



Multidimensionale Risks in the XXI Century

Online Conference, 20-21 OCTOBER 2021

Urban Risks in a Metropolis: Istanbul Earthquakes' Coverage in Newspapers

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Science communication is the exchange of scientific knowledge among scientists, policy makers, scientific and technological institutions, and media organizations applied for interaction with the public. Scientists engage in dialogue with the public before, during and after natural disasters through media. Since Turkey is an earthquake-prone country, earthquake-related media news have critical importance in terms of emphasizing the risks. The August 17, 1999 Marmara earthquake with 7.4 magnitude, being the second biggest earthquake ever happened in Turkey, has been the focus of scientists in terms of potential future earthquakes. This research, conducted as a TUBITAK 1001 (The Scientific and Technological Research Council of Turkey) project, analyzes earthquake-related news published in four different newspapers (*Cumhuriyet*, *Hurriyet*, *Sabah*, *Yenisafak*) between the years 2000 – 2019. In order to understand how science communication occurs about the earthquake, data is analyzed through the media framing method. In this context, the following frames are used: responsibility, human interest, conflict, economy, ethics, risk, preparedness and science communication. Despite earthquake danger has crucial social and economic consequences for Turkey, this issue has been mostly restricted to the natural sciences. Taking into consideration the limited number of scientific communication studies in Turkish literature, this research aims to contribute the science studies in Turkey and develop a better understanding between the potential risks, and responsibility of the government. This study focuses on two newspapers (*Cumhuriyet* and *Yenisafak*) and analyzes the news which includes risk, preparedness and responsibility media frames before and after the earthquakes. The data extracted from the selected newspapers between the years 2000-2019 is analyzed through qualitative content analysis method.

Keywords: risk, earthquake, preparedness, responsibility, content analysis

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