

User-Centered Design of a Resource Center about Geospatial Data Preservation

Robert R. Downs and Robert S. Chen

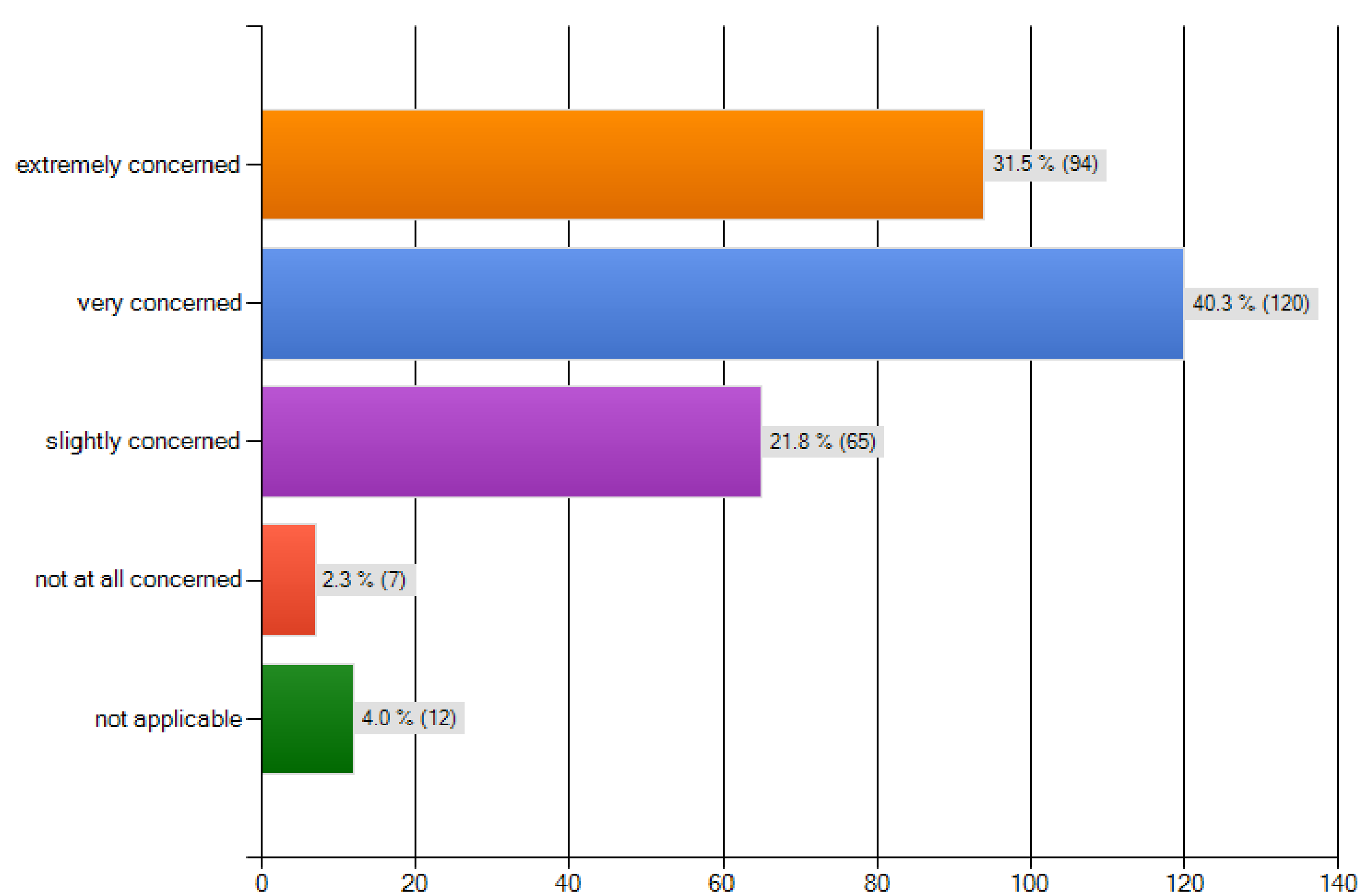
{rdowns, bchen} @ciesin.columbia.edu

Center for International Earth Science Information Network (CIESIN), Columbia University

