

# EPA STAR Grant Abstract (EXAMPLE FORMAT)

**Abstract:** The abstract is a very important document. Prior to attending the peer review panel meetings, some of the panelists may read only the abstract. Therefore, it is critical that the abstract accurately describe the research being proposed and convey all the essential elements of the research. Also, the abstracts of funded applications will be posted on the NCER web site. The abstract, **limited to one page**, should include the following information, as indicated in this example format. Examples of abstracts for current grants may be found on the NCER web site.

- 1. Research Category and Sorting Code:** Enter the full name of the solicitation to which your application is submitted and use the correct code that corresponds to the appropriate RFA topic. (Be sure to substitute the appropriate letter and number for the "XX" in 2003-STAR-XX).
- 2. Title:** Use the exact title as it appears in the rest of the application. The title of the application must be brief, yet represent the major thrust of the project. Because the title will be used by those not familiar with the project, avoid highly technical words or phraseology. Do not use phrases such as "research on."
- 3. Investigators:** Start with the Principal Investigator. Also list the names and affiliations of each major co-investigator who will significantly contribute to the project. Provide a website url and/or email contact address for additional information
- 4. Institution:** List the name and city/state of each participating university or other applicant institution, in the same order as the list of investigators.
- 5. Project Period:** Provide the proposed project beginning and ending dates.
- 6. Project Cost:** Provide the total request to EPA for the entire project period.
- 7. Project Summary:** This should summarize: (a) the **objectives** of the study (including any hypotheses that will be tested), (b) the experimental **approach** to be used (which should give an accurate description of the project as described in the proposal), and (c) the **expected results** of the project and how it addresses the research needs identified in the solicitation, including the estimated improvement in risk assessment or risk management that will result from successful completion of the work proposed.
- 8. Supplemental Keywords:** A list of suggested keywords is provided for your use. Do not duplicate terms already used in the text of the abstract. Providing a complete set of keywords is very important.

## SUGGESTED KEYWORDS

**Media:** (media, air, ambient air, atmosphere, ozone, water, drinking water, watersheds, groundwater, land, soil, sediments, acid deposition, global climate, indoor air, mobile sources, CASTNET, stratospheric ozone, tropospheric, marine, estuary, precipitation, leachate, adsorption, absorption, chemical transport)

**Risk Assessment:** (exposure, risk, risk assessment, effects, health effects, ecological effects, human health, bioavailability, metabolism, vulnerability, sensitive populations, dose-response, carcinogen, teratogen, mutagen, animal, mammalian, organism, cellular, population, enzymes, infants, children, elderly, stressor, age, race, diet, metabolism, genetic pre-disposition, genetic polymorphisms, sex, ethnic groups, susceptibility, cumulative effects)

**Chemicals, toxics, toxic substances:** (chemicals, toxics, particulates, ODS, VOC, CFC, PAH, PNA, PCB, dioxin, metals, heavy metals, solvents, oxidants, nitrogen oxides, sulfates, organics, DNAPL, NAPL, pathogens, viruses, bacteria, acid rain, effluent, discharge, dissolved solids, intermediates)

**Ecosystem Protection:** (ecosystem, indicators, restoration, regionalization, scaling, terrestrial, aquatic, habitat, integrated assessment)

**Risk Management:** pollution prevention (green chemistry, life-cycle analysis, alternatives, sustainable development, clean technologies, innovative technology, nanotechnology, renewable, waste reduction, waste minimization, environmentally conscious manufacturing); treatment (remediation, bioremediation, cleanup, incineration, disinfection, oxidation, restoration)

**Public Policy:** (public policy, decision making, community-based, cost-benefit, conjoint analysis, observation, non-market valuation, contingent valuation, survey, psychological, preferences, public good, Bayesian, socio-economic, willingness-to-pay, compensation, conservation, environmental assets, sociological)

**Scientific Disciplines:** (environmental chemistry, marine science, biology, physics, engineering, social science, ecology, hydrology, geology, histology, epidemiology, genetics, pathology, mathematics, limnology, entomology, zoology)

**Methods/Techniques:** (EMAP, modeling, monitoring, analytical, surveys, measurement methods, general circulation models, climate models, satellite, landsat, remote sensing)

**Geographic Areas:** (Northeast, central, Northwest, Chesapeake Bay, Great Lakes, Midwest, Mid-Atlantic, states: {use both full name and two letter abbreviation}, EPA Regions 1 through 10)

**Sectors:** (agriculture, business, transportation, industry {petroleum, electronics, printing, etc}):{identify 4 digit SIC codes}, service industry, food processing, etc)