Technical and Cultural Aspects of Risk Perception and Management

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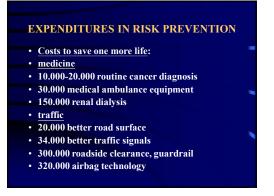
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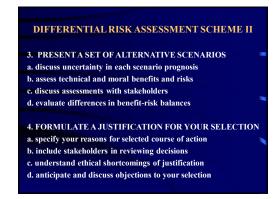








DIFFERENTIAL RISK ASSESSMENT SCHEME I 1. PROBLEM IDENTIFICATION a. collect technical (medical) data b. collect significant human data c. identify value elements d. discuss relations between technical and moral issues 2. DEVELOP ALTERNATIVE SCENARIOS FOR ACTION a. establish reasonable possibilities for each scenario b. identify stakeholders c. identify principles uncertainties d. discuss ethical and technical risk and uncertainty



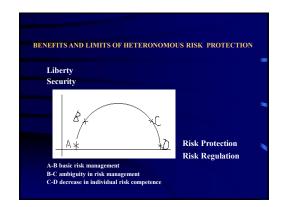
DEFENSIVE RISK ETHICS – PROGRESSIVE RISK ETHICS - technological progress outweighs moral capacity; therefore reduce or restrict technological development - technological progress demands better moral risk competence; therefore strengthen individual risk education and responsibility



MANAGEMENT OF EXTERNAL RISK • personal value competence • social and cultural solidarity • experienced risk competence







THE TWO MANDARINS I

This is the story of the blue and the red mandarin: Both mandarins had brought a great discovery to their province; the blue mandarin a precious blue stone of miraculous powers, and the red mandarin a precious red stone of similar miraculous powers. Both wanted their people to improve their qualities of life, success, health and happiness. The blue mandarin created a system of relatively just access to the powers of the miraculous stone; the red mandarin just handed the stone over to the people to take care of it and enjoy it directly with the support and advice of a few experienced professional stone handlers.

THE TWO MANDARINS II

• The red mandarin made his people happy, healthy, and prosperous immediately and directly, while in the province of the blue mandarin where the handling of the stone was kept in the close circles of feudal underlings problems of just access, information, and education among the citizens in using the great powers were missing so that the powers of the new discovery could not be exploited for the sake of individual happiness and societal health and prosperity.

THE TWO MANDARINS III

The stories of the blue and the red mandarin picture two different risk cultures in providing wealth care, health care, and wisdom to the people: one way is the old fashioned way of handling things primarily through the circles of elites, the other way is to give wealth and wisdom directly to the people. All revolutions have to have two levels, one level of invention and vision and one level of implementation, distribution, and cultivation.

THE TWO MANDARINS IV

No revolution, political, social, or scientific, will ever be successful if the people are not given and are not allowed to take their own risk and to pick their own visions and to have the powers to handle health, wealth, and wisdom themselves.

Long live this revolution, said the people who were grateful to the blue mandarin, hiss wisdom, his riches, and his gifts.

