







Infravation Program U.S. Outreach

February 27, 2014



Agenda

- 1. Welcome
- 2. Objectives
- 3. Introduction to Infravation
- 4. Next Steps
- 5. Q&A's







Who is participating in today's informational web meeting?









2. Objectives

- Highway construction, operations, management, and maintenance is increasingly international
- Provide European and U.S. highway researchers opportunity to work directly with each other







- Who has experience with cross national funding?
- Is your cross national work increasing?







3. Introduction

- What is Infravation?
 - Infrastructure + Innovation
- Goal
 - Advancing innovative, near-market materials or processes that will make highway infrastructure last longer, perform more efficiently, and cost less





Scoping Study

- 2013 U.S. Scan
- June 2013 Expo
- Study team assessed emerging technologies







Seven Challenges

- 1. Eco-design; resource and energy efficiency in road construction and maintenance
- Virgin material reduction by substitution or recycling
- 3. Enhanced durability and life-time extension
- 4. Rapid and non-destructive methods for routine quality and performance checks of materials and construction
- 5. Keeping freight routes open through zero-intrusive maintenance
- 6. Ensuring infrastructure performance under all weather conditions
- 7. Advanced predictive infrastructure performance processes









Who is interested in each challenge area?









Program Context

- Supplements National and EU Road Research Programs
 - National: FHWA EAR Program; France
 5th Generation Road, German Road of the 21st Century, etc.
 - EU: FP7, Horizon 2020









Infravation Funding

- 11 Countries pooled about \$13 million (9 million Euros)
 - includes a one-third top-up from the European Commission
 - U.S. funding from Federal Highway
 Administration

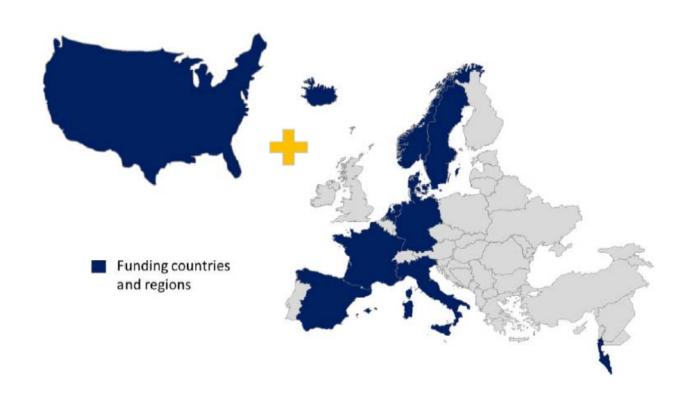








Funding Countries











Who can apply for funding?

- Research organizations, universities, companies or others from:
 - Funding countries i.e. the Netherlands,
 Germany, Denmark, Norway, Sweden,
 Iceland, Spain, France, Italy, Israel and USA.
 - Remaining EU28 countries (with certain restrictions)
 - Countries associated to FP7 i.e. Switzerland, Liechtenstein, Turkey, the Former Yugoslav Republic of Macedonia, Serbia, Albania, Montenegro, Bosnia & Herzegovina, Faroe Islands, Republic of Moldova (with certain restrictions)





Partnering

- Minimum of two independent legal entities established in two of the eligible countries.
- There is no limit to the maximum number of partners.









 Who already has contacted a partner or partners in another country regarding Infravation?





Infravation Structure

- Program coordinator
 - Rijkswaterstaat, The Netherlands
- Funding partners
- Scientific panel









4. Next Steps

- Monday, March 3rd call opens
 - Late March, FHWA 2nd web-based
 Infravation workshop
- Two-step process
 - Proposals due Monday, June 30th
 - Accepted proposals provide full information by fall





5. Q&A's

- For more information, please see
 - www.fhwa.dot.gov/research/resources/infravation.cfm





