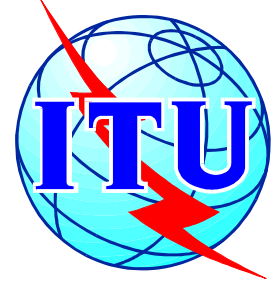


Mobile Internet and its impact on Interconnection

**Robert Shaw and Tim Kelly,
International
Telecommunication Union,
Fixed-Mobile Interconnection
Workshop,
Geneva, 20-22 September 2000**





Input from Bob ...

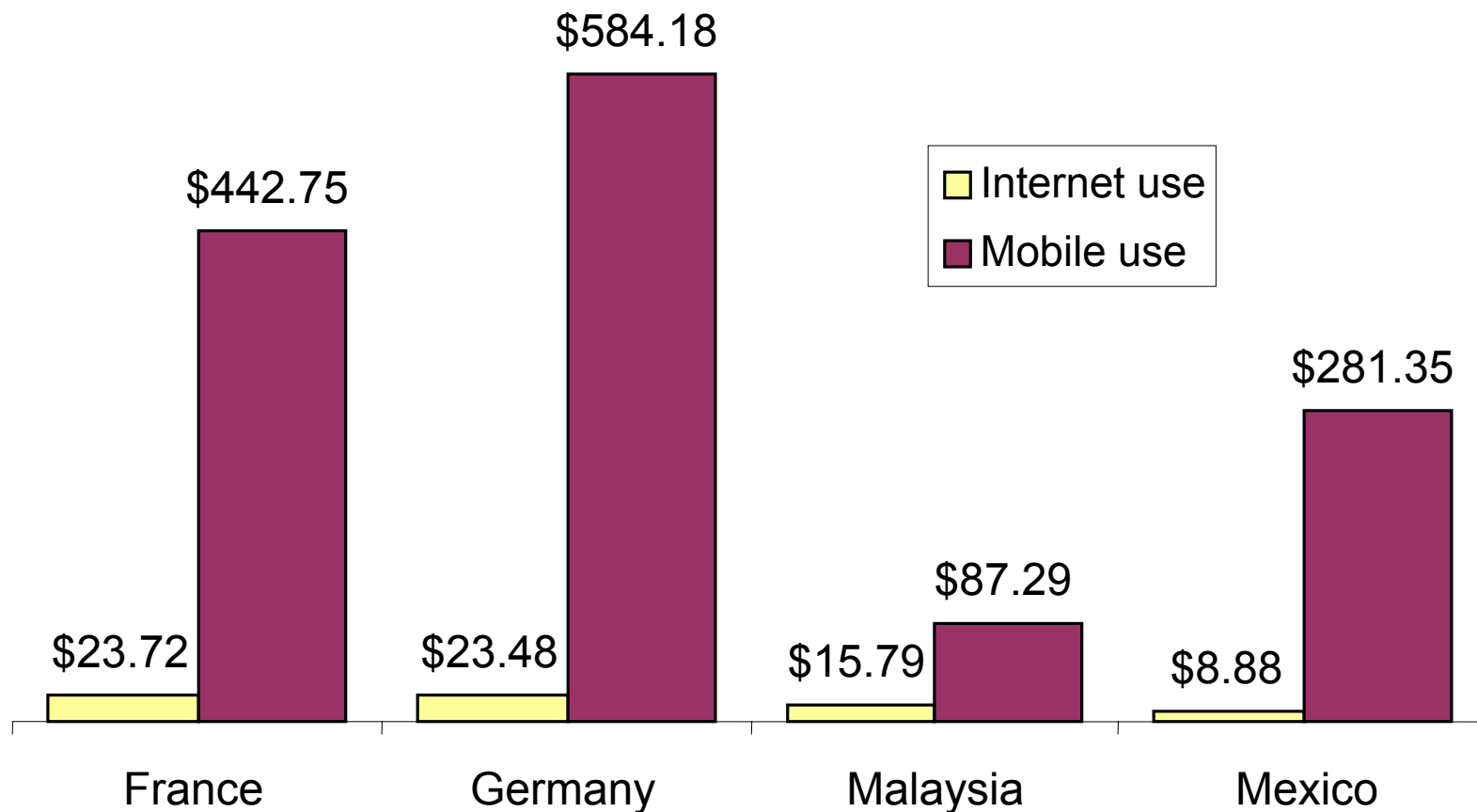


Mobile Internet Applications

- **Person-to-person (communications) services**
- **Mobile office (business) services**
- **Mobile E-commerce services**
- **Travel/location based services**
- **Entertainment/leisure/music services**
- **Telemetry (machine-to-machine) services**
- **Wire-less access to Internet from fixed locations, esp. in developing countries**



Relative price differences, 20 hours per month, mobile & Internet



Note: *ISP charge includes off-peak call charge plus ISP charge.
Mobile includes subscription plus peak and off-peak call charges.*

Source: *ITU World Telecom Indicators Database.*



Mobile Internet dilemmas

- **In the Internet world:**

- ⇒ **Access is generally unmetered, flat-rate**
- ⇒ **E-mail is perceived to be a “free” application**
- ⇒ **Content providers gain revenue principally through advertising or subscription**

- **In the mobile world:**

- ⇒ **Access is generally metered, per-minute**
- ⇒ **Voice mail and messaging are charged by air-time**
- ⇒ **Content providers share airtime revenues**

- **In a mobile Internet world:**

- ⇒ **Which business model takes precedence?**
- ⇒ **Who does the billing?**
- ⇒ **How are interconnect revenues split?**