TRANSPORTATION RESEARCH BOARD

Young Researchers Seminar
Torino, 3rd June 2009

Transportation Research Board: Overview and International Activities

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National Academy of Sciences
National Academy of Engineering
Institute of Medicine
National Research Council

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TRANSPORTATION RESEARCH BOARD

Presentation Overview

- Introduction
- The National Academies
- Transportation Research Board (TRB)
- TRB Programs
- Standing Committees
- TRB Annual Meeting
- Information Exchange

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International Activities Committee

- Jorge A. Prozzi
  - Associate Professor at The University of Texas at Austin
  - Chair, TRB International Activities A0010
- Martine Micozzi
  - Senior Program Officer
  - Transportation Administration and Policy Specialist and International Activities Coordinator
- A0010 Committee Members at YRS 2009
  - Angel Aparicio (CEDEX, Spain), Barbara Lentz (DLR, Germany), Cristina Pronello (POLITO, Italy), Neil Paulley (TRL, United Kingdom)

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TRANSPORTATION RESEARCH BOARD

Who we are and what we do

- Private, non-profit organization
- Not a federal agency
- Part of the National Academies of Sciences (NAS), created to:
  - Conduct research
  - Provide non-partisan policy advice and recommendations based on research

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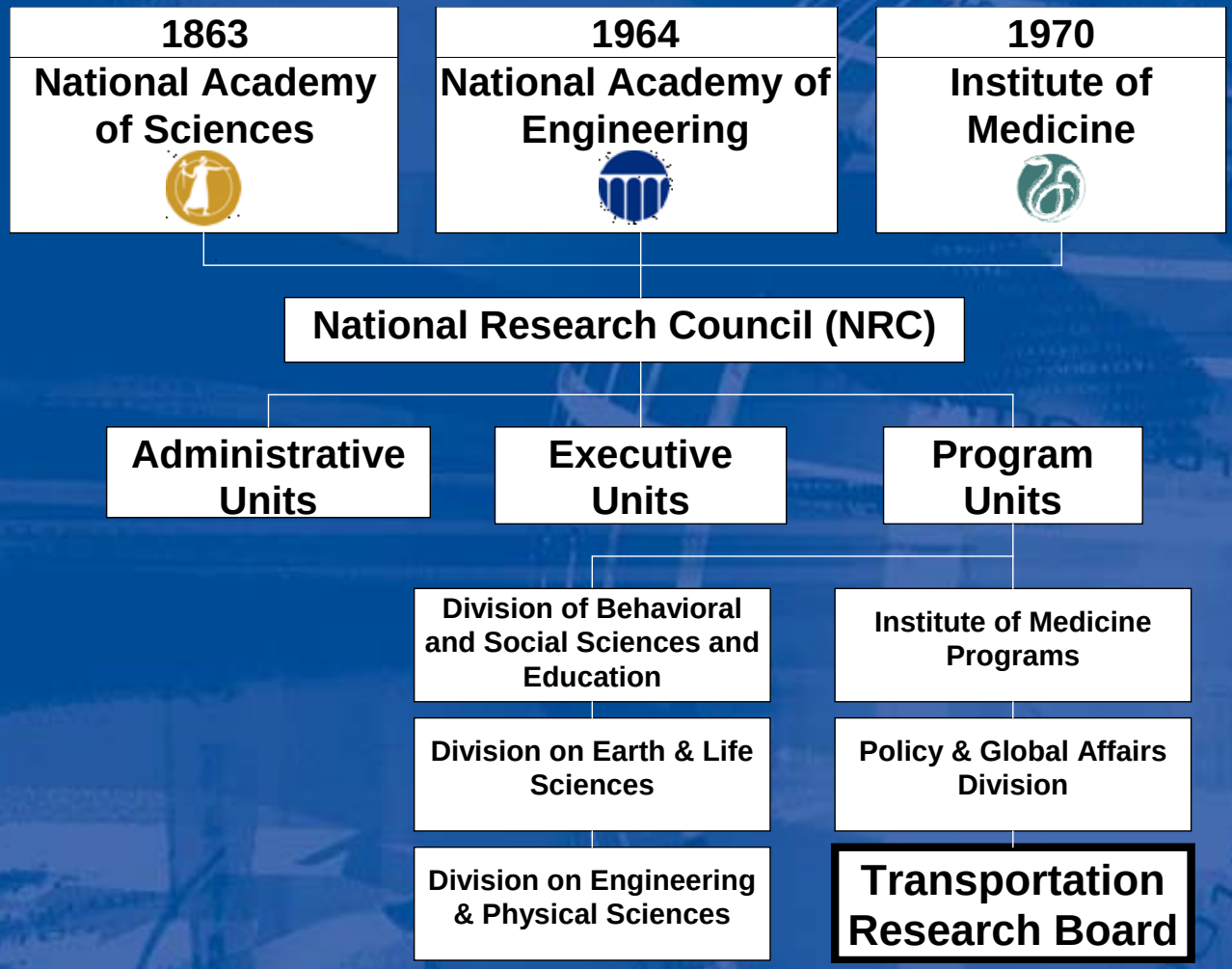
TRANSPORTATION RESEARCH BOARD

