



INTERNATIONAL UNION
OF RAILWAYS

unity, solidarity, universality

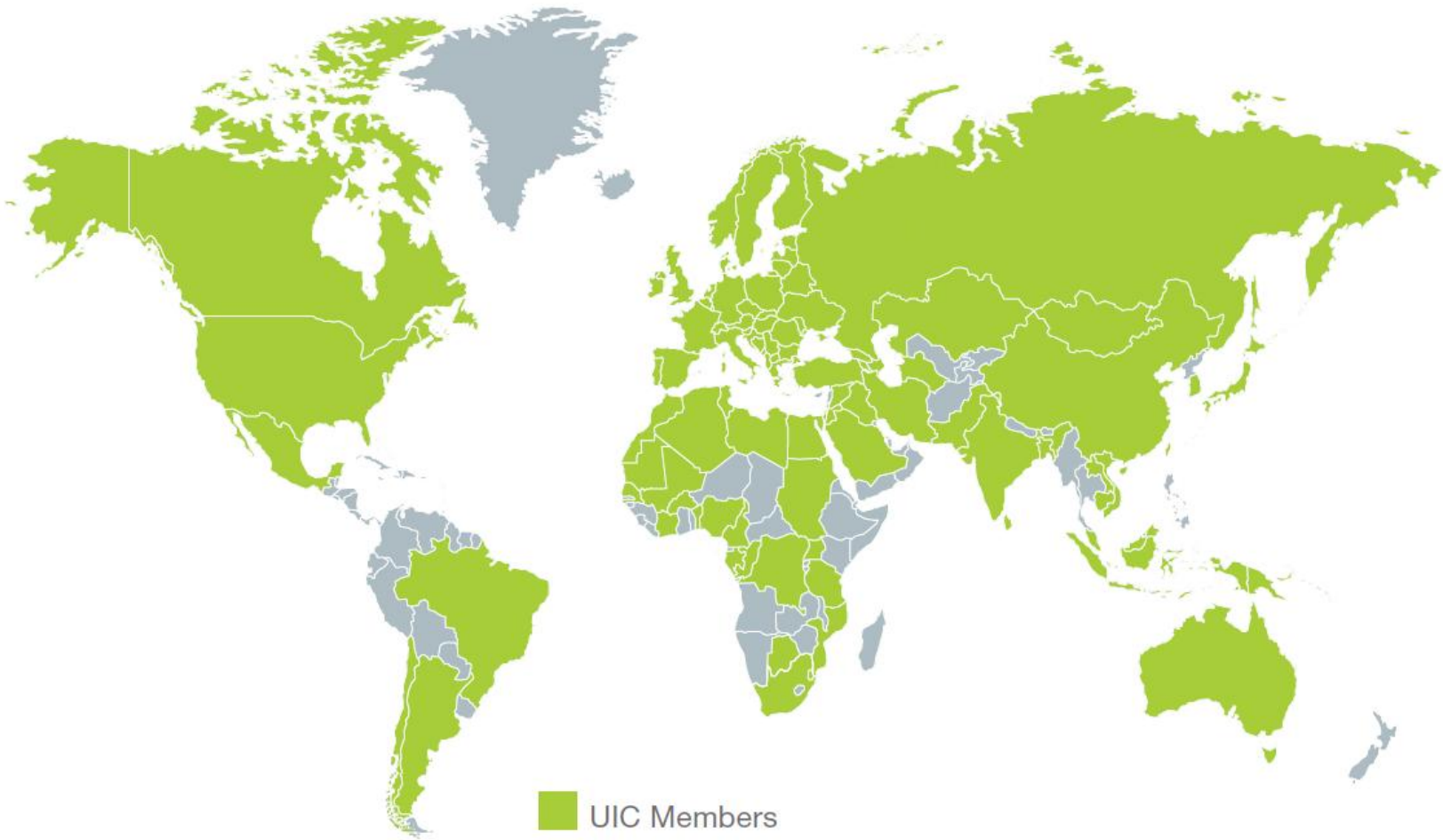
Sustainable Land Use at UIC

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Introduction

- Introduction to the International Union of Railways (UIC)
- UIC mission & objectives
- Sustainability & advocating rail investment at world level
- Promoting best practice and technical development
- The Sustainable Land Use network
- UIC Project on Vegetation Management - Herbie Project
- Programme of the Workshop

International Union of Railways (UIC)



UIC Mission

Promoting the development of rail transport
at world level, in order to meet challenges
of mobility and **sustainable development**

Main UIC objectives:

- facilitate the sharing of best practices among members (benchmarking)
- support members in their efforts to develop new business and new areas of activities
- propose new ways to improve technical and environmental performance
- promote interoperability, create new world standards for railways (including common standards with other transport modes)

