

HOW TO CITE

Entire volume

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Executive summary

How to cite: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I., Faivre, N., Peter, D., Quevauviller, P., K., Boersma, F.K., Krausmann, E., Murray, V., Papadopoulos, G.A., Salamon, P., Simmons, D.C., Wilkinson, E., Casajus Valles, A., Doherty, B., Galliano, D., 2017. Science for disaster risk management 2017: knowing better and losing less. Executive Summary. EUR 28034 EN, Publications Office of the European Union, Luxembourg, ISBN 978-92-79-69674-9, doi:10.2760/189747, JRC102482..

1. Current status of disaster risk management and policy framework

How to cite: Bower, A., Blok, J., Dali, M., Faivre, N., Fell, T., Ghislain, P., Happaerts, S., Kavvadas, I., Kockerols, P., Molnar, A.M., Quevauviller, P., Villette, F., 2017. Current status of disaster risk management and policy framework. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 1, doi: 10.2788/688605.

2. Understanding disaster risk: risk assessment methodologies and examples

How to cite: Simmons, D.C., Corbane, C., Menoni, S., Schneiderbauer, S., Zschau, J., 2017. Understanding disaster risk: risk assessment methodologies and examples. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 2, doi: 10.2788/688605.

2.1. Qualitative and quantitative approaches to risk assessment

How to cite: Simmons, D.C., Dauwe, R., Gowland, R., Gyenes, Z., King, A.G., Riedstra, D., Schneiderbauer, S., 2017. Qualitative and quantitative approaches to risk assessment. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 2.1, doi: 10.2788/688605.

2.2. Current and innovative methods to define exposure

How to cite: Corbane, C., Gamba, P., Pesaresi, M., Pittore, M., Wieland, M., 2017. Current and innovative methods to define exposure. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 2.2, doi: 10.2788/688605..

2.3. The most recent view of vulnerability

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2.4. Recording disaster losses for improving risk modelling

How to cite: Menoni, S., Bonadonna, C., Garcia, M., Schwarze, R., 2017. Recording disaster loss for improving risk modelling. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 2.4, doi: 10.2788/688605..

2.5. Where are we with multihazards and multirisks assessment capacities?

How to cite: Zschau, J., 2017. Where are we with multihazards and multirisks assessment capacities? In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 2.5, doi: 10.2788/688605.

3. Understanding disaster risk: hazard related risk issues

Section I. Geophysical risk

How to cite: Papadopoulos, G.A., Loughlin, S., Silva, V., 2017. Understanding disaster risk: hazard related risk issues - Section I. Geophysical risk. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 3 Section I, doi: 10.2788/688605.

3.1 Geophysical risk: earthquakes

How to cite: Silva, V., Danciu, L., Dolce, M., Rossetto, T., Weatherill, G., 2017. Geophysical risk: earthquakes. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 3.1, doi: 10.2788/688605.

3.2 Geophysical risk: volcanic activity

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Section II. Hydrological risk

How to cite: Salamon, P., Casagli, N., Cloke, H., Horsburgh, K., 2017. Understanding disaster risk: hazard related risk issues - Section II. Hydrological risk. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 3 Section II, doi: 10.2788/688605.

3.4 Hydrological risk: floods

How to cite: Cloke, H., Di Baldassarre, G., Landeg, O., Pappenberger, F., Ramos, M.H., 2017. Hydrological risk: floods. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 3.4, doi: 10.2788/688605.

3.5 Hydrological risk: landslides

How to cite: Casagli, N., Guzzetti, F., Jaboyedoff, M., Nadim, F., Petley, D., 2017. Hydrological risk: landslides. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 3.5, doi: 10.2788/688605.

3.6 Hydrological risk: wave action, storm surges and coastal flooding

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Section III. Meteorological, climatological and biological risk

How to cite: Murray, V., Frame, T., McGregor, G., San Miguel, J., Van Lanen, H.A.J., Vogt, J.V., Maini, R., Roth, C., 2017. Understanding disaster risk: hazard related risk issues - Section III. Meteorological, climatological and biological risk. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 3 Section III, doi: 10.2788/688605.

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3.8 Meteorological risk: extreme temperatures

How to cite: McGregor, G., Bone, A., Pappenberger, F., 2017. Meteorological risk: extreme temperatures. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 3.8, doi: 10.2788/688605.

3.9 Climatological risk: droughts

How to cite: Van Lanen, H.A.J., Vogt, J.V., Andreu, J., Carrão, H., De Stefano, L., Dutra, E., Feyen, L., Forzieri, G., Hayes, M., Iglesias, A., Lavaysse, C., Naumann, G., Pulwarty, R., Spinoni, J., Stahl, K., Stefanski, R., Stilianakis, N., Svoboda, M., Tallaksen, L.M., 2017. Climatological risk: droughts. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 3.9, doi: 10.2788/688605.

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Section IV. Technological risk

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4.2 Decision-making under uncertainty

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5. Managing disaster risk

How to cite: Wilkinson, E., Mysiak, J., Oliveira, C.S., Peters, K., Surminski, S., 2017. Managing disaster risk. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 5, doi: 10.2788/688605.

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How to cite: Peters, K., Buscher, M., Fearnley, C., Helsloot, I., Kockerol, P., Twigg, J., 2017. Preparedness and response. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 5.2, doi: 10.2788/688605.

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6. Future challenges of disaster risk management

How to cite: Clark, I., De Groeve, T., Marín Ferrer, M., Poljanšek, K., Faivre, N., Peter, D., Quevauviller, P., Boersma, F.K., Krausmann, E., Murray, V., Papadopoulos, G.A., Salamon, P., Simmons, D.C., Wilkinson, E., Casajus Valles, A., Doherty, B., Galliano, D., 2017. Future challenges of disaster risk management. In: Poljanšek, K., Marín Ferrer, M., De Groeve, T., Clark, I. (Eds.). Science for disaster risk management 2017: knowing better and losing less. EUR 28034 EN, Publications Office of the European Union, Luxembourg, Chapter 6, doi: 10.2788/688605.