TRB in the National Academies



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TRANSPORTATION RESEARCH BOARD

Who we are and what we do

- Established in 1920 as the National Advisory Board on Highway Research
  - Exchange of information and research
- Renamed the Highway Research Board (HRB) in 1925
- In 1960s, increasing multimodal activities
- Became the Transportation Research Board (TRB) in 1974

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TRANSPORTATION RESEARCH BOARD

Who we are and what we do

- Includes all modes of transportation
  - 500 Committees and Research Panels
  - 4,500 Committee Members
  - 120 Staff
  - 150 Reports per Year
- Information Exchange
- Research Management
- Policy Analysis and Advice
- Publications and Research Information

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TRANSPORTATION RESEARCH BOARD

TRB Organization

Transportation Research Board

Executive Committee

Technical Activities
- 200+ Standing Committees and Task Forces
- Organizes Annual Meeting

Cooperative Research Programs
Highway, Transit, Airport, Freight and Hazardous Materials

Studies and Information Services
- Policy & Synthesis Studies
- IDEA Programs

Strategic Highway Research Program (SHRP) II
Advances Research in Performance and Safety for U.S. Highway Users

Administration and Finance
- Financial and Technical Support
- Contract and Grants Oversight

Marine Board
Members Appointed by the National Research Council

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TRANSPORTATION RESEARCH BOARD

TRB Mission

- *The mission of the Transportation Research Board is to provide leadership in transportation innovation and progress through research and information exchange, conducted within a setting that is objective, interdisciplinary, and multimodal.*

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TRANSPORTATION RESEARCH BOARD

TRB Executive Committee

- Directs all policies and activities of the Transportation Research Board
  - Shapes agenda, approves projects, and authors statement on critical transportation issues
- Members are appointed by the chairman of the National Research Council (NRC)
  - Composed of about 25 individuals from government, industry, and academia, and a variable number of ex-officio members
- Ex Officio members represent TRB sponsoring organizations

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TRB Sponsors and Affiliates

- Provide support for TRB core programs and activities
- There are five levels of support
  - Sponsor
  - Sustaining Affiliate
  - Organizational Affiliate
  - Individual Affiliate
  - Student Affiliate

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Sponsor Level Support

- Limited to federal, state, and local government agencies and non-profit organizations that represent industry sectors
- Benefits tailored to the services that the organization wishes to receive and is subject to a minimum contribution. At a minimum, these benefits include:
  - Ex Officio representation on Executive Committee
  - Complimentary registration for all employees to Annual Meeting
  - Full access to TRB website, including all online publications
  - Complimentary subscription to TR News and printed copies of all published reports
  - Free exhibit space

