

[1]黄崇福,刘安林,王野.灾害风险基本定义的探讨[J].自然灾害学报,2010,06:8-16.

HUANG Chong-fu,LIU An-lin,WANG Ye.A discussion on basic definition of disaster risk[J].,2010,06:8-16.

[点击复制](#)

灾害风险基本定义的探讨(PDF)

《自然灾害学报》[ISSN:/CN:23-1324/X] 期数: 2010年06期 页码: 8-16 栏目: 出版日期: 2010-08-09

Title: A discussion on basic definition of disaster risk

作者: [黄崇福](#)^{1; 2;}; [刘安林](#)^{2; 3;}; [王野](#)³

1. 北京师范大学地表过程与资源生态国家重点实验室(北京师范大学), 北京100875;
2. 民政部/教育部减灾与应急管理研究院, 北京100875;
3. 中国人寿保险股份有限公司, 北京100020

Author(s): [HUANG Chong-fu](#)^{1; 2;}; [LIU An-lin](#)^{2; 3;}; [WANG Ye](#)³

1. State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing 100875, China;
2. Academy of Disaster Reduction and Emergency Management, Ministry of Civil Affairs and Ministry of Education, Beijing 100875, China;
3. China Life Insurance Company Ltd.Co., Beijing 100020, China

关键词: [风险](#); [定义](#); [概率](#); [情景](#); [灾害](#)

Keywords: [risk](#); [definition](#); [probability](#); [scene](#); [disaster](#)

分类号: X43

DOI: -

文献标识码: -

摘要: 近年来,各种灾难给人类造成的损失急剧上升,人类的减灾观念正从灾后的反应转变为灾前防御,灾害风险管理被提上了议事日程。然而,什么是风险?什么是灾害风险?目前仍然是众说纷纭,莫衷一是。指出了国际上较有影响的18个灾害风险定义的不足之处,进一步阐述了作者早年提出的以情景为基础的风险定义,进而给出了自然灾害风险的基本定义,并根据下定义时必须遵循的4条规则,将它与联合国开发计划署建议的定义进行了比较,说明本文给出的基本定义较为合理。

Abstract: In recent years, the loss caused by various disasters is rising sharply. There is a need for a shift in emphasis from post-disaster response to pre-disaster prevention and anticipation. Disaster risk management is put on the agenda. However, what is risk? What is disaster risk? There is a wide spectrum of opinions on them. In this paper, we point out the inadequacies in 18 definitions of disaster risk, which are more internationally influential. We elaborate the scene-based definition of risk that was proposed by the first author of this paper early, and then give the basic definition of disaster risk. According to the 4 rules which researchers must follow for defining, we compare the definition given in this paper with that recommended by United Nations Development Programme, to illustrate that our definition is more reasonable.

导航/NAVIGATE

[本期目录/Table of Contents](#)

[下一篇/Next Article](#)

[上一篇/Previous Article](#)

工具/TOOLS

[引用本文的文章/References](#)

[下载 PDF/Download PDF\(702KB\)](#)

[立即打印本文/Print Now](#)

[推荐给朋友/Recommend](#)

统计/STATISTICS

摘要浏览/Viewed 141

全文下载/Downloads 99

[评论/Comments](#)



- [1] Swiss Re. Sigma[R]. No.2, Zurich:Swiss Reinsurance Company, 2000.
- [2] Beck U. Risk Society: Towards a New Modernity[M]. London: Sage Publications, 1992.
- [3] Alexander D. Confronting Catastrophe: New Perspectives on Natural Disasters[M]. Oxford: Oxford University Press, 2000.
- [4] Awlang J, Siegel PB, Jorgensen SL. Vulnerability: a View from Different Disciplines[R]. Social Protection Discussion Paper Series, No. 0115. Washington, D. C.: Social Protection Unit, Human Development Network, World Bank, 2001.
- [5] Clarke L. Mission Impossible: Using Fantasy Documents to Tame Disaster[M]. Chicago: University of Chicago Press, 1999.
- [6] Knight FH. Risk, Uncertainty, and Profit[M]. New York: Hart, Schaffner, and Marx, 1921.
- [7] Rashed T, Weeks J. Assessing vulnerability to earth quake hazards through spatial multicriteria analysis of urban areas[J]. International Journal of Geographical Information Science, 2003, 17(6): 547-576.
- [8] Schneiderbauer S, Ehrlich D. Risk, Hazard and People's Vulnerability to Natural Hazard: a Review of Definitions, Concepts and Data[R]. EUR Report 21410/EN, Luxembourg: Office for Official Publication of the European Communities.
- [9] Shrestha BP. Uncertainty in risk analysis of water resources systems under climate change[C]. In Bogardi J. J., Kundzewicz Z. W. (Eds.): Risk, Reliability, Uncertainty, and Robustness of Water Resources Systems, UNESCO International Hydrology Series, Cambridge: Cambridge University Press, 2002: 153-160.
- [10] UNDP Bureau for Crisis Prevention and Recovery: Reducing Disaster Risk: a Challenge for Development. A Global Report[M]. (Pelling M., Maskrey A., Ruiz P., Hall L. Eds.). New York: John S. Swift Co., 2004.
- [11] UNEP: Global Environment Outlook 3-Past, Present and Future Perspectives[M]. London: Earthscan Publications Ltd, 2002.
- [12] Crichton D. The risk triangle[C]. In Ingleton J. (Ed.): Natural Disaster Management. London: Tudor Rose, 1999: 102-103.
- [13] Cardona OD. Indicators for Disaster Risk Management[R]. First Expert Meeting on Disaster Risk Conceptualization and Indicator Modelling, Manizales, Colombia: Inter-American Development Bank, 2003.
- [14] ADRC. Total Disaster Risk Management: Good Practice 2005[R]. Kobe, Japan: Asian Disaster Reduction Center, 2005.
- [15] Tiedemann H. Earthquakes and Volcanic Eruptions: A Handbook on Risk Assessment[R]. Geneva, Switzerland: Swiss Reinsurance Company, 1992.
- [16] 黄崇福. 综合风险评估的一个基本模式[J]. 应用基础与工程科学学报, 2008, 16(3): 371-381.
- [17] Garatwa W, Bollin C. Disaster Risk Management: A Working Concept[R]. Eschborn (Germany): Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ), 2002.
- [18] Huang CF. Risk analysis within formation described in natural language[C]. Lecture Notes in Computer Science, 2007, 4489: 1016-1023.
- [19] Huang, CF, Ruan D. Fuzzy risks and an updating algorithm with new observations[J]. Risk Analysis, 2008, 28(3): 681-694.
- [20] 黄崇福. 自然灾害基本定义的探讨[J]. 自然灾害学报, 2009, 18(5), 41-50.
- [21] Zadeh L A. Fuzzy sets[J]. Information and Control, 1965, 8(3): 338-353.

备注/Memo: 收稿日期:2009-8-21; 改回日期:2010-6-23。

基金项目: 国家自然科学基金资助(项目批准号:40771007); 国家科技支撑计划专题资助(编号:2006BAD20B01-02)

作者简介: 黄崇福(1958-), 男, 教授, 博士, 主要从事灾害风险研究. E-mail: hchongfu@bnu.edu.cn
