DEVELOPMENT AND VULNERABILITIES

Space occupation for establishments of population and production of goods and services: location in zones prone to dangers.

71% of the population in areas of very high and high sismic danger.

Concentration of villages in zones of high geologic danger.
Multiplicity of Dangers

- Another approximation of territorial priorities.
- It gives more importance to seismic dangers due to its devastating potential.
- It defines areas of special treatment.
Disasters associated to natural dangers in Peru

Evolution of emergencies - Natural Phenomena

Emergencies 1995-2003 according to the type of danger

- Geológicos: 72%
- Climáticos: 6%
- Sismos: 1%
- Otros: 21%
Climatic dangers, poverty and atmosphere

An approximation of territorial priorities only climatic dangers
TOTAL EMERGENCY REPORTS 1993 – 2003

- 1993: 116
- 1994: 344
- 1995: 393
- 1996: 311
- 1997: 480
- 1998: 687
- 1999: 522
- 2000: 1116
- 2001: 1110
- 2002: 1376
- 2003: 3354
REHABILITATION
- Rebuild retaining walls
- Clean ditches
- Renewal of basic services

RESPONSE
- Rescue of victims
- Damage Control
- Shelter, clothing and food

RECONSTRUCTION
- Infrastructure relocation
- Development planning
¿WHAT DO WE SEEK WITH THE APPLICATION OF THIS SYSTEM?

• IMPROVE THE STATE’S CAPACITY OF RESPONSE TOWARDS AN EMERGENCY CAUSED BY A DISASTER

• OPTIMIZE PUBLIC RESOURCES USE.

• DIMINISH THE COUNTRY POVERTY LEVELS, ESPECIALLY WITH THE RURAL POPULATION.
IDENTIFY, EVALUATE AND PRIORITIZE THE PIP’S RELATED TO THE ATTENTION OF DISASTERS THAT FORM PART OF A PROGRAM APPROVED BY THE MULTISECTORIAL COMMISSION OF PREVENTION AND ATTENTION OF DISASTERS (CMPAD).
SIMPLIFIED PROCEDURE

ELEGIBILITY CRITERIA

- LOCATED IN A ZONE DECLARED IN EMERGENCY SITUATION BY A RECENT EVENT.
- AFFECTED BY NATURAL DISASTERS AND NOT LOCATED IN A ZONE DECLARED IN EMERGENCY SITUATION, PREVIOUS APPROVAL OF THE CMPAD.
- THE ACTIONS TO BE EXECUTED MUST HAVE A NEXUS OF DIRECT CAUSALITY WITH THE EXTREME NATURAL PHENOMENON THAT CAUSED OR CAN CAUSE A DISASTER.
- IT MUST IMPLY A SHORT PERIOD OF EXECUTION.
INSTRUMENTS

- Elegibility Technique Card
- DGPM’s legal norms
- Agreements subscribed between INDECI and the executors units
- Situation Report Formats
Procedure to incorporate Risk Analysis in a pre investment study

**DIAGNOSIS OF THE INFLUENCE AREA OF THE STUDY**
- Area characterization
- Dangers inventory and impacts historical data

**DANGER-THREAT ANALYSIS RELATED TO THE PROJECT INFLUENCE AREA**
- Type of threat, impact area
- Probable duration, intensity, frequency and damages
- Probabilistic analysis of future occurrence and its characteristics

**VULNERABILITY ANALYSIS OF THE PROJECT ELEMENTS**
- Elements exposure
- Susceptibility or fragility
- Resilience Degree

**RISK ANALYSIS IN ALTERNATIVES**
- Estimation of the magnitude of probable damages on vulnerable elements

**ANALYSIS OF RISK REDUCTION MEASURES IN THE SELECTION OF ALTERNATIVES**
- Estimation of the costs and benefits of the risk reduction alternatives
- Incorporation of such costs and benefits in the alternative project evaluation

**chosen alternative incorporates risk analysis and guarantees sustainable investment**