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Affiliate Support

- Affiliate levels (Sustaining, Organizational, Individual or Student) are available to those not eligible or that do not elect to become sponsors
- Available benefits depend on the level of services desired and are subject to a minimum annual contribution
- Benefits do not include Ex Officio representation on the Executive Committee

TRANSPORTATION RESEARCH BOARD

Cooperative Research Programs (CRP)

- Applied, contract research programs that develop near-term, practical solutions to transportation problems
- Each project has an oversight panel to develop RFP, select contractor, and monitor project through completion
  - Panel members appointed by TRB
  - Federal agency liaisons invited to participate
- Five established cooperative research programs
  - Highway (NCHRP)
  - Transit (TCRP)
  - Airport (ACRP)
  - Freight (NCFRP)
  - Hazardous Materials (HMCRP)

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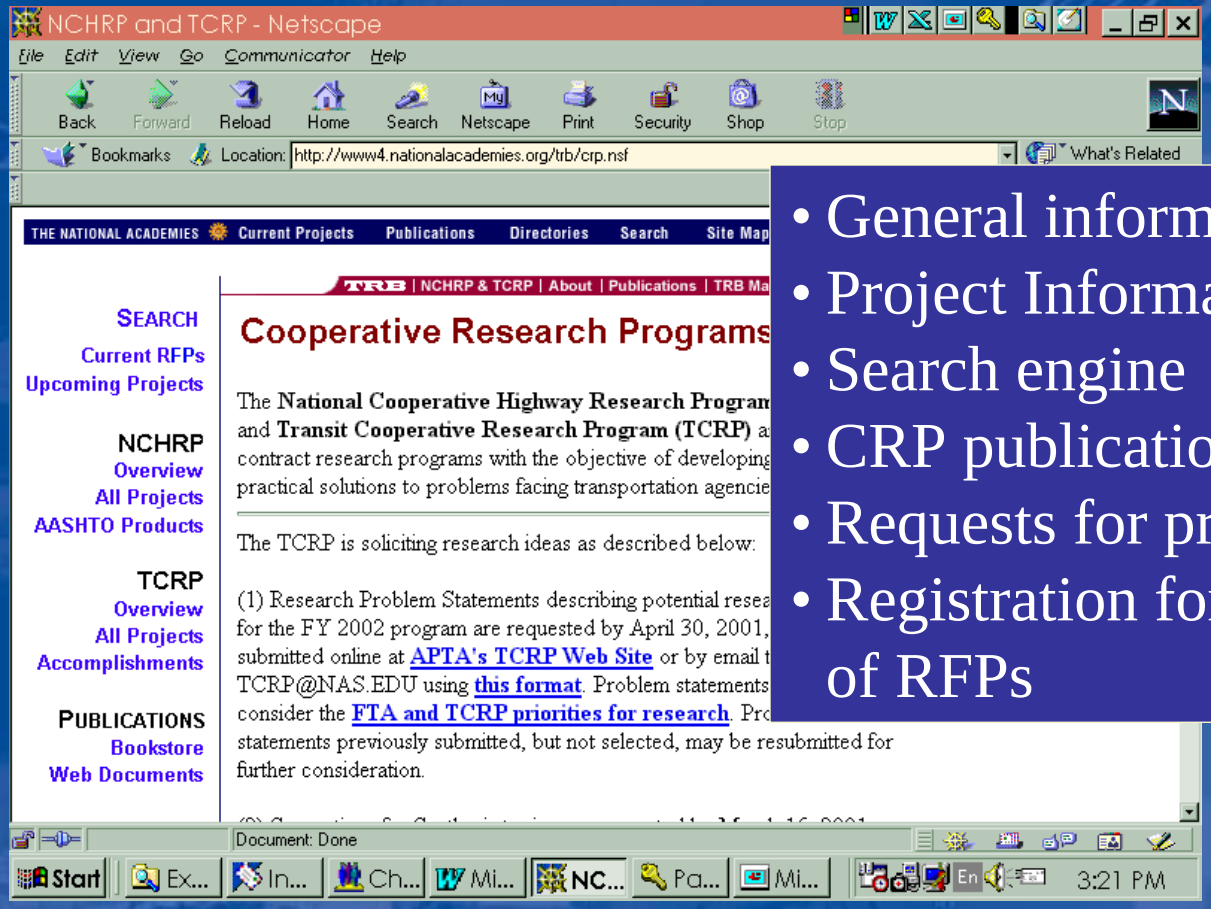
CRP Products



