

Transportation Discussion ODU Transportation Cluster

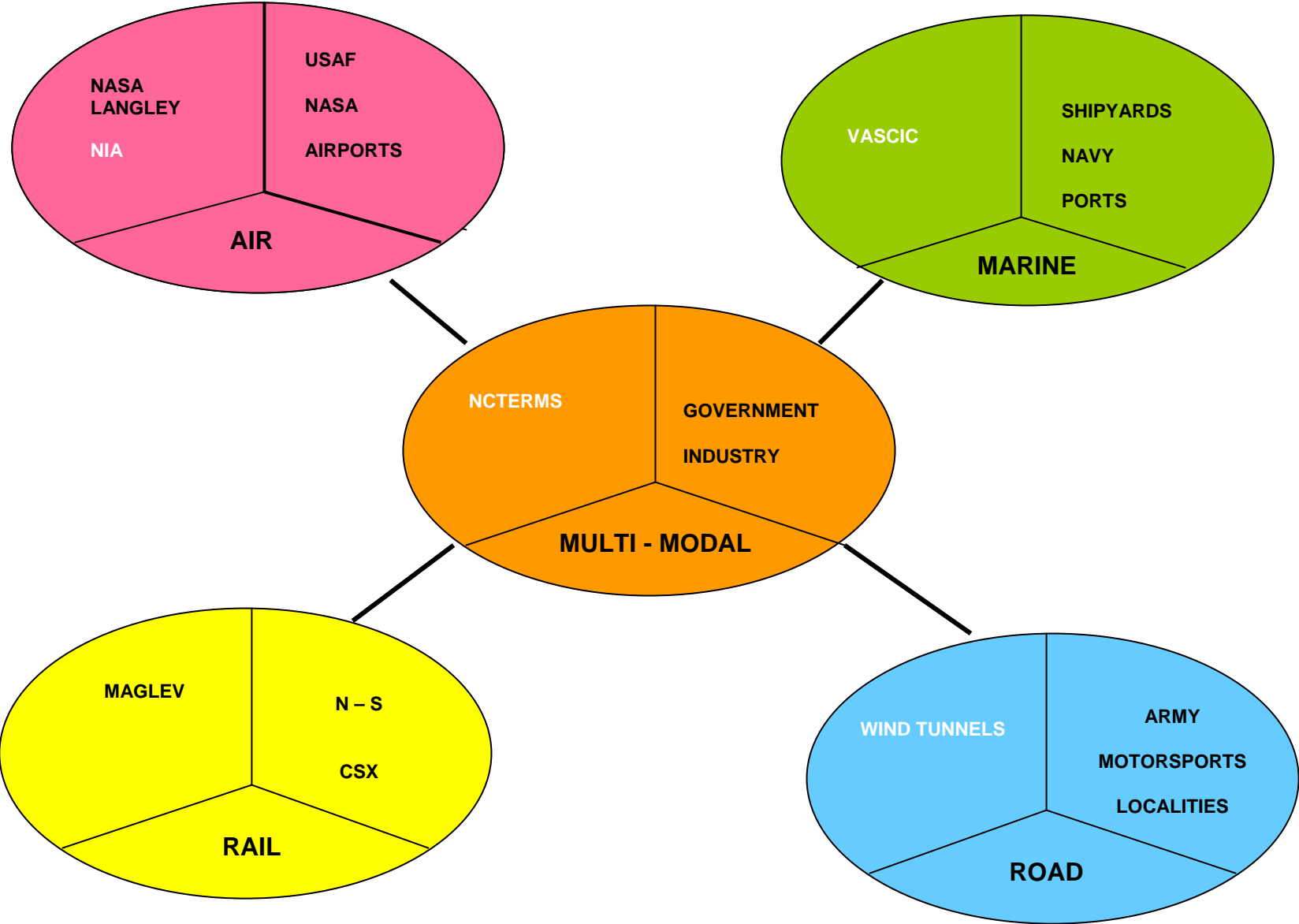
Lee Beach, HRRP

History: Proposal from 2002

National Institute for Transportation Systems

- Center of Excellence located in Hampton Roads providing national leadership for multi-modal transportation systems (air, marine, rail, road)
- Combines and integrates existing capabilities and applications
- Virtual institute with distributed nodes
- Covers research and technology to operations
- Initial nodes could be
 - National Institute of Aerospace (NIA, Aviation)
 - Virginia Advanced Shipbuilding Carrier Integration Center (VASCIC, Marine/Ship)
 - National Center for Transportation and Emergency Response Modeling and Simulation (NCTERMS, Multi-modal)

NATIONAL INSTITUTE FOR TRANSPORTATION SYSTEMS



History: Proposal from 2003 (ODU)

