Navigating NSF Programs

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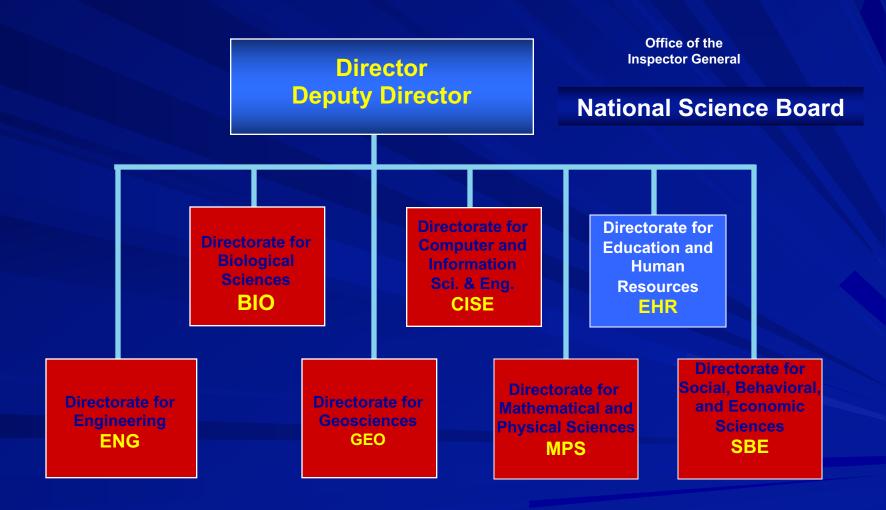
Essential Conditions for Submitting a Proposal to NSF

- Novel idea
 - Synthesis of prior knowledge and experience to address new phenomena with potential leading to a technological breakthrough – "left or right turn" from current research
 - Interdisciplinary ideas with partners
- Capable people
 - Track record of the PI and partners
- State-of-the-art tools
 - Instrumentation
 - Access to institutional or national facilities

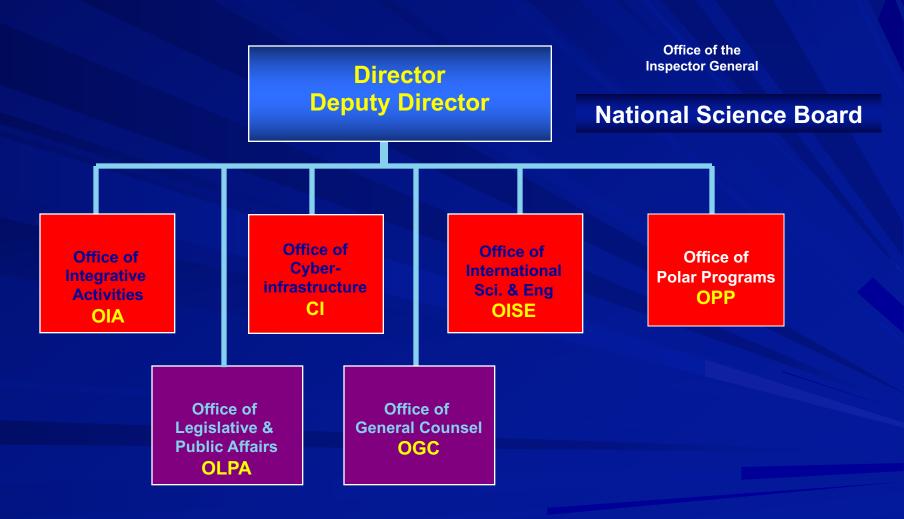
Identification of the funding source

- Federal agencies
 - NSF (fundamental research)
 - NIH (biomedical research)
 - Mission agencies
- Foundations
 - ACS-PRF
 - Dreyfus new faculty
 - Beckman new faculty
- Institutional sources

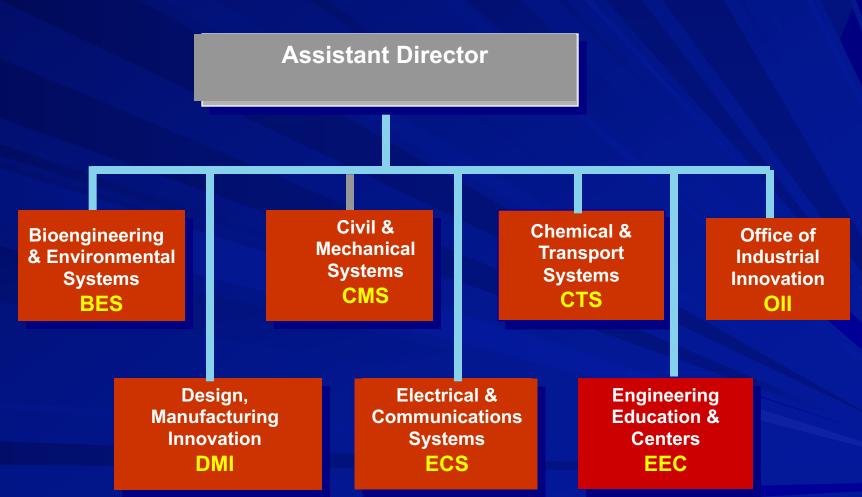
National Science Foundation



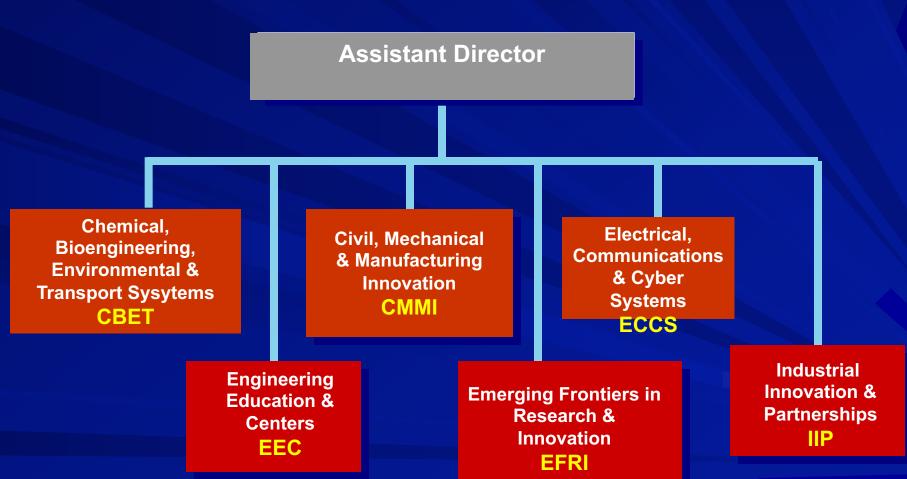
National Science Foundation



Divisions in Engineering Directorate - 2006



Divisions in Engineering Directorate – 2007 (10/1/2006)



NSF Programs

Core Programs
(Within a Division)

Crosscutting Programs
(All Directorates Participate)

Priority Areas
(Across Some Directorates)

Initiatives (Crosscutting and transient)

Suggestions

- Identify programs central to your research interests. Try to meet with program directors.
- Most education, training, international and centers programs are coordinated with the disciplinary programs.
- Pay attention to the broader impacts of your proposal.
- Read the NSF budget (pp 79-102 of the 2007 budget for ENG directorate)

Questions to Ask NSF Program Directors

- Does your idea fit the specific program?
- What are the new areas and solicitations?
- What will be the review process (panel, mail or combination)?
- What are the budgets and expected success rates?
- Volunteer to serve as a reviewer.

Be proactive!