- General information
- Project Information
- Search engine
- CRP publications
- Requests for proposals (RFP)
- Registration form for notification of RFPs

http://www.trb.org/crp/about/divd.asp

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Strategic Highway Research Program 2

- Safety: Making a significant improvement in highway safety
- Renewal: Accelerating the renewal of America's highways
- Reliability: Providing a highway system with reliable travel times
- Capacity: Providing highway capacity in support of the nation's economic, environmental, and social goals

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TRANSPORTATION RESEARCH BOARD

TRB Committees: Modes and Disciplines

DISCIPLINES

- Policy and Organization
- Planning and Environment
- Design and Construction
- Operations and Maintenance
- Safety and Systems Users
- Legal Resources

MODES

- Highways
- Public Transportation
- Freight Systems
- Rail
- Air
- Marine
- Non-Motorized

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TRANSPORTATION RESEARCH BOARD

Standing Committees Activities

- Identify research needs
- Encourage needed research
- Sponsor sessions, conferences and meetings
- Review and recommend papers
- Disseminate information and best practices

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Standing Committees Activities

- Membership rotated every 3 years
- Each committee is given 25 member slots
- To encourage diversity additional members are permitted in two categories
  - Young Members
  - International Members
- “Friend” category
- Liaisons with other committees can either be committee members or friends

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Standing Committees Activities

- TRB Committee on International Activities (A0010)
- Subcommittee on Conduct of Research and International Technology Transfer
- Subcommittee of Ibero-American Activities
- Subcommittee on International Research Cooperation, ECTRI-TRB
- Memoranda of Understanding (MoU)
  - ECTRI
  - PIARC

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Benefits of your Involvement

- To learn from others and share with others experts in your field
- Keep yourself and your organization up to date on latest research and issues
- Get to know today's leaders in the transportation profession
- Leaders in profession get to know you!
- Become part of the largest transportation community

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How to get Involved

- Talk to TRB Committee members that you know and TRB staff members
- Visit TRB website (www.TRB.org)
- Review scopes of committees of interest
- Select the committee(s) of interest and contact the committee chair or TRB staff representative
- Provide summary of your background and interest

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TRANSPORTATION RESEARCH BOARD

TRB Annual Meeting in 1920s

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TRANSPORTATION RESEARCH BOARD

TRB Annual Meeting Today

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TRB Annual Meeting Program

- Over 500 sessions
- More than 2,500 presentations
- 350 TRB committee meetings

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"My First" TRB Annual Meeting

- New and Young Attendees Welcome Session
- International Reception
- Young Researcher and Discussion Forums
  - Presentations That Won't Leave Your Audience in the Dark!
  - Data Analysis Working Group (DAWG)
  - Doctoral Student Research in…
    - Transportation Operations and Traffic Control
    - Bituminous Materials and Mixtures
    - Transportation Modeling

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www.TRB.org

RESEARCH BOARD

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TRANSPORTATION RESEARCH BOARD

Highway Capacity Manual 2000

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TRANSPORTATION RESEARCH BOARD

TRB e-Newsletter

- It is free
- New TRB Publications
- Upcoming TRB Meetings and Conferences
- Federal Research News
- University Research News
- International Research News
- 25,000 Subscribers

