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NATIONAL ACADEMY OF ENGINEERING
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NATIONAL RESEARCH COUNCIL

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NATIONAL RESEARCH COUNCIL

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INTELLIGENCE ANALYSIS THE FUTURE OF
COMPUTING PERFORMANCE
Advances from the Behavioral and Social Sciences
Game Over or Next Level?

Welcome to the National Research Council

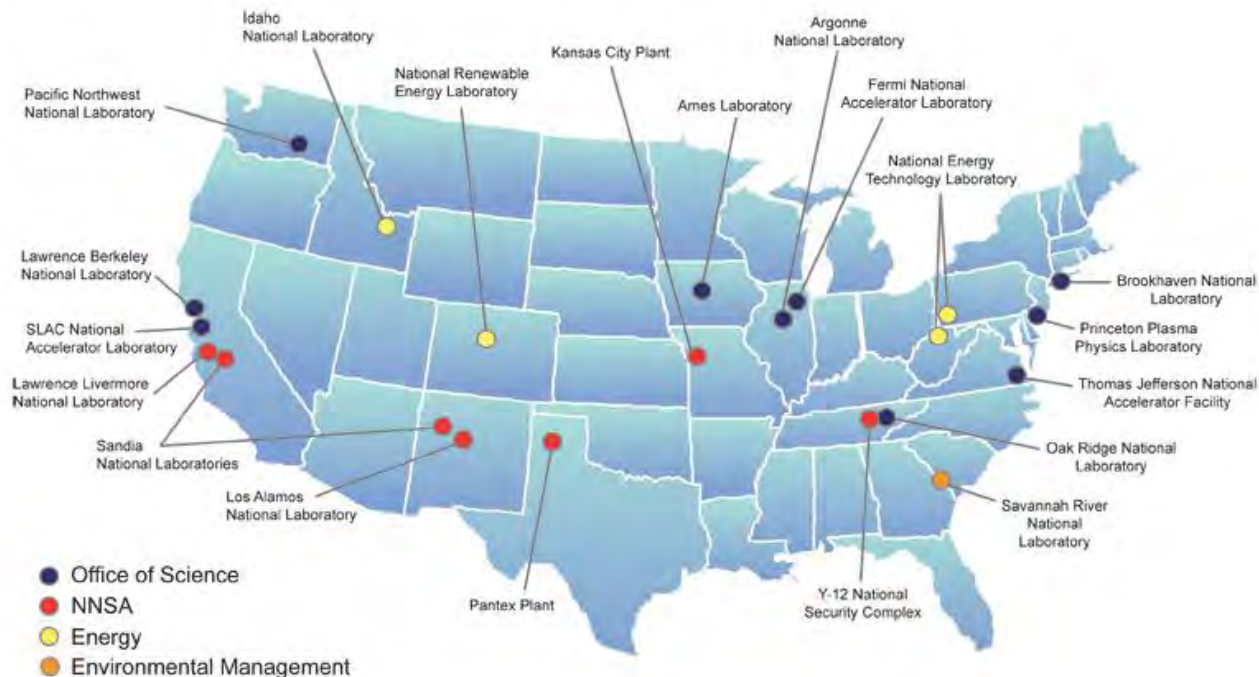
Our mission is to improve government decision making and public policy, increase public understanding, and promote the acquisition and dissemination of knowledge in matters involving science, engineering, technology, and health. The Research Council's independent, expert reports and other scientific activities inform policies and actions that have the power to improve the lives of people in the U.S. and around the world.

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National Laboratories

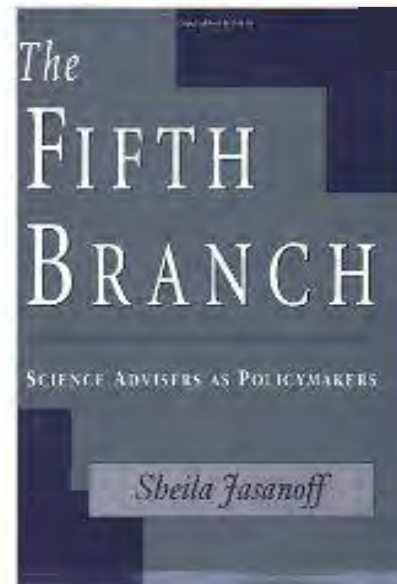
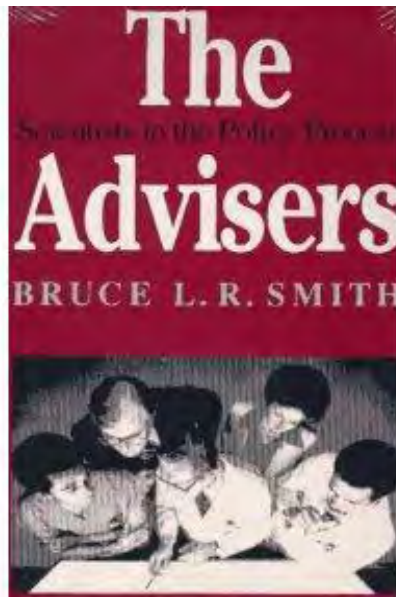
Several Executive Branch agencies have systems of laboratories that do technically-based risk and policy analysis. Here, for example are those operated by the Department of Energy:



Federal - Executive Branch

In addition to the Lab systems, there are also policy analysis groups within most US federal agencies.

