EU-US Transportation Research Symposium on
Transport Research Implementation:
The Application of Research Outcomes

April 10-11, 2014
Paris, France

- Organized by:
  - European Commission (EC)
  - Research & Innovation Technology Administration of the U.S.D.O.T.
  - Transportation Research Board (TRB) of the National Academies
New Horizons for International Research Collaboration: European Union (EU) Horizon 2020 Program

Sponsored by: the International Activities Committee of the TRB

- Program Overview- EC Directorate General for Research and Innovation
  - Program Specifics for “Surface Transportation”
- Staffing by:
  - EC-DGR&I
  - USDOT – R.I.T.A.
  - TRB – National Academies
Attributes of the Initiative

- Funding provided by sponsors:
  - EU/EC Horizon 2020 (Transport Sector)
  - R.I.T.A./U.S.D.O.T. - TRB Staff

- Planning Committee:
  - Approved by respective funding providers
  - Chair/co-chair of EU/US delegation (4+4)
  - Industry/State Government/Academy/ “Institutes”

- Participants:
  - 25 + 25
  - Identified by planning committee/Invited by sponsors
  - Breadth of sectors/regions/diversity/expertise
White Papers (Commissioned)

1. **Transportation Research Implementation in the European Union and the United States – Observations & Working Hypothesis**
   - By John F. Munro, University of Maryland and Angel Aparicio, Technical University of Madrid

2. **Lessons Learned from Case Studies of Successful Research Implementation in Europe and the United States**
   - By Joris Al, EU Transport Consultant and Mark Vandehey, US Transportation Consultant
Paper #1: Research Implementation Issues

- Sufficient funding for research implementation
- Appropriate levels of centralization & coordination
- Adequate comprehensive data collection & analysis
- Public sector role in translating IP into commercialized opportunities
Paper #2: Lessons Learned

- Limited information, literature or studies on “research implementation”
- Metrics for relationship between research finding and implementation outcomes
- “Successful” implementation characteristics:*  
  • Consistent communications  
  • Smooth “governance”  
  • Financial/capacity throughout process  
* For all engaged stakeholders
Example “findings” from Participants

- Key central focus on ROI of “mission-oriented research’
- Impediments
  - Risk-averse public sponsorship
  - Changing operational priorities
  - Valley(s) of death:
    - Technological (prototype/demonstration)
    - Commercialization

- Strive for clarity in implementation expectations by stakeholders
- Implementation plans should be detailed and funded
- Consideration of appropriately pooling stakeholder resources
- Document early in process the difference between:
  - “Best-in-class” Research, and
  - “Best-in-class” Implementation skills
Symposium Products

- Proceedings prepared/produced by rapporteurs
- Formal publication review by EU and TRB/NRC
- Continuation of annual research symposiums
- “Primer” envisioned on successful implementation processes
- Anticipate EU & TRB research “standing committees” to facilitate ongoing dialogue on future joint initiatives/research projects