Prepared for Presentation to the 2011 Summer Meeting of the Federation of Earth Science Information Partners (ESIP), July 12-15, 2011, Santa Fe, NM

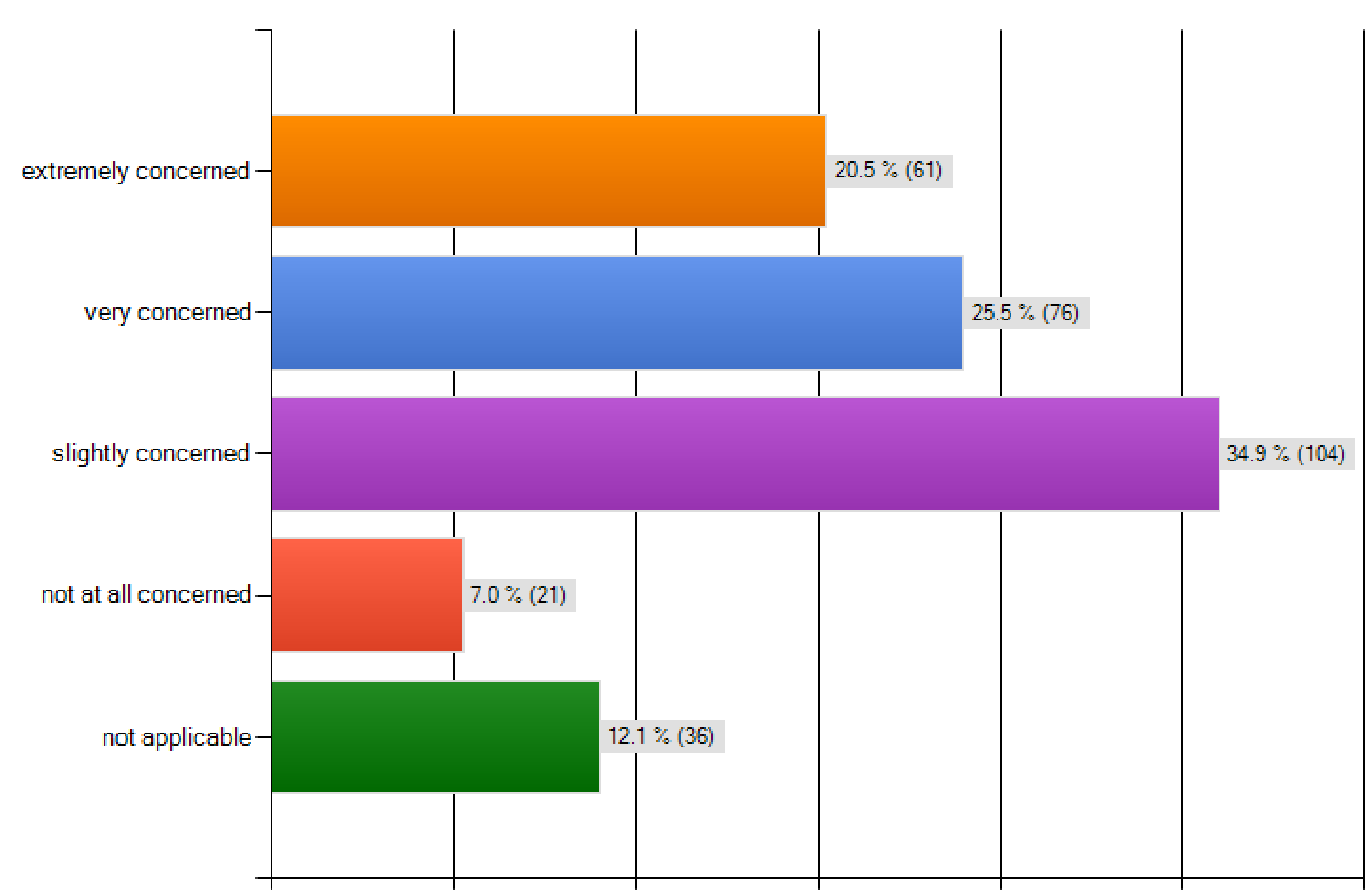
Geospatial data are valuable assets for science, education, business, government, and society. The data may not be replaceable if representing characteristics of a location at a particular time. Preserving geospatial data and related information products can improve their longevity and enable their use in the future. The Geospatial Data Preservation Resource Center has been developed to improve awareness and understanding of geospatial data preservation. The user-centered approach that informed the first release of the online resource center will be described.

