Mobile computation and mobile agents

Juan Camilo Rada

Mobile systems

"Easily moved physically and computing capabilities be used while they are being moved"

Mobile systems – static stations

Social capabilities

- **Designed** to be used as single stations

- Born to be social

Screen Size

- Imac Height : 17.7 inches

- Ipad Height:9.4 inches

- Iphone Height 4.87 inches

Peripherals

- Web Camera

- Proximity Sensor
- Motion sensor/accelerometer
- Ambient Light sensor
- Gyroscope
- Moisture sensor

Inputs methods

- Keyboard

- Keyboard Hotkeys

- Gestures

- Touch

Context

- Static

- Any time! Any Where!
- Contextually relevant

Connectivity

- Connections speed
- Intermittent Connectivity

Battery and processing power

- Limited processing
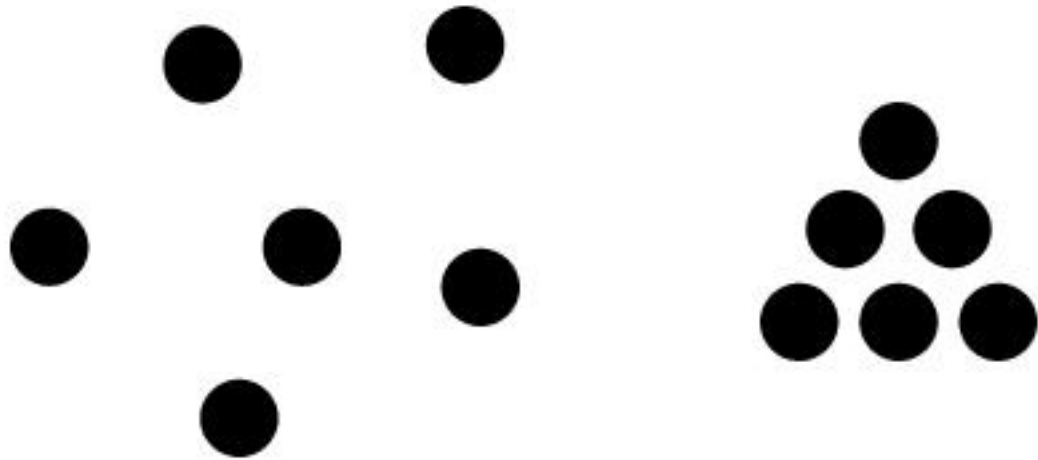- Limited Battery

Mobile´s Unique Benefits

- The first Truly personal mass media

- The first always-on mass media

- The first always – carried mass media

- The only mass media with a build-in payment channel

Mobile systems added dimensions
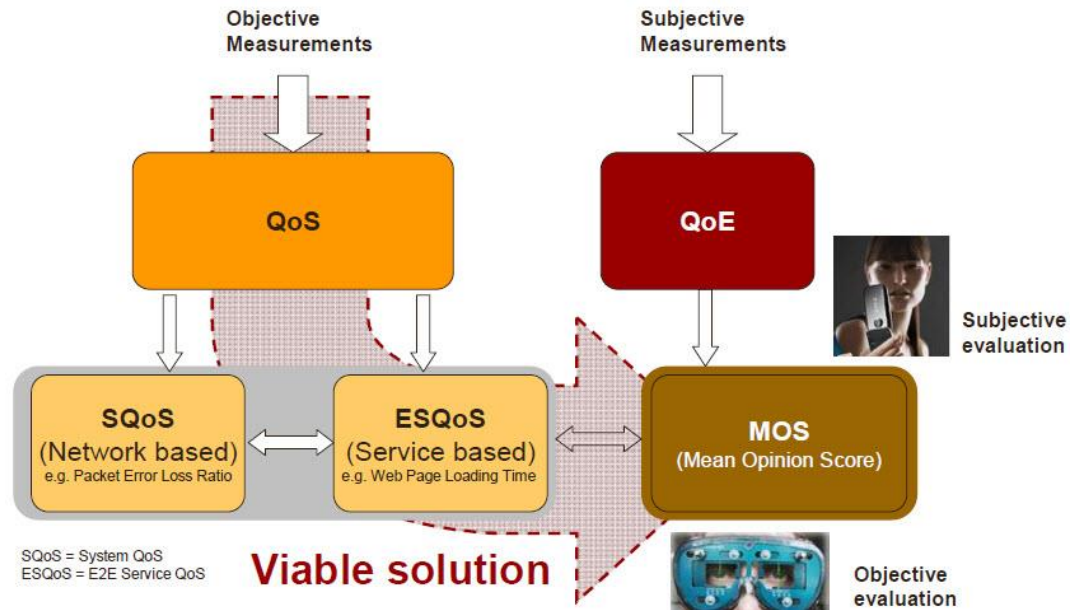
- Location Awareness

Proximity, Ambient Light Sensors

Quality of service

QoS and QoE parameters – Mapping Model

Quality of Service

- Low throughput

- Dropped packets

- Errors

- Latency

- Our of order delivery

Varying User interfaces

Platform proliferation