

Measuring the Impact of a Scientific Data Center

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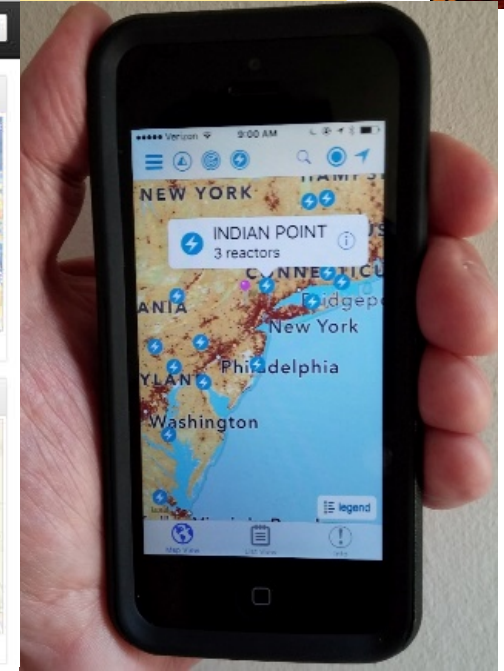
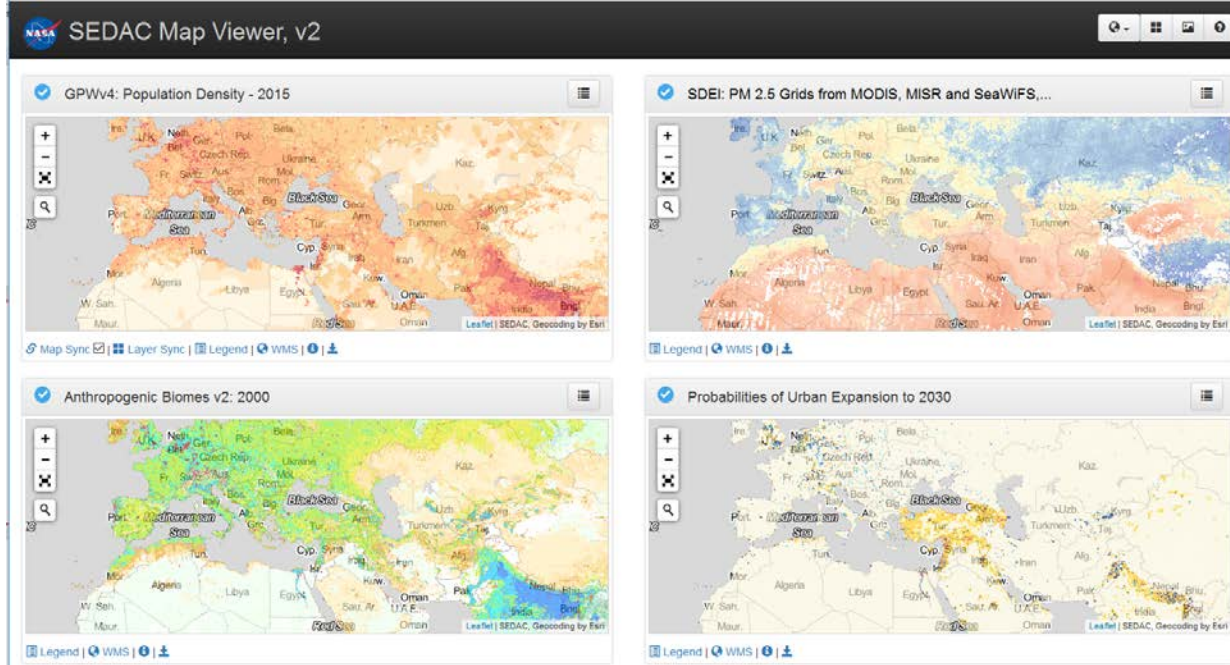
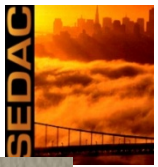
NITRD Big Data Workshop: Measuring the Impact of Digital Repositories
Stafford I-1235