I am concerned that valuable geospatial data from other sources that I need for my work may not be preserved in the long run for future use



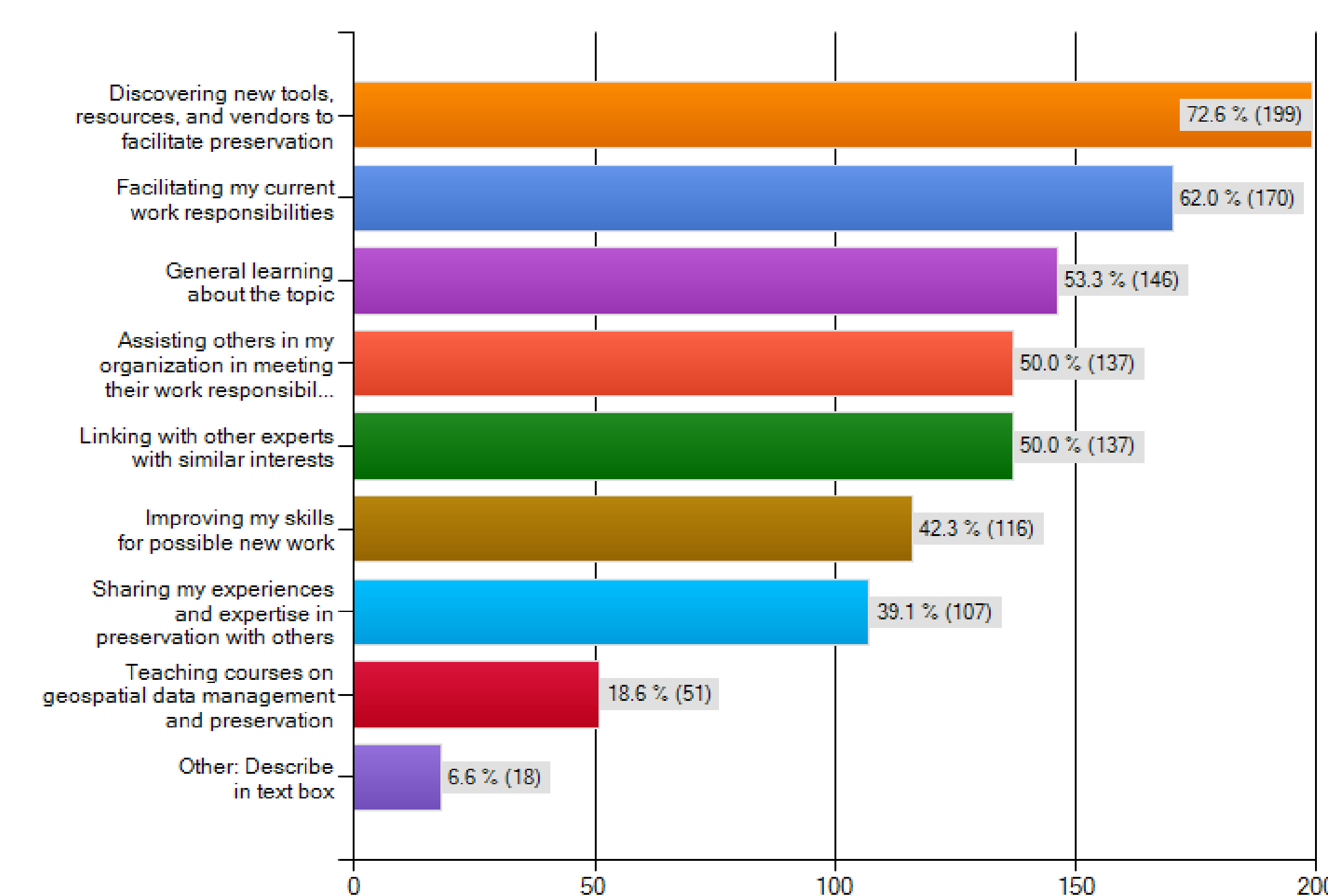
Based on answers from 298 respondents

I am concerned that valuable geospatial data that I develop or generate may not be preserved in the long run for future use.



