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| *Reference* | ConHaz Project (Coordination Action project funded by the EU 7th Framework Programme. Contract no 244159) Guidance Documents |
| Cost of Natural Hazards - ConHaz Project |
| Bouwer, L. M., Poussin, J., Papyrakis, E., Daniel, V. E., Pfurtscheller, C., Thieken, A. H., & Aerts, J. C. J. H. (2011). Methodology report on costs of mitigation - CONHAZ Report (pp. 1–69).Bubeck, P., & Kreibich, H. (2011). Natural Hazards : direct costs and losses due to the disruption of production processes - CONHAZ Report (pp. 1–68).Green, C., Viavattene, C., & Thompson, P. (2011). Guidance for assessing flood losses - CONHAZ Report (pp. 1–86).Lequeux, Q., & Ciavola, P. (2011). Methods for Estimating the Costs of Coastal Hazards - CONHAZ Report (pp. 1–67).Logar, I., & van den Bergh, J. (2011). Methods of Assessment of the Costs of Droughts - CONHAZ Report. Retrieved from http://conhaz.org/CONHAZ REPORT WP05\_1\_FINAL.pdfMarkantonis, V., Meyer, V., & Schwarze, R. (2011). The intangible effects of Natural Hazards - CONHAZ Report.Pfurtscheller, C., Lochner, B., & Thieken, A. (2011). CONHAZ Report on Costs of Alpine Hazards Costs of Alpine Hazards (pp. 1–96).Przyluski, V., & Hallegatte, S. (2011). Indirect Costs of Natural Hazards - CONHAZ Report (pp. 1–41). |
| *Scope* | ConHaz synthesises current cost assessment methods and strengthens the role of cost assessments in the development of integrated natural hazard management and adaptation planning. The first objective of ConHaz is to compile state-of-the-art methods and terminology as used in European case studies. The second objective of ConHaz is to evaluate the compiled methods by addressing theoretical issues such as principal assumptions of cost assessment methods, as well as practical issues, such as availability and quality of data. He third is to synthesise all the results.  |
| *Impacts* | *Environmental* | *Social* | *Economic* |
| *✓* | *✓* | *✓* |
| Qualitative assessment of the direct and indirect natural hazard’s impact on the environment. | Qualitative assessment of the direct and indirect natural hazard’s impact on the populations. | Direct economic impacts assessed in three steps: classification of elements at risk; exposure analysis and assets value assessment; susceptibility analysis by relating relative damage.Indirect economic impacts assessed through different methodologies: from asset losses to output losses; consumption losses; change in prices; productivity effect; long term consequences; poverty trap. |
| *Direct - Indirect* | *Direct - Indirect* | *Direct – Indirect* |
| *Tangible - Intangible* | *Tangible – Intangible* | *Tangible - Intangible* |
| *Case Studies*  | Several case studies, from Europe and from the rest of the world, are reported in the different guidance documents as example of the application of the methods and tools  |
| *Uncertainty* | Extensive analysis of the uncertainty issues in all the different aspects of the hazards and the impacts taken into consideration. |
| *Climate Change*  | No. The guidance is not specifically aimed at the assessment of climate change patterns. |
| *Flood* | WP6 is specifically devoted to flood events. |
| *Data need* | Data quantity and quality for each step of the assessment is analysed. |
| *Comments* | Structure of the project:* WP1 Direct costs & production processes
	+ Natural Hazards : direct costs and losses due to the disruption of production processes (Bubeck & Kreibich, 2011)
* WP2 Indirect costs
	+ Indirect Costs of Natural Hazards (Przyluski & Hallegatte, 2011)
* WP3 Intangible effects
	+ The intangible effects of Natural Hazards (Markantonis, Meyer, & Schwarze, 2011)
* WP4 Adaptation & mitigation incl. climate change
	+ Methodology report on costs of mitigation (Bouwer et al., 2011)
* WP5 Costs of droughts
	+ Methods of Assessment of the Costs of Droughts (Logar & Van den Bergh, 2011)
* WP6 Costs of floods
	+ Guidance for assessing flood losses (Green et al., 2011)
* WP7 Costs of storms & coastal risks
	+ Methods for Estimating the Costs of Coastal Hazards (Lequeux & Ciavola, 2011)
* WP8 Costs of Alpine hazards
	+ Costs of Alpine Hazards Costs of Alpine Hazards (Pfurtscheller, Lochner, & Thieken, 2011)
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