In addition, there are a variety of advisory committees, the two longest standing and most successful being DoD's Defense Science Board and EPA's Science Advisory Board. For details see:



In the White House



There is OSTP and PCAST



OSTP's and PSAC's roles vary from administration to administration. OSTP tends to have a very small staff with many seconded from Executive Branch agencies.



Federal - Congressional

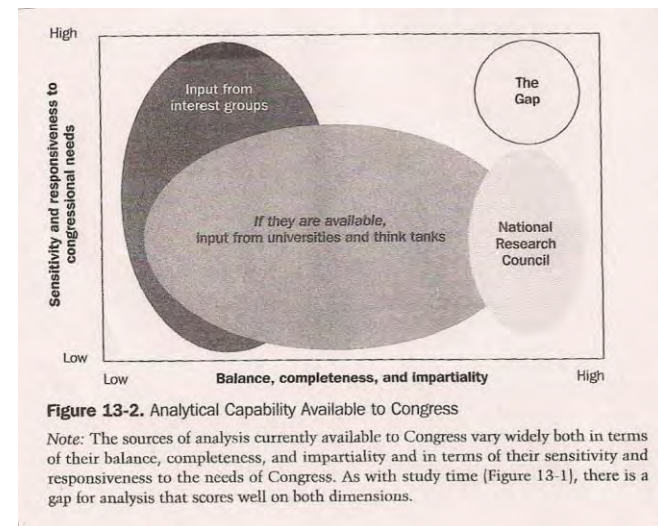
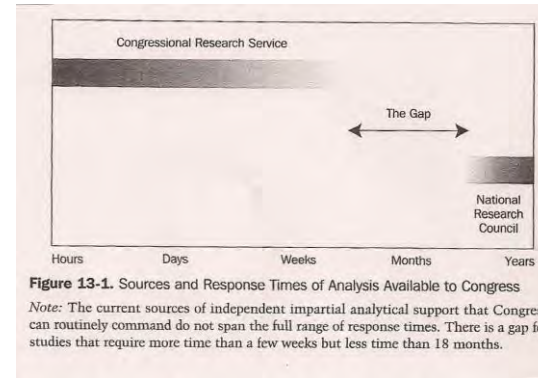
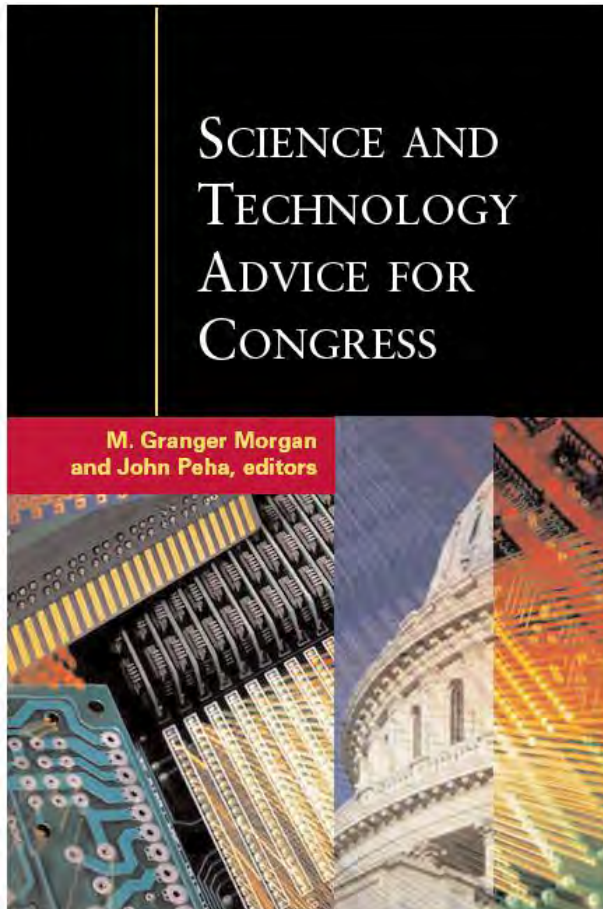
Congress has three analysis groups:

- The Congressional Budget Office
- The Congressional Research Service
- The General Accountability Office

Concerned that the Executive Branch had more analytical support than the Congress, in 1972 Congress created the Office of Technology Assessment. OTA was “defunded” in 1995 as part of the “Gingrich revolution.”

Many other nations have modeled organizations after OTA. However, it is unlikely that given the political climate in the US we will see an OTA-like entity again in the near future.

For details on S&T advice to Congress



University programs

Many schools of public policy, public health, etc. do some risk and policy analysis. On the more technical end of things, there are three major players:



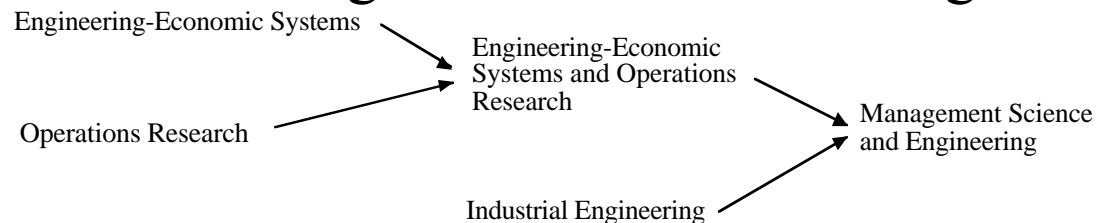
Carnegie Mellon
Department of Engineering and Public Policy



MIT Engineering Systems Division (TPP/TMP)



Stanford Management Science and Engineering



I'll turn now to Manuel Heitor...

...who will talk from a European perspective,
focusing mainly on university programs.