



Land Monitoring

# Benefits of EO/Copernicus for Highways Management in EU: outcomes of the SeBS User Experts workshop

Sentinel Benefits Study – Session 3

Joanna Balasis-Levinsen

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PROGRAMME  
OF THE EUROPEAN UNION



Implemented by



European  
Environment  
Agency

# Reported use cases

- Countries using ground deformation monitoring:
  - Norway – national-level service
  - Italy – monitoring of natl highway network
  - Portugal – monitoring of one highway (A24)
- Denominators:
  - Subject to ground deformation such as rockfalls and landslides
  - Wish to improve planning, building, and maintenance
  - Use only available technique: InSAR, largely based on S1 imagery
  - Benefits:
    - Improved planning
    - Improved budget planning
    - Improved safety
    - Fewer traffic constraints



# Key insights

- Benefits of sharing ideas:
  - Dialogue amongst countries → faster achievement of socio-economic benefits
- (How) can the CLMS/EEA facilitate the uptake?
  - No mandate on road management
  - Establish **dialogue** with and amongst the users
  - **Showcase good examples**
  - Examples of activities
    - CLMS National Collaboration Programme
    - One communication channel per CLMS product (potential)