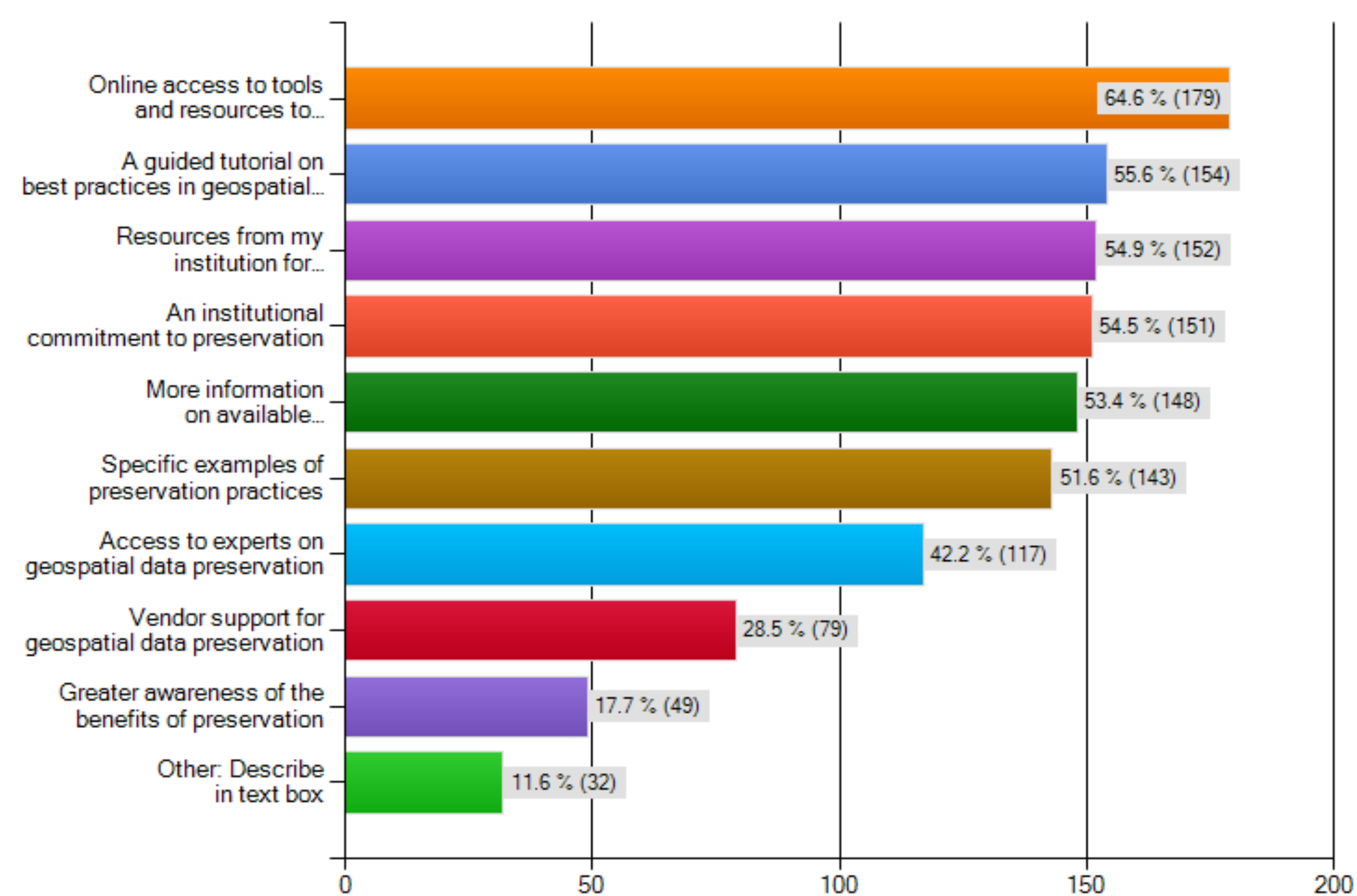
Based on answers from 298 respondents

I would use an online clearinghouse for geospatial data preservation for (choose all that apply):



