











Query Optimization Objectives in DDBS

- To transform a query in a high-level language (SQL) on a distributed DB (seen as a single DB by the user) into an efficient execution strategy, expressed in a lower-level language (extension of relational algebra with communication and data transfer operators), on several local DB's
- Cost factors to minimize
 - → Centralized DB: CPU and I/O cost only (actually, only I/O)
 - → Distributed DB: also communication costs
 - Communication costs are the dominating ones (even though this might not be the case with increased network speed, especially within Local Area Network)

