



Local Risk Management in Earthquake Zones of Kazakhstan

Управление рисками на местном уровне в сейсмоопасных зонах Казахстана

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PROJECT GOALS



- **strengthen the capacities of local communities to participate in early warning and preparedness for earthquakes to equip them with the knowledge and skills required for the effective mitigation of the affects of natural disasters** (*усиление участия местного населения в раннем оповещении при землетрясениях, формирование знаний и навыков*)
- **to raise the level of awareness of the local population, decision-makers and public** (*повышение осведомленности при бедствиях*)
- **to promote access to information for civil society on disaster response and decision-making** (*доступность информации*)

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CO-OPERATION



- **Ministry of Emergency Situations of the Republic of Kazakhstan**
(Implementing Partner)
- **Red Crescent Society of Kazakhstan**
(Responsible Party)
- **Ministry of Health**
(UNICEF Project Health and Life Skills Program)
- **UNICEF, UNIFEM, UN/ISDR, UN/OCHA**
- **ADRC**
- **GEF/SGP**

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OUTPUTS



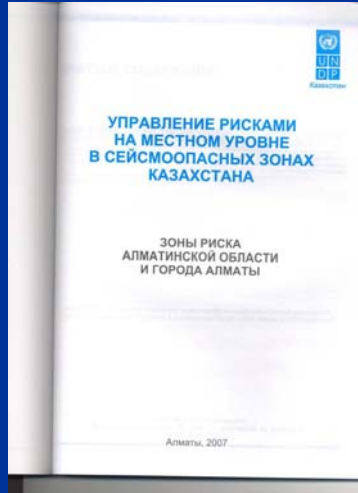
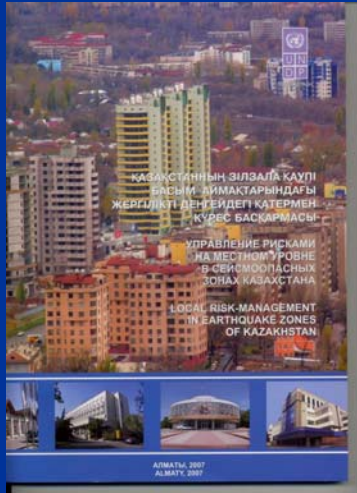
- OUTPUT 1. Survey of the most hazardous and vulnerable settlements and evaluation of the infrastructure, the preparedness of the civil society and elaboration of ways to improve disasters preparedness** *(Анализ наиболее опасных и уязвимых заселенных мест и оценка инфраструктуры, подготовка населения и выработка предложений по повышению подготовленности к бедствиям).*
- 1.1. Risk zone maps** *(Карты зон риска)*
- 1.2. Guideline for retrofit existing building**
(Рекомендации по усилению устойчивости зданий)

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RISK MAPPING FOR ALMATY AND ALMATY REGION

