





- First, in conjunction with all of the stakeholders in the decision process, you decide on the important criteria or goals to achieve
- The different decision criteria can be all considered equally important or can be given different weights
- A number of decision alternatives are then created





- An objective function is formed that merges together the information on the weights and the rankings to give an overall evaluation of each alternative
- This gives an objective, transparent, and consistent way to evaluate and compare decision alternatives



## Example

- From these meetings, you
  - Identify concerns
  - Form a stakeholder group to continue to work with
- You find three overall concerns:
  - The economy of the town depends on the company's continued operation
  - The local residents are concerned about their and their children's health (children walk next to and across the site)
  - Local ecologists are worried that runoff from the site might impact important wetlands and local wildlife



## *Example*A number of different types of cleanup could be done No Action until the company closes the plant (about 10 years) Partial remediation now to mitigate hazards with more cleanup at shutdown Immediate shutdown of the operation and total cleanup



	Example				
			Criteria		
	Alterna tives		Health	Economy	Ecology
		No Action	0	5	0
		Partial Cleanup	3	4	3
		Total Cleanup	5	0	5
				L	4





