

H INDUSTRIAL AND OTHER ACCIDENTS

H1 - Accidents in the mining / milling operation

Working days lost and other societal costs due to workplace accidents.

Not accessible to EO-techniques

H2 - Accidents in the operation environment (transport, construction etc.)

Working days lost and other societal costs due to workplace accidents.

Not accessible to EO-techniques

H3 – Damages and accidents on neighboring land due to ground instability

Related to G2, but focusing on the impacts. Cracked or collapsing buildings, water-collecting depressions that devalue agricultural land etc. can be caused by mining-induced ground instability. The damages and the compensation payments are relevant factors for determining the economic impact.

Requirements	<ul style="list-style-type: none">• See G2, G3, G5.
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Variable(s) to be determined	<ul style="list-style-type: none">• See A1, G2, G3 and G5.
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Data acquisition

Source of information	<ul style="list-style-type: none">• See A1, G2, G3 and G5.
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Methods & Standards	<ul style="list-style-type: none">• See A1, G2, G3 and G5.• Damages on buildings can be mapped using high resolution imagery.
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Suggested sensor systems	<ul style="list-style-type: none">• See A1, G2, G3 and G5.
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Pre-processing & auxiliary data	<ul style="list-style-type: none">• See A1, G2, G3 and G5.
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Caveats:

- See G2, G3 and G5.

Examples

Natural colour, high-resolution DigitalGlobe satellite image featuring damage following a toxic spill in Ajka, Hungary, 4 October 2010. Source: DigitalGlobe.



Map of oxidation and dehydration products from sulphides after the spill at Los Frailes (Aznalcóllar) 25 April 1998. Legend according to spectral analyst estimations from a spectral library of 35 existing spectra from sulphide oxidation products in public domain spectral libraries (Riaza et al. 2006).