National Science Foundation
Washington DC; 28 February – 1 March 2017

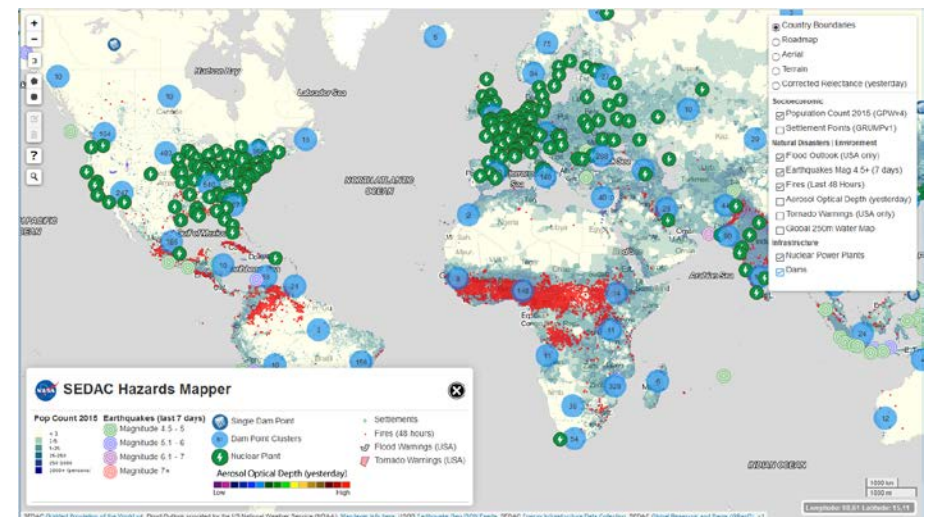
Session 1: Insight from Repository Managers
Tuesday, 28 February 2017; 9:30 a.m. – 10:45 a.m.



NASA Socioeconomic Data and Application Center (SEDAC)

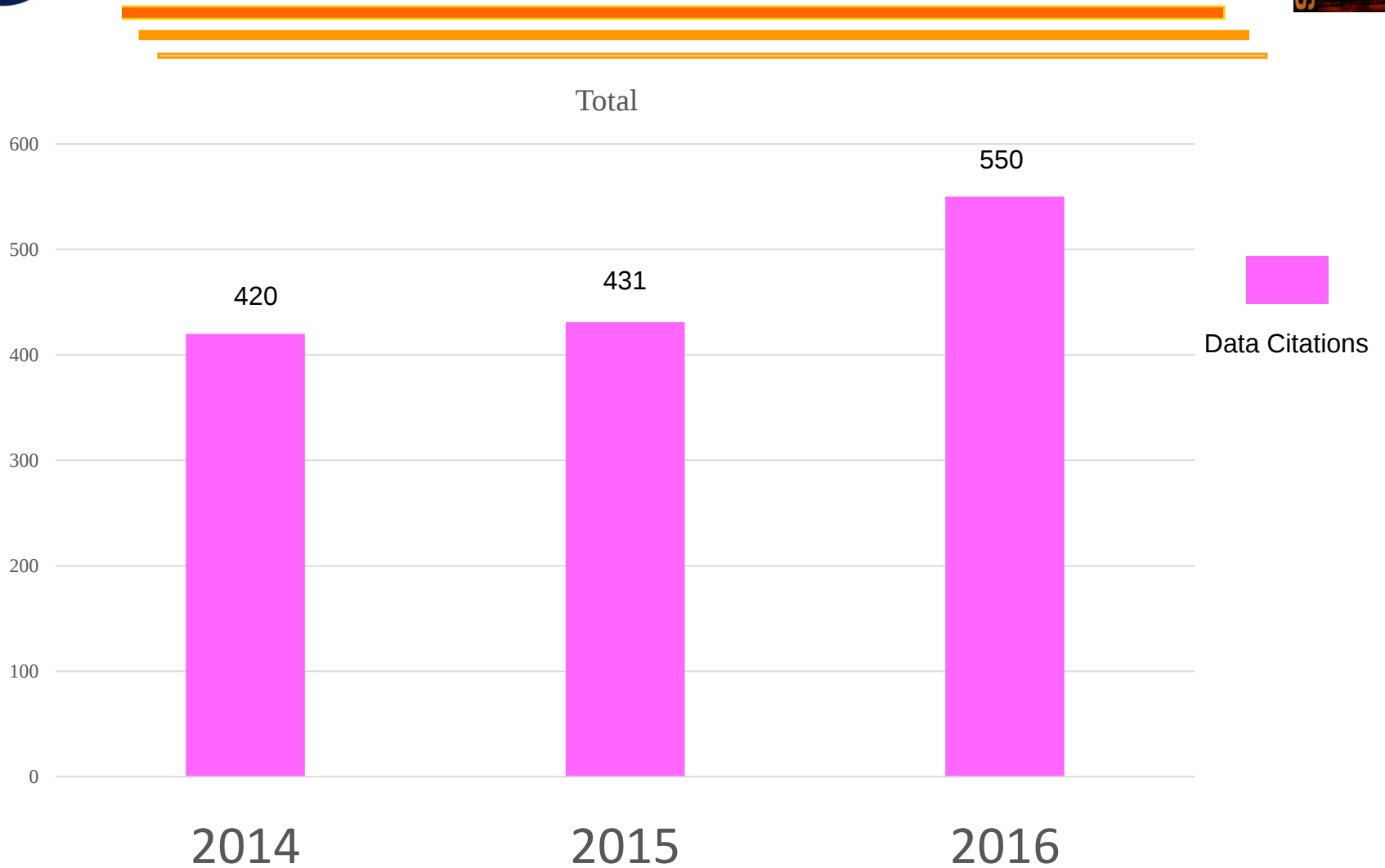
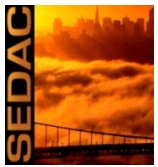