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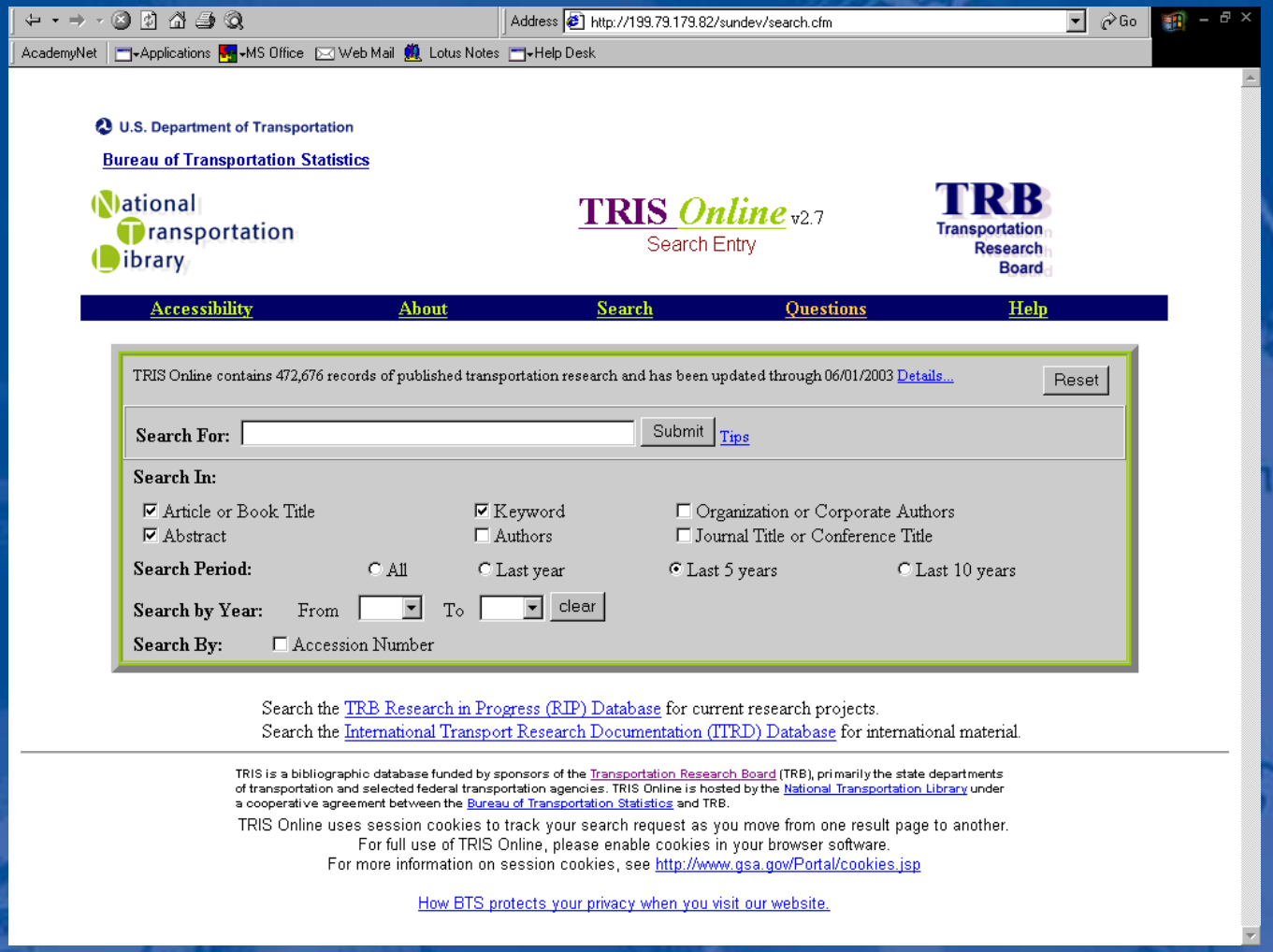