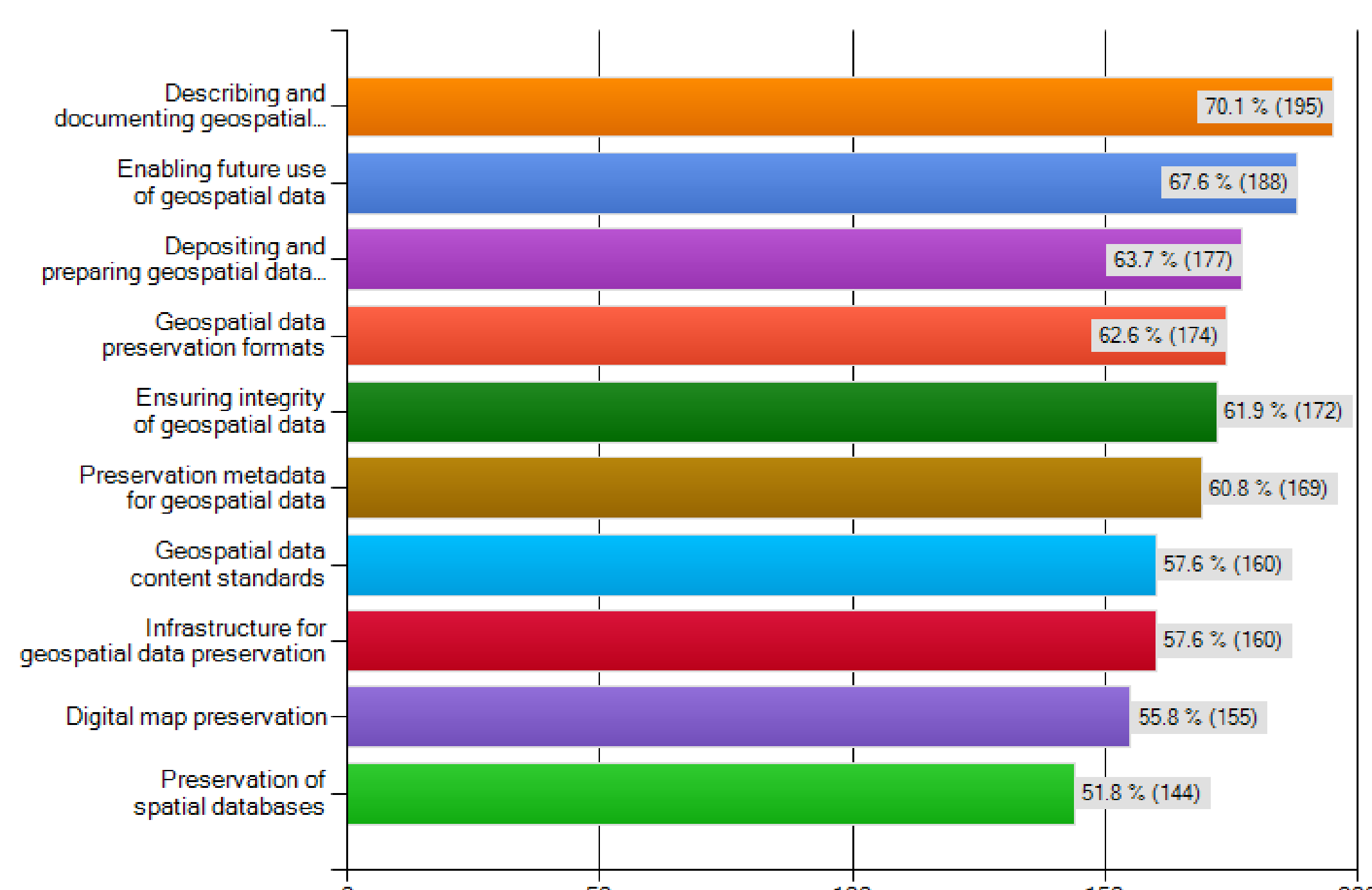
Based on answers from 274 respondents

I would spend more time on improving the long-term usability of geospatial data I manage or work with if I had (choose all that apply):



