

Rough Total Cost Estimates

- Total of past investment and new investment: about 170 MUSD
- Total operating costs: 26 MUSD/year

Rough Costs of Individual GSETT-3 Elements

- For Alpha Network
New investment: 12 MUSD
Running cost (including comms): 12 MUSD/year
- IDC:
New investment: 3 MUSD
Running cost: 6 MUSD/year
- For Beta Network:
New investment: 4 MUSD
Running cost (including comms): 8 MUSD/year

2. The range of costs for individual seismic installations which could be required by an international seismic monitoring network:

- Seismic Arrays:
New investment: 1 MUSD - 10 MUSD
Running cost (including comms): 50 KUSD/year to 500 KUSD/year
- Three Component Seismic Stations:
New investment: 200 KUSD - 2 MUSD
Running cost (including comms): 20 KUSD/year to 450 KUSD/year.

3. Additional Information that is Required for Estimating Future Costs:

Upon the completion and evaluation of GSETT-3, we will know the true cost of operating an experimental network of proven capability, and we will be able to compare these to our initial theoretical estimates. In addition, before reasonable estimates can be given for the costs and capabilities of future networks, the following information, which depends on political decisions, will be needed. Depending on the answers to the following questions, the cost estimate could vary by as much as an order of magnitude.