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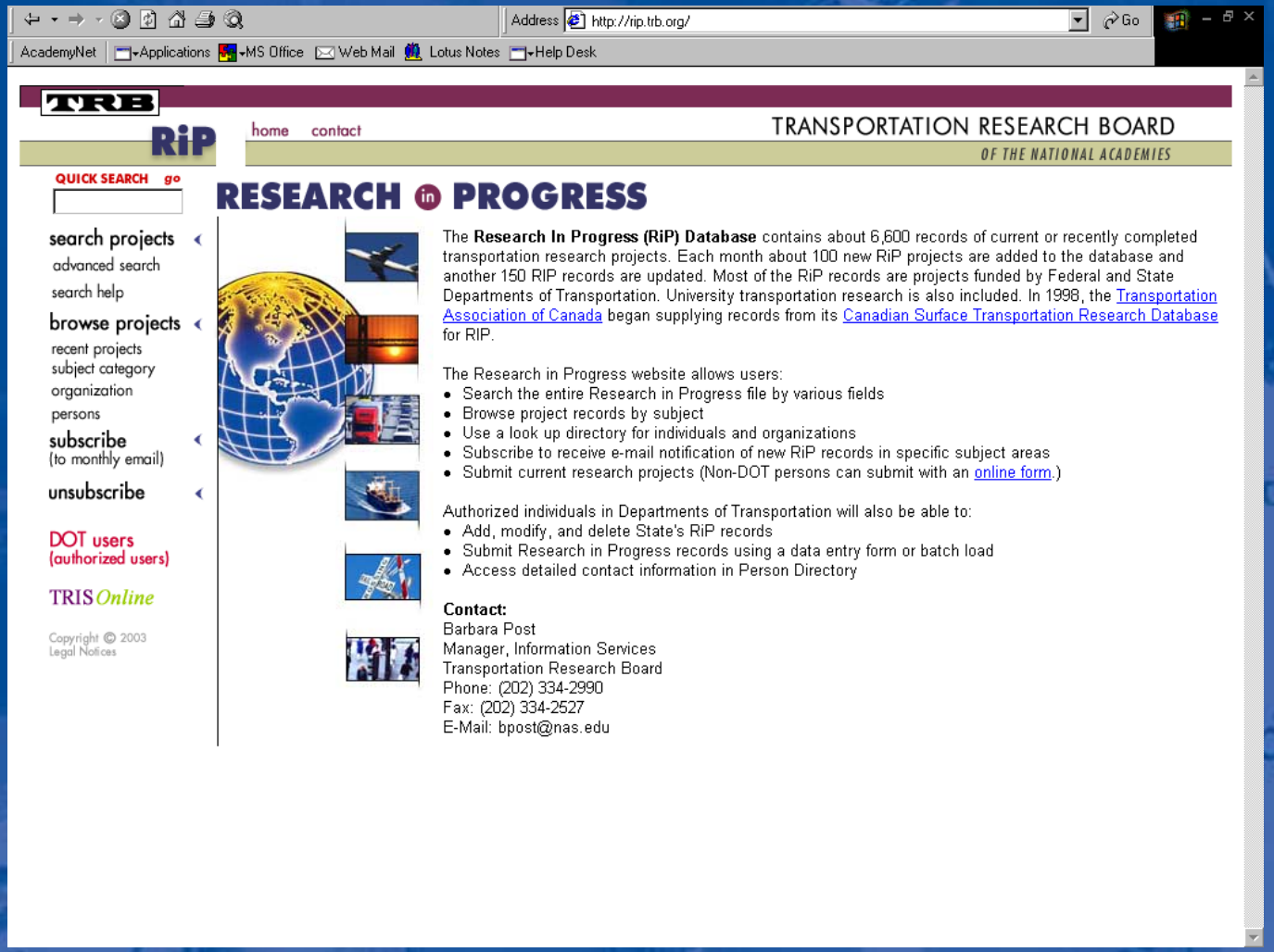
Research in Progress (RiP)



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