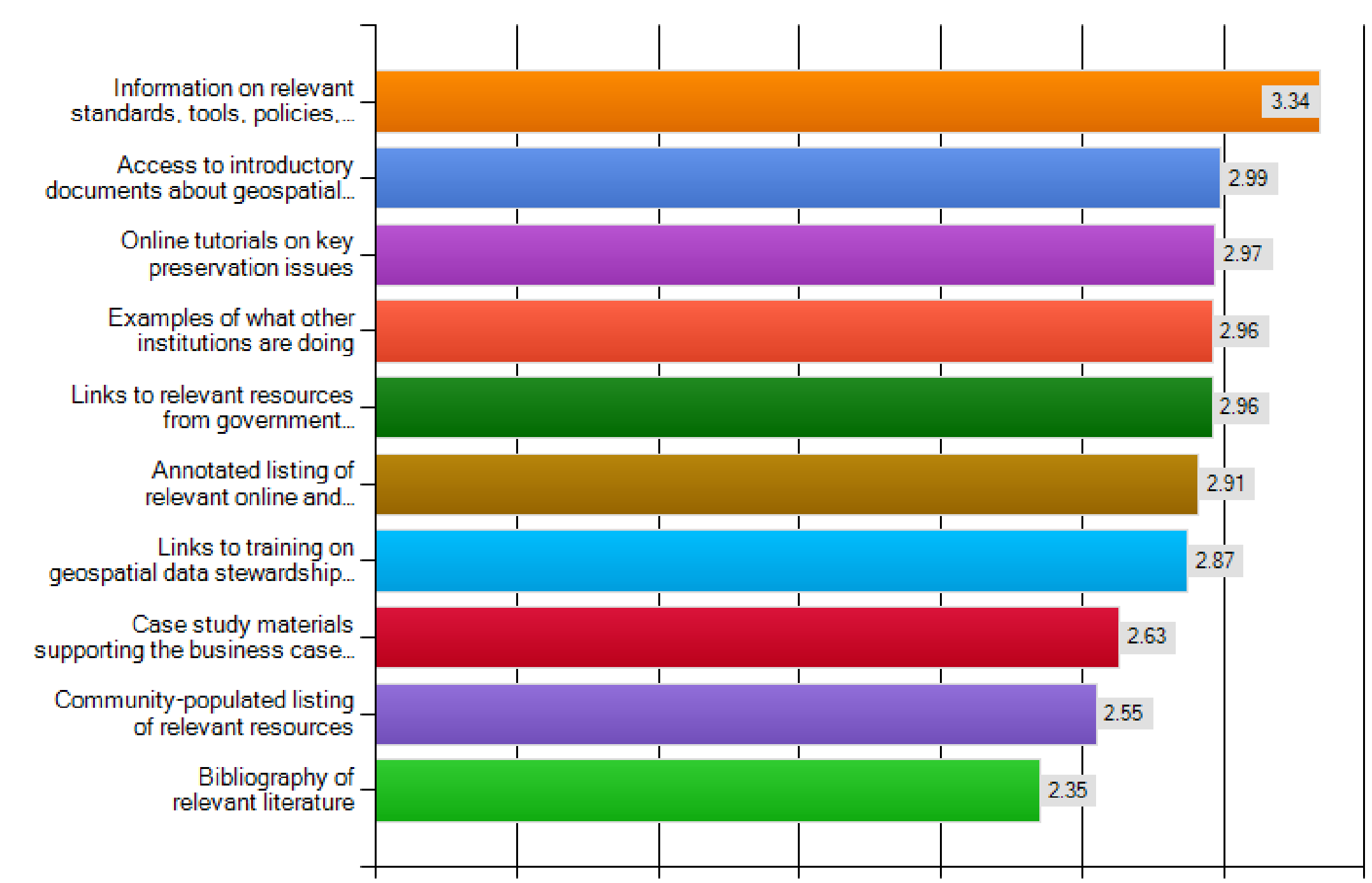
Based on answers from 277 respondents

I would be interested in the following topics related to geospatial data preservation (choose all that apply):