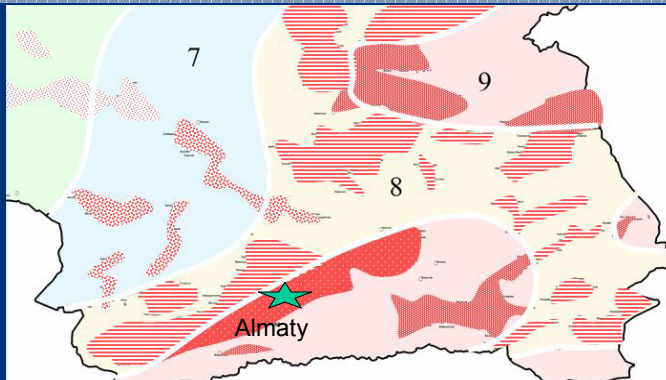


Kazakhstan



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ALMATY REGION

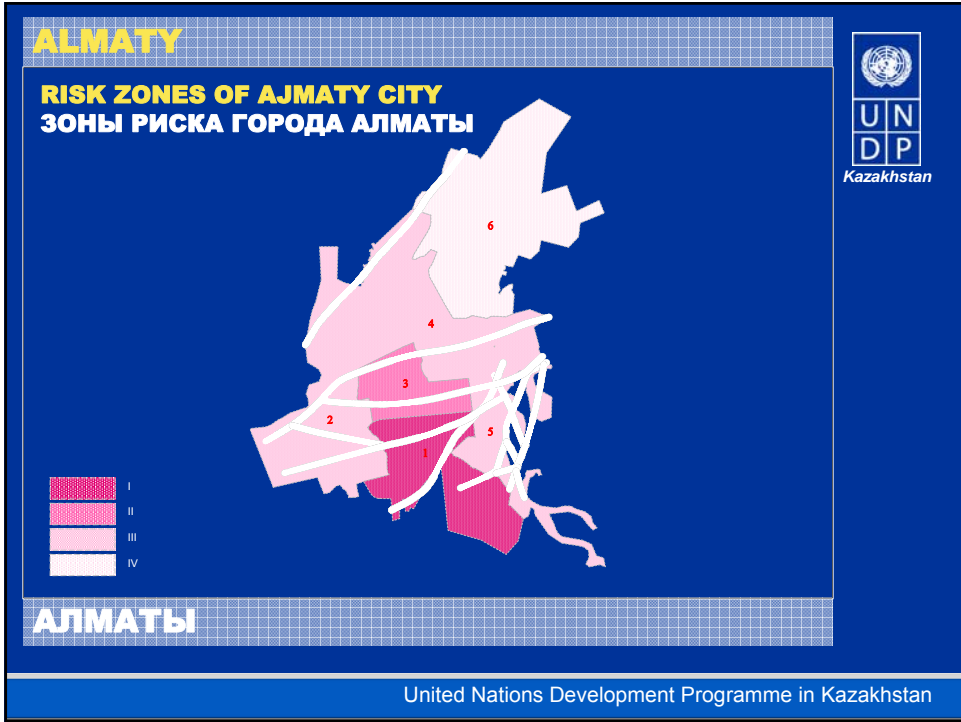


Kazakhstan

- Зона риска 1 категории (землетрясения силой 9 и выше баллов, вторичные факторы, населенные пункты 1 категории, значительный более 70% материальный ущерб)
- Зона риска 2 категории (землетрясения силой 9 баллов, вторичные факторы, населенные пункты 2 категории)
- Зона риска 3 категории (землетрясения силой 8 баллов, населенные пункты 2-3 категории)
- Зона риска 4 категории (землетрясения силой 7 баллов, населенные пункты 3 категории)
- Зона риска 5 категории (землетрясения силой 6 баллов, населенные пункты 3 категории)

АЛМАТИНСКАЯ ОБЛАСТЬ

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SAVE HOUSE IN CASE OF EARTHQUAKE

Kazakhstan

United Nations Development Programme

The project: «Local risk management in earthquake zones of Kazakhstan»

SAVE HOUSE IN CASE OF EARTHQUAKE

Almaty 2007

3

4

2

5

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OUTPUTS



OUTPUT 2. Capable local communities and mass media in preparedness to earthquakes in the disaster zones of Kazakhstan and Almaty oblast in particular (via mass media, video recording and training) and risk management initiatives

(Потенциал местного населения и СМИ в подготовленности к землетрясениям в зонах бедствий Казахстана и, в частности, в Алматинской области и инициативы по управлению рисками)

**learning materials
trainings
video films & TV & computer game**

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Development of training (3 levels) on fundamentals of preparedness to emergencies in schools

(Разработка и проведение тренингов по основам подготовленности к стихийным бедствиям в школах)

Development of educational modules and instructions for schools and universities also, in the framework of complex program of Ministry of Education of RK and UNICEF “Health and Life Skills Program”

(Разработка учебных модулей по стихийным бедствиям и методических материалов для учителей в составе комплексной программы «Здоровье и жизненные навыки»)

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VIDEO & TRAININGS



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COMPUTER GAME



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OUTPUTS



Building safe behavior skills in case of emergency situations: 5-8 & 9-10 grades

(Формирование навыков безопасного поведения в чрезвычайных ситуациях: 5-8 & 9-10 классы)

Training modules *(учебные модули)*

Pupil's working writing book *(рабочая тетрадь ученика)*

Methodical sources for the teachers *(методические материалы для учителя)*

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ПОДГОТОВКА К ЗЕМЛЕТРЯСЕНИЮ В ШКОЛЕ



Основы знаний по безопасности
(для 5-6 классов)



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OUTPUTS



OUTPUT 3. Increase disaster response potential at the Ministry of Emergency Situations of the Republic of Kazakhstan (Повышение потенциала реагирования на бедствия в Министерстве по чрезвычайным ситуациям Республики Казахстан)

3.1. Methodical and procedural materials for Disaster Response Regional Center in Central Asia Region (Методические материалы для функционирования Регионального центра по реагированию на бедствия в Центрально-Азиатском регионе)

3.2. Workshops for specialists and Rescue and Search Trainings (Семинары для лиц, принимающих решения, и тренинги спасателей)

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WAY AHEAD



Local Risk Management

Project Goals and Expected Outputs:

- development (perfection) and carrying out of trainings among various categories of population;
- development and construction of risk zone maps of potentially dangerous and vulnerable territories;
- development and production of documentary and educational video films;
- development and production of computer games on the behaviour to be adopted during the emergencies.
- Theatre Forum on natural disasters (disaster preparedness and risk reduction)
- development and application of educational modules and promotion of the complex program "Health and life skills" for schools;
- increase disaster response potential of the Ministry of Emergency Situations of the Republic of Kazakhstan;
- new information and communication technologies, updating of Web resources.

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WAY AHEAD



Development of normative legal base on emergency situations management in the Republic of Kazakhstan

Goal: harmonization of the current legislation and to bring it to conformity with the international standards.

Expected outputs:

- revelation of contradictions and gaps in the system of normative legal acts related to emergency situations;
- assistance in development and adoption of new normative acts promoting elimination of contradictions and increase of effectiveness of the legislation in the field of emergency situations;
- national legislation Concept development (reforming) in the field of emergency situations.
- actualization of the preparedness Plan of Kazakhstan to natural disasters and assistance in its consummation.

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WAY AHEAD



UN
DP

Kazakhstan

Establishment of the Regional Coordination Centre for Response to Emergency Situations in Central-Asian region.

Goals:

- scientific-methodical bases of natural and man-made emergency situation risks management;
- information supply and forecasting systems;
- monitoring systems and survey networks, including international ones;
- technical support for risk reduction and mitigation, developing and applying technical and engineering means, created on the basis of modern technologies.

Expected outputs:

- Monitoring and forecasting:
 - seismic danger and consequences of destructive earthquakes;
 - floods, mudslides, landslides;
 - pulsations of glaciers;
 - fire hazard.

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