Dealing With Heterogeneity

- **Hardware platform . . . . .** — **Hidden by operating system**
- **Operating system . . . . . .** — **Choices are reducing: POSIX**

  Fewer choices
- **Programming language . .** — **Irrelevant in remote access**
- **Database system model . .** — **Relational and E-R common**
- **Database system . . . . . .** — **Standards, convergence**
- **Coverage . . . . . .** — **Source dependent**
  - **Attributes** — **documented, additive**
  - **Scope** — **undocumented, intersecting**
- **Data representation . . . . .** — **Conversion problems, nulls**