

[JJ] Evening Poster | H (Human Geosciences) | H-GG Geography

## [H-GG01] Use, change, management of natural resources and environment: Interdisciplinary perspectives

convener: Takahisa Furuichi (Graduate School of Agriculture, Hokkaido University), Toru Sasaki (Miyagi University of Education), Gen Ueda (一橋大学・大学院社会学研究科, 共同), Yoshinori OTSUKI (Institute of Geography, Graduate School of Science, Tohoku University)

Sun. May 20, 2018 5:15 PM - 6:30 PM Poster Hall (International Exhibition Hall7, Makuhari Messe)

(Language of the session is Japanese and English with no priority.) In this session, the situation and history of use, changes and management of natural resources and environment from various regions under diverse socio-economic and natural conditions are reported. Findings from local-scale fieldwork and feedbacks on their methodology and/or research concepts are particularly encouraged to be shared and discussed. A variety of research topics are covered through both human-ecological and earth-scientific perspectives, including local knowledge of natural resources and environment, environmental and climatic history, environmental geography, environmental degradation through resource use and/or management, effects of climate change, related socio-economic changes and adaptation for livelihood security, political ecology, and issues for overcoming gaps in linking between local and broader-scale (national, regional and global) studies.

## [HGG01-P01] A Study on Morizum Existent in Everyday Life and Nature

\*Qiongying Xiang<sup>1</sup>, Katsunori Furuya<sup>1</sup>, Chengyu Liu<sup>1</sup>, Die Meng<sup>1</sup>, Kyung-hun Min<sup>1</sup>, Qianling Zhu<sup>1</sup>, Tatsuya Ishizaki<sup>1</sup>, Fumeng Zhang<sup>1</sup>, Prita Indah Pratiwi<sup>1</sup> (1. Graduate school of Horticulture, Chiba University)

Keywords: Morizum, nature, photographs, visual features, shot size

### Introduction

Over nearly ten thousand years of evolution and a thousand years of civilization, humans have been unable to live without nature; living in nature was originally part of a happy life. However, in pursuing a life of convenience and half a century of urban development, we have moved gradually further away from nature and forests. Nowadays, people are more stressed in the absence of nature, and to recover its healing and positive powers, many choose a lifestyle consistent with the natural rhythms of life: the concept of "Morizum."

The aim of this study is to prove that modern people's natural intimacy with the earth has been awakened and are using and benefiting from nature in their lives.

### Study Methods

In October 2017, 248 photographs were submitted to Instagram (a popular SNS application) with the #morizum hashtag. First, we described each photograph in three to five simple words that represented their typical feature. Second, we categorized these words into nine main element groups—Nature, Plants, Light and Shadow, Culture and Feeling, Interior and Exterior Decoration, Food, Color, Artificial Landscape, and Others—and calculated the frequency of each and performed a factor analysis. Finally, we calculated the frequency of the groups Indoors or Outdoors, Scale, Artificial or Natural and analyzed them as humanistic indicators. JMPver13 was used for statistical analysis.

## Results

The most frequent occurrence among the nine main element groups was Plants, which occurred 328 times (29.31%). Other frequently occurring groups were: Nature, appearing 188 times (16.80%); Interior and Exterior Decoration, 168 times (15.01%); and Culture and Feeling, 150 times (13.40%). The remaining groups were as follows: 76 (6.25%) occurrences of Artificial Landscape, 56 (5%) of Light and Shadow, 49 (4.30%) of Food, and 25 (2.23%) of Color. Words that could not be categorized were assigned to the Others group, which appeared 79 times (7.06%). (See Figure 1.)

[Figure 1 about here]

According to the analysis of the physical characteristics in the 248 photographs, 46.37% were medium-range views, 22.18% were distant views, and 31.45% were close-ups. Comparing indoor and outdoor photographs, indoor ones accounted for 29.03% and outdoor for 70.97%. We also classified photographs into artificial-related and nature-related characteristics, and among the 1,119 keywords, 511 (45.67%) were considered to be human-related, and 608 (54.33%) nature-related. (See Figure 2.)

[Figure 2 about here]

## Conclusion

We can deduce several points from our findings. First, it is easier for people to associate the concept of Morizum with nature and plants. Second, observing the shot sizes in photographs, we found that medium-range landscape views were the most popular. Third, as there were more outdoor photographs, people experienced Morizum more easily when outside. Fourth, the similar number of artificial- and nature-related photographs indicates that natural factors have become part of people's way of life. Finally, the high frequency of photographs related to Interior and Exterior Decoration also show how people have made good use of nature.