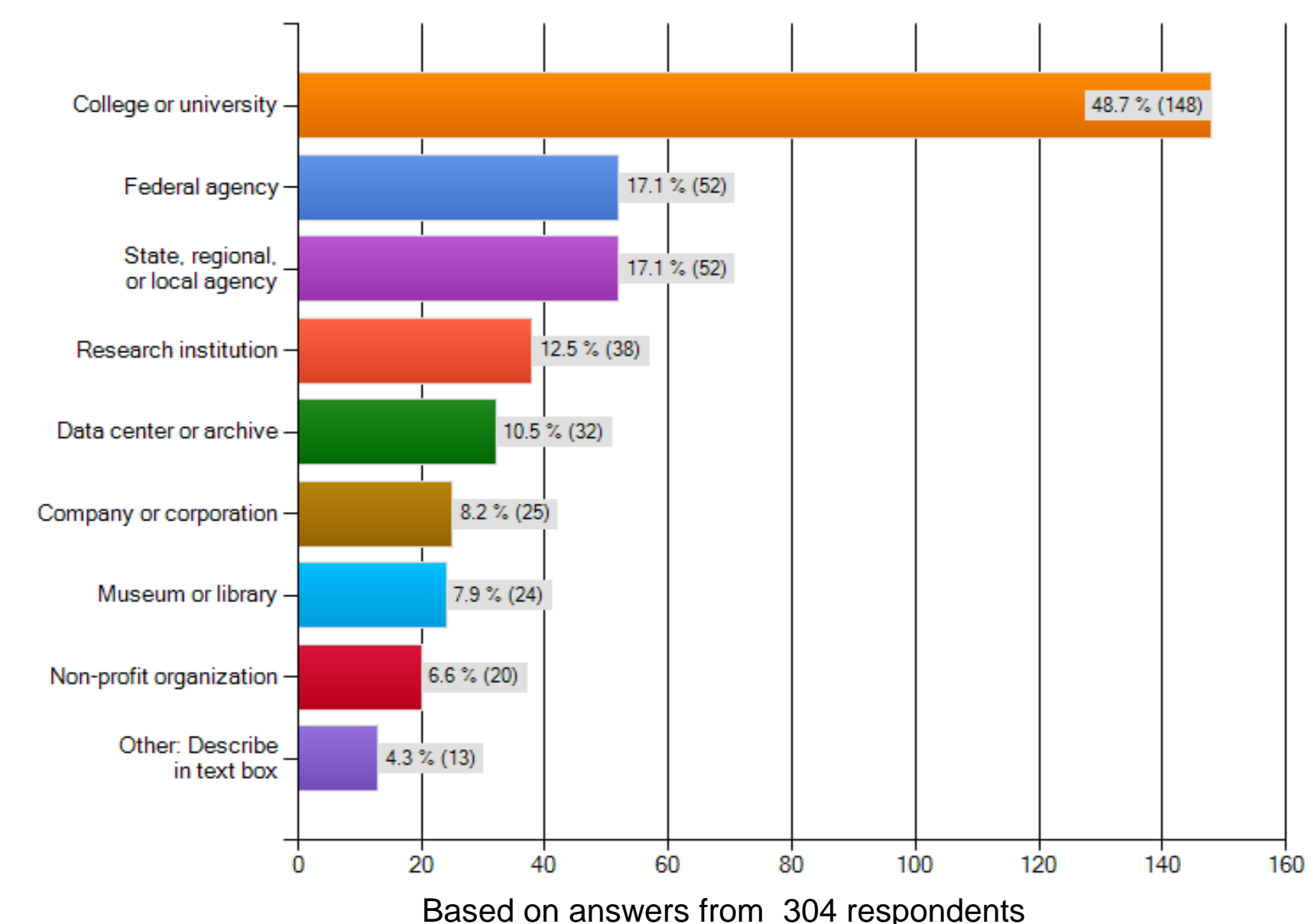
Based on answers from 278 respondents

The resources or services that could be offered by a geospatial data preservation clearinghouse of most interest and utility to me are (rate as many of the items below as you want):



Based on answers from 259 respondents

My principal employer is a (choose all that apply):



Based on answers from 304 respondents

Data presented here are based on 464 survey responses received from July 9, 2010 to September 5, 2010. Of those who responded, 60% are male and 40% are female. 81% are employed in the U.S., 6% in Canada, and the remainder in other countries. More than 56% have used geospatial for 10 or more years, and 80% for 5 or more years. Human subjects research protocol approved by the Columbia University IRB.

