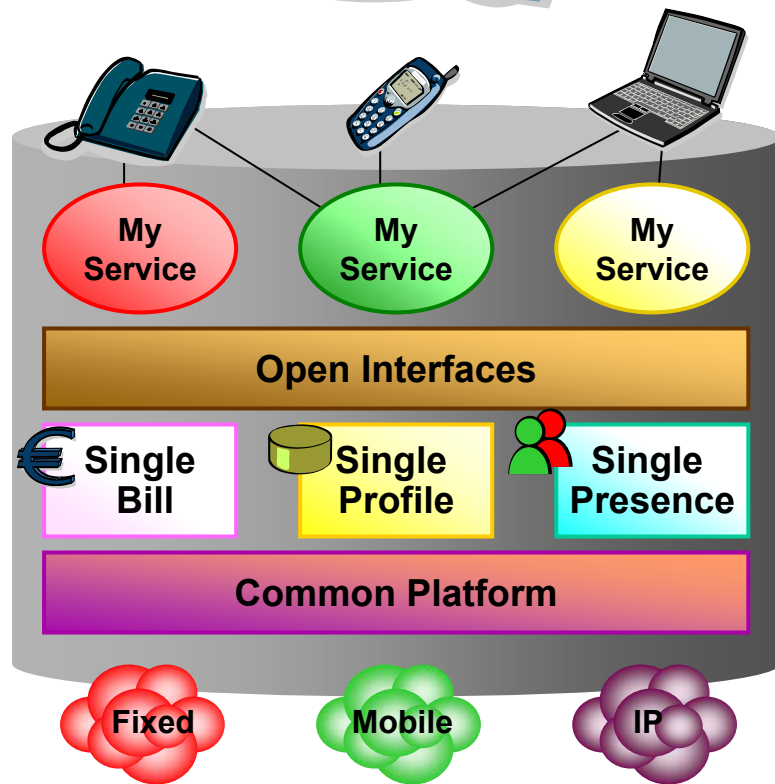
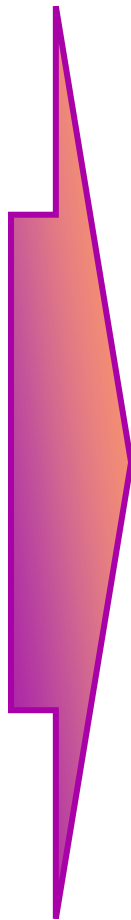