- Human Interactions in the environment
- Mission: “develop and operate applications that support the integration of socioeconomic and Earth science data and to serve as an "Information Gateway" between the Earth and social sciences”



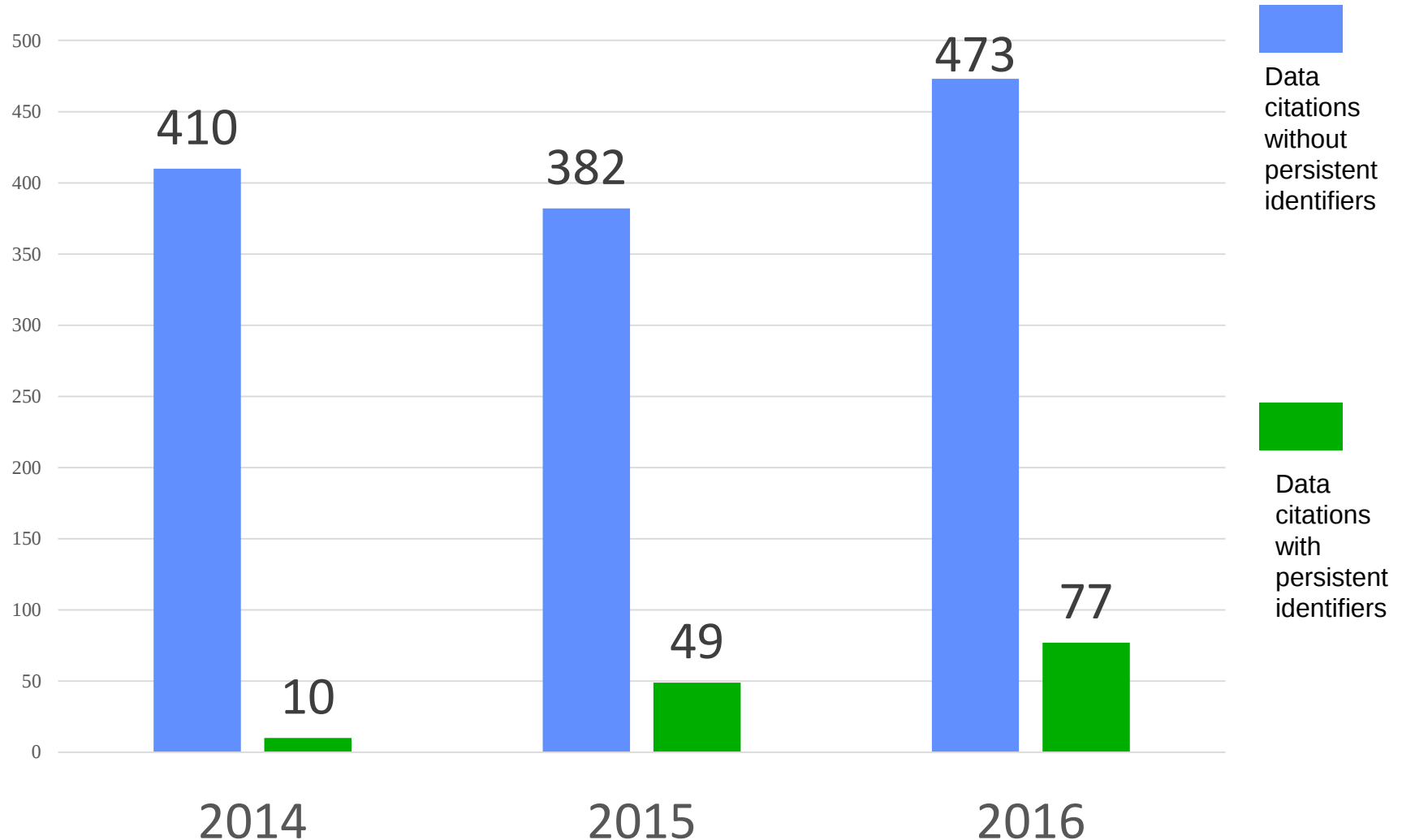
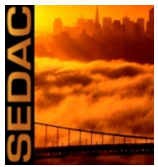


