PREDICTABILITY, ROBUSTNESS, POWER

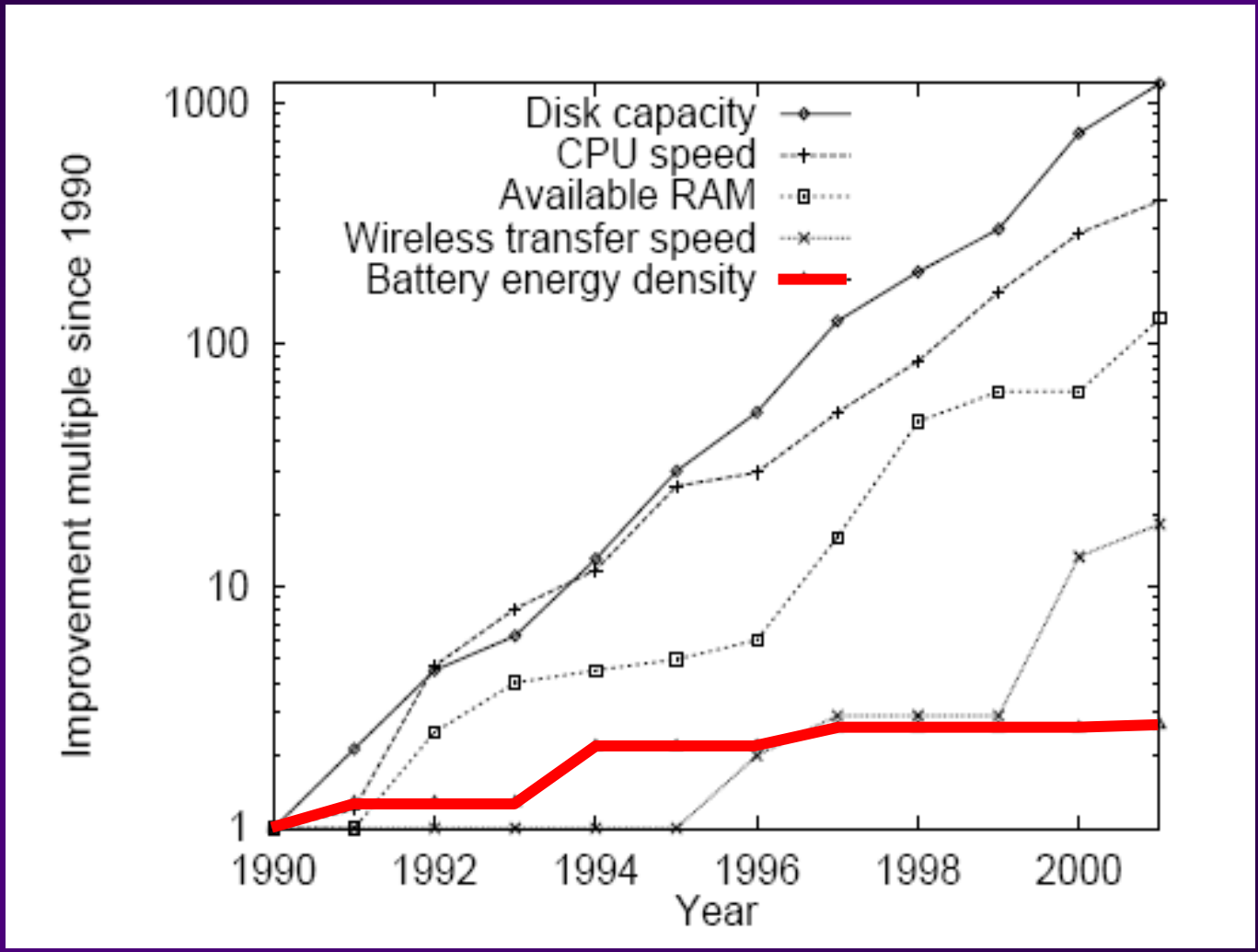
- RESPONSIVENESS AND RECONFIGURABILITY
  - Estimate SNET performance sensitivities and adapt

- PERFORMANCE PREDICTABILITY, ROBUSTNESS
  - Optimization with perf. requirements as *constraints* (e.g., hard real-time constraints on data or tasks processed)
  - Robust deployment architectures

- POWER MANAGEMENT
  - Power vs Latency
  - Dynamic Transmission Scheduling

WHY IS ENERGY EFFICIENCY IMPORTANT?

Battery technology lags behind all others !



Starner, 2001