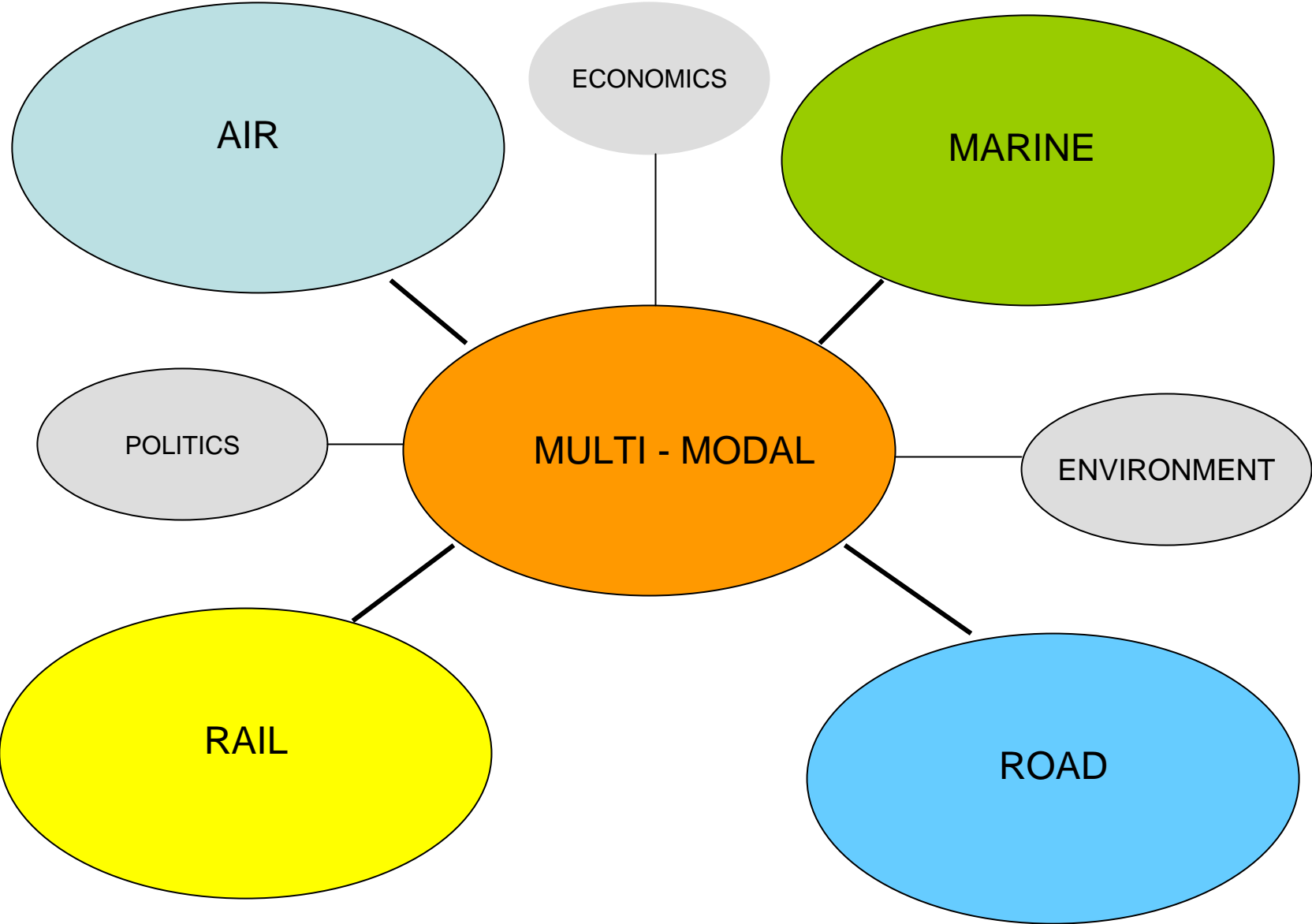
NCTERMS: National Center for Transportation and Emergency Response Modeling and Simulation

- Premise: Multi-modal transportation system models are needed to integrate transportation modes and plan for potential disruptive events at the local and national levels.
- A national center to develop such models is proposed; partnering with existing DOT Transportation Research Centers is planned.
- Hampton Roads will be the test bed for applications.

Today

- There is a still a real need and opportunity for a comprehensive Transportation Technology Center of Excellence
 - No such comprehensive capability exists elsewhere
 - It must be multi-modal and multi-disciplinary
 - It should leverage wide range of assets (multi-organizational/institutional)
- There are great potential partners in the region
 - Alion, Zel Tech, Maersk, ...
 - City of Hampton, ...
 - Other universities
- There are no ready mechanisms; must be creative

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Three Suggestions

- Target earmarks for near term; use existing results and (if necessary) internally-funded new information to market a concept and potential to elected officials (state and federal)
- Commit to some “visibility” projects
 - Modsim World 2007 (Transportation Track)
 - Sensors World 2007 (Three Transportation Tracks)
- Work toward major program in the next Highway Bill (2009?)

Sensors World 2007

A New National Event Sponsored by HRTC and the
National Sensor
Science & Technology Organization

Williamsburg Marriott
Williamsburg, VA
December 10-13 2007

Background

- Builds on 2 National SensorsGov Events
 - Held in Hampton Roads - 2004 and 2005
 - Sponsored by HRTC and SS&TF
 - Related to Sensors Expo and Sensors Magazine
- Timely Opportunity for Hampton Roads since Sensors Expo and Magazine are in Decline

Initial Scope

- Content Team from Regional SS&TF
 - HRTC, TeCC, HRRP, NASA, PSI, W&M, etc.
 - Next Meeting on 3/14
- Keynote and Plenary Presentations
- Training Seminars on Opening Day
- Industry/Organization Displays
- Two Day Technical Conference
 - 4 Technology Tracks of 7 Sessions Each

Conference Tracks

- Aerospace Transportation
- Inter-Modal Transportation
- Ground Vehicular Transportation
- Manufacturing

Schedule Elements

- Planning
- Technical Content Development
 - Track Chairs, Session Chairs, Presenters
- Marketing
- Sales
- Sponsors
- Final Arrangements
- Showtime