Environment, Energy & Sustainability Platform

EES Platform



Core Group



Working Bodies

Energy
Efficiency &
CO2

Noise &
Vibration

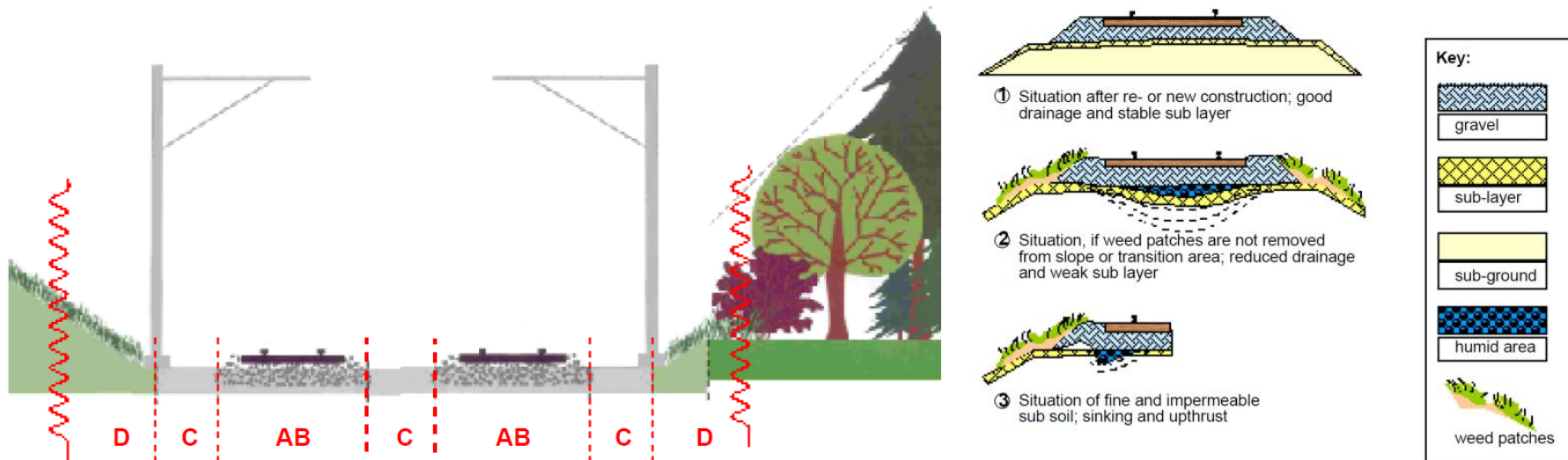
Sustainable
Mobility

Diesel and
Local
Emissions

Sustainable
Land Use

UIC leaflet 723 Vegetation Control updated into the New IRS

Technical aspects of vegetation and tree risk management – Guidance and Recommendations



UIC Project : HERBIE - Objectives

- **To avoid increases in the cost of Vegetation Management**
- **Develop & demonstrate responsible use of herbicides**

Two-thirds of Europeans support ban on glyphosate, says Yougov poll

Survey of more than 7,000 people across the EU's five biggest states backs prohibition of the most widely used agricultural chemical

theguardian

April 2016

Added Value

- Address risk of EU herbicide ban
- Best practice & responsible management of herbicides
- Develop a sector position of future herbicide use
- Technical Input for CER/EIM discussion regarding ban
- Engagement with Chemical Supply Industry

**RAIL TECHNICAL
STRATEGY EUROPE**

Infrastructure (e.g. cross-tie sleepers)

Plans to reduce pollution from rail sources
(e.g. chemical treatment against vegetation)

Technology to reduce the pollution

Planned **deliverables** and **strategy for implementation**

- Review existing methods / technologies and cost efficiency
- Development of Roadmap for improved technology - best practice and new herbicides
- consensus and stakeholder engagement, including herbicide supplier and agricultural sector



- > 160 participants from over 10 countries
- > Strong support from the audience to repeat the event
- > Topics included: pesticides & herbicides, protected & endangered species, balancing Safety, Performance & Cost, Ecosystem valuation, GIS & GPS tools

Resulting programs from workshop

Herbicides



- > Development of new herbicides for all railroads (in cooperation with producing industry resp. road and traffic authorities)
- > - improved spraying methods and technical equipment
- > - improved application and reduced concentration
- > - improved monitoring and documentation (GIS, digital data and remote control)

Programme of the Workshop

DAY 1:

10:35 - Maintenance policy : methods & best practices

13:45 - Herbicide approval

14:45 - Alternative methods

16h00 Close of DAY 1

DAY 2 :

8:30 - Data Management and Traceability

10:30 - Discussion on the future of chemical weed control

13:15 - Impacts of Herbicides on Environment

14:30 - Invasive species

15h45 Close of DAY 2





Thank you for your kind attention