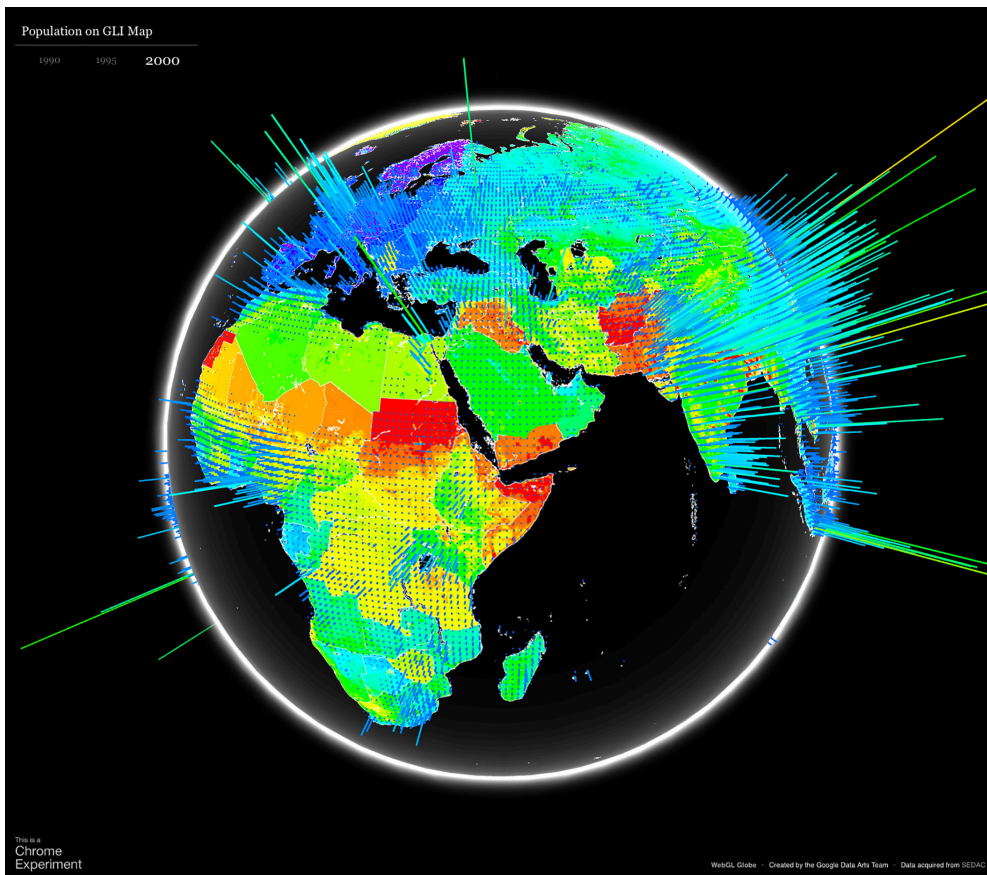
3. Outline of the web material: brief description of system requirement, framework, scheme or functions.

   This web material is an application of "WebGL Globe" by Google. WebGL Globe is an open platform for geographic data visualization and it can be easily installed on web site. For using this, the browser needs to support WebGL.

4. URL

http://wtlab.iis.u-tokyo.ac.jp/webgl/gli_population.html

5. Other helpful information.

Reference:
Naoki Katayama and Wataru Takeuchi, 2014. Development of global livability index (GLI) for evaluating global cities, International Symposium on Remote Sensing (ISRS) in 2014: Busan, Korea, April 16-18, 2014.