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## **KEYS TO UNDERSTANDING** AND COMMUNICATING ENVIRONMENTAL HEALTH ISSUES

The purpose of this reference tool is to provide a list of the main questions that need to be addressed in analyzing an environmental health issue, and in communicating human health hazards.

## Description of environmental situation

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- > What is the nature of the environmental change (e.g., chemical, biological, physical, or climate related)?
- ► Will the issues be ad hoc, recurring or permanent?
- ► How is the change expected to evolve over time (expand or regress)?
- > Are the issues local, regional or broader in scope (country, continent, planet)?

## What are the sources of these issues?

- ► Are the sources natural or anthropogenic (related to human activities)?
- ▶ In the case of natural and anthropogenic sources, what is the relative contribution of each one?
- ► Are there any local sources with a significant contribution in relation to all other sources?
- ► How and where is the source of contamination spreading?

## **Community profile**

- ► Does the community include vulnerable groups?
- ► What is the economic, social and health status of the community?
- ► What lifestyles have been impacted by the environmental change (e.g., importance of fishing to the community)?
- ► What are the challenges (economic, cultural, personal, health, etc.) in relation to the environmental issues under study?

## How can health hazards be communicated effectively?

- > Thorough knowledge of community (challenges, concerns, sensitivities, etc.).
- Send out clear messages.
- ► Address questions/concerns in straightforward manner.
- > Ensure that messages are heard and understood.
- ► Get community involved in the process associated with the issues (before, during and after).
- > Know which organizations to contact in the event of an emergency.

**Reference tool** 

## What are the potential environmental effects?

- ► Could changes to the aquatic environment have an impact on other environmental components (air, soil)?
- ► What are the potential effects on ecosystems?
- ► Could there be changes to quality of life (e.g., landscape, noise level or condition of property)?





## POTENTIAL LINKS BETWEEN THE ENVIRONMENT AND HUMAN HEALTH, AND CONSIDERATIONS WITH REGARD TO COMMUNICATING INFORMATION



## **COMMUNICATING RISKS**

### Anticipating perceived risk

- ► Is the main cause of the risk human or natural?
- ▶ Is the main cause of the risk something new, or fairly familiar?
- ► Is the risk perceived as being inevitable?
- ► Is the risk unequally distributed?
- ► Are children the most vulnerable?
- ► Does the danger pose an immediate or future risk?
- ► Will lifestyles have an impact on the risk?

### Send out a clear message

- ► Ensure that the dangers and health risks are explained clearly and plainly.
- ► Would it be possible to better understand and anticipate the environmental situation (analyses, forecasts)?
- ► Ensure that the information is thoroughly understood.
- ► Is the general public receiving conflicting or confusing messages from responsible authorities?
- Track the information conveyed by the media.
- > Are protective measures clear, accepted by the community and well understood?

#### Communicating effectively

- more aware?
- - available?

# What are the potential health effects? Accidents. ► Infectious or chemically induced diseases: - Are there known effects (acute or chronic exposure)? - Are the effects reversible? - Could there be dramatic consequences (e.g., death or cancer)? Psychosocial effects (related to stress, impacts on community, physical health and/or the environment) > Pay attention to causal links associated with environmental conditions and to limitations of knowledge. Who are the most vulnerable groups? ► In terms of their exposure. ► In terms of their sensitivity.

> Could the situation entail fear of illness for oneself or one's children, or the transfer of health problems to future

► Should more ties be established with the community? Should people be made

> Consult, plan and make forecasts in cooperation with the community. > What are emergency response priorities?

► Has a response plan been developed and are resources (support, supplies)

► Should response plans for potential health problems be prepared? ► Should a monitoring program for at-risk populations be put in place? > Should efforts be made to join forces with established organizations?