Recent Citations of SEDAC Data





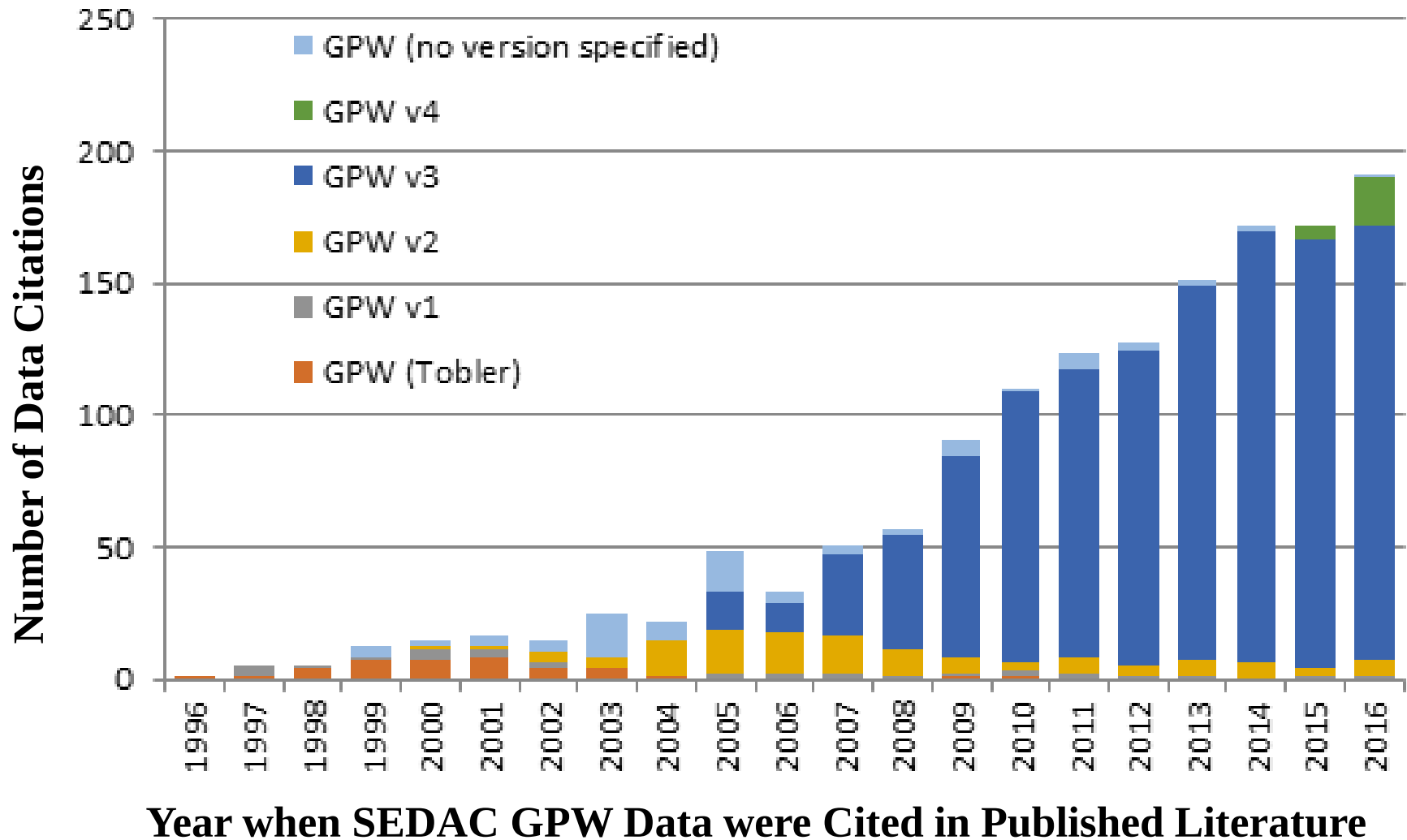
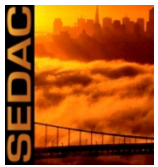
Including Persistent Identifiers in Data Citations



Derived from Downs, et al. 2016.

