



**CONGRESSIONAL BUDGET OFFICE  
COST ESTIMATE**

July 11, 2007

**H.R. 906**

**Global Change Research and Data Management Act of 2007**

*As ordered reported by the House Committee on Science and Technology  
on June 27, 2007*

**SUMMARY**

H.R. 906 would repeal the Global Change Research Act of 1990 and replace it with the text of this legislation, aimed at supporting research on natural and human-induced changes in the global environment and coordinating interagency research programs.

CBO estimates that implementing H.R. 906 would cost \$10 million in 2008 and about \$50 million over the 2008-2012 period, subject to appropriation of the specified and necessary funds. Enacting the bill would not affect direct spending or revenues.

H.R. 906 contains no intergovernmental or private-sector mandates as defined in the Unfunded Mandates Reform Act (UMRA). Any costs to state and local governments would be incurred voluntarily.

**ESTIMATED COST TO THE FEDERAL GOVERNMENT**

The estimated budgetary impact of H.R. 906 is shown in the following table. The costs of this legislation fall within budget functions 250 (general science, space, and technology) and 800 (general government).

|   | By Fiscal Year, in Millions of Dollars |      |      |      |      |
|---|--|------|------|------|------|
|   | 2008                                   | 2009 | 2010 | 2011 | 2012 |
| <b>CHANGES IN SPENDING SUBJECT TO APPROPRIATION</b> |  |      |      |      |      |
| United States Global Change Research Program        |  |      |      |      |      |
| Authorization Level                                 | 10                                     | 10   | 10   | 10   | 10   |
| Estimated Outlays                                   | 8                                      | 10   | 10   | 10   | 10   |
| Reports   |  |      |      |      |      |
| Estimated Authorization Level                       | 2                                      | 1    | *    | *    | *    |
| Estimated Outlays                                   | 2                                      | 1    | *    | *    | *    |
| Total Changes                                       |  |      |      |      |      |
| Estimated Authorization Level                       | 12                                     | 11   | 10   | 10   | 10   |
| Estimated Outlays                                   | 10                                     | 11   | 10   | 10   | 10   |

\* = less than \$500,000.

## BASIS OF ESTIMATE

For this estimate, CBO assumes that the legislation will be enacted near the start of fiscal year 2008, that the specified and necessary amounts will be appropriated for each fiscal year, and that outlays will follow historical trends for similar activities. CBO estimates that implementing H.R. 906 would cost \$10 million in 2008 and about \$50 million over the 2008-2012 period.

## United States Global Change Research Program

Section 104 would establish an interagency United States Global Change Research Program and authorize the appropriation of \$10 million a year over the 2008-2013 period. Under this program, the Office of Science and Technology Policy would work with other federal agencies on climate change programs and workshops. Assuming appropriation of the specified amounts, CBO estimates that implementing this program would cost \$8 million in 2008 and \$48 million over the 2008-2012 period.

## Reports

H.R. 906 would require reports by the National Academy of Sciences within 18 months of enactment on the status of the earth's ice sheets, and on the impact of climate change on the

frequency and severity of hurricanes and typhoons. The legislation also would establish an interagency working group to report on the coordination of activities related to the management and archival of federal climate and global change data. Based on the cost of similar studies, CBO estimates that the reports would cost \$3 million over the 2008-2012 period.

## **INTERGOVERNMENTAL AND PRIVATE-SECTOR IMPACT**

H.R. 906 contains no intergovernmental or private-sector mandates as defined in UMRA. The bill would require the responsible federal entities to consult with state, regional, and local authorities. Any costs to state and local governments would be incurred voluntarily.

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