



## **Preventive Maintenance Techniques: Induction healing experience by HEALROAD Project**

**Tuesday, 27 March 2018**

*11:30 – 13:30*

*Room ERATO  
(Level 3)*

### **Engagement Debate: industry, academia and research**

HEALROAD EU Project aims at overcoming the technical barriers for the future industrialization and market uptake of **healable asphalt mixes via induction heating**. The European consortium will present results at laboratory research, mix design and manufacturing phases, and full scale demonstration including a video of the road constructed at the new duraBAsT facility in Germany.

#### **Agenda**

<b>11:30 – 11:40</b>	<b>Introduction and Project Overview</b> <ul style="list-style-type: none"><li>- Daniel Castro (<i>University of Cantabria</i>)<ul style="list-style-type: none"><li>• <i>Background</i></li><li>• <i>Objectives: implementation of self-healing techniques</i></li></ul></li></ul>
<b>11:40 – 12:10</b>	<b>HEALROAD laboratory research: fundamental study of asphalt healing</b> <ul style="list-style-type: none"><li>- Breixo Gómez (<i>University of Nottingham</i>)<ul style="list-style-type: none"><li>• <i>Effects of bitumen type</i></li><li>• <i>Metal particles and content</i></li><li>• <i>Type of asphalt mix</i></li><li>• <i>RAP content</i></li><li>• <i>Ageing</i></li><li>• <i>Durability</i></li></ul></li><li>- Pedro Lastra (<i>University of Cantabria</i>)<ul style="list-style-type: none"><li>• <i>Mechanical performance</i></li><li>• <i>Healing assessment</i></li><li>• <i>Recyclability</i></li></ul></li></ul>

<p><b>12:10 –12:40</b></p>	<p><b>HEALROAD industrial upscaling and full scale demonstrator</b></p> <ul style="list-style-type: none"> <li>- Gerbert Bochove (<i>HEIJMANS</i>) <ul style="list-style-type: none"> <li>• <i>Asphalt plant manufacturing</i></li> </ul> </li> <li>- Bastian Wacker (<i>BASt</i>) <ul style="list-style-type: none"> <li>• <i>Accelerated loading test</i></li> <li>• <i>Induction heating on demonstrator</i></li> <li>• <i>Findings during Accelerated pavement testing</i></li> </ul> </li> </ul>
<p><b>12:40 –13:10</b></p>	<p><b>HEALROAD technology economic and environmental impact</b></p> <ul style="list-style-type: none"> <li>- Esther Lizasoain (<i>University of Cantabria</i>) <ul style="list-style-type: none"> <li>• <i>Environmental impact of the new technology (LCA)</i></li> </ul> </li> <li>- Tobias Panwinkler (<i>BASt</i>) <ul style="list-style-type: none"> <li>• <i>Economic: Low-cost preventive maintenance technique (LCCA)</i></li> </ul> </li> </ul>
<p><b>13:10 –13:25</b></p>	<p><b>HEALROAD challenges and opportunities: Q&amp;As</b></p>
<p><b>13:25 –13:30</b></p>	<p><b>Final remarks and conclusions</b></p> <ul style="list-style-type: none"> <li>- José Díez (<i>European Union Road Federation</i>)</li> </ul>