



# Open Source Portal



# What is the Open Source Portal?

*A web based tool for sharing information in support of developing Dynamic Mobility Applications*

## **The Open Source Portal:**

- Enables collaboration between multiple stakeholders
  - Stakeholders can share insights, algorithms, and source code
- Supports a collection of projects
  - Each project deals with research, development, testing, and potential commercialization of a single application

# What Applications Does it Support?

## 1. Federally-funded applications

- Mobility applications developed through funding from IntelliDrive Dynamic Mobility Applications program

## 2. Federally-approved applications

- Mobility applications developed through non-federal funding and approved for inclusion in the portal by the IntelliDrive program.

# What is in the Portal?

## Information:

- Application documentation and source code
- Test Data sets for benchmarking applications
- Supporting meta-data
- Procedures for application testing
- Supporting documentation for test procedures

## Functionalities that allow:

- Creation of new projects
- Submission of new applications, corresponding benchmark test data sets, test procedures and documentation for a project
- Configuration management of core assets
- Collaboration between inter-related projects
- Recognition of contributors to core assets

## How do you use it?

- A preliminary governance document identifying roles and responsibilities of users and contributors is in development.
- We are considering the use of the NASA Open Source Licensing Agreement Version 1.3 (<http://www.opensource.org/licenses/nasa1.3.php>) to govern disposition of translating intellectual capital into intellectual property. We are also looking into other licenses for use. An analysis will be forthcoming.



# How Will the Portal Be Developed?

## Stakeholder Engagement

- User Needs Workshop
- Meetings/Webinars

## Concept of Operations

- Identify operational scenarios
- Determine key concept decisions

## Requirements Specifications

- Requirements on: Performance, Security, Traceability, Reliability, Interface, and Functionality

## Testing and Implementation

- Will include developing plans for Configuration Management, Data Management, Operations/Maintenance, Transition

Milestone	Estimated Completion Date
User Needs Workshop	January 2011
Concept of Operations	April 2011
Requirements Specifications	June 2011
Implementation Planning	October 2011
Transition	November 2011
Building, Testing, and Deployment	February 2012



## Objective:

- Enable the web portal software to be functional and sustainable in any environment

## Once developed, the Open Source Portal can transition to:

- USDOT or its designee
- A non-federally funded entity (not for profit organization, private sector, or non-federal public sector)