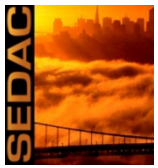


Gridded Population of the World (GPW) Data: Citations By Year





Multidisciplinary Impact of SEDAC Data



Web of Science Categories, Subject Areas, and Major
Fields Represented by 1480 Articles Citing SEDAC
Data within 540 Journals from 2004-2013

216 Categories

Web of Science® (WoS)
Category Assignments

92 Subject Areas

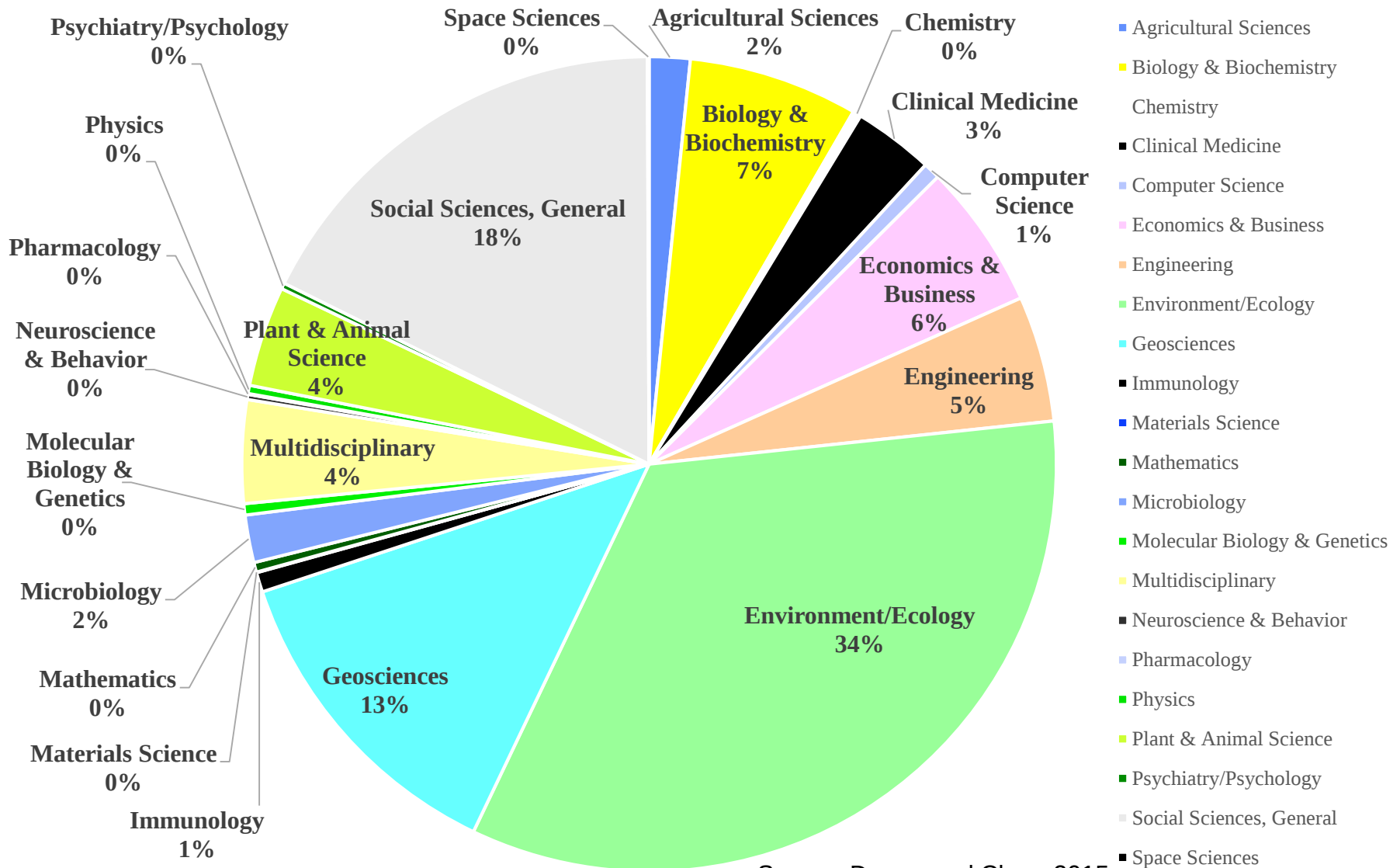
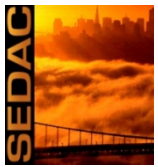
Web of Knowledge®
Subject Classifications

22 Major Fields

ScienceWatch® Major Fields



22 Major Fields of Science Represented by 1480 articles within 540 Journals that Cited SEDAC Data 2004-2013



Source: Downs and Chen. 2015