Infravation Program
U.S. Outreach

February 27, 2014
Agenda

1. Welcome
2. Objectives
3. Introduction to Infravation
4. Next Steps
5. Q&A’s
Poll Question #1

• 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
Poll Question #2

• 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
2. 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
Poll Question #3

• 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.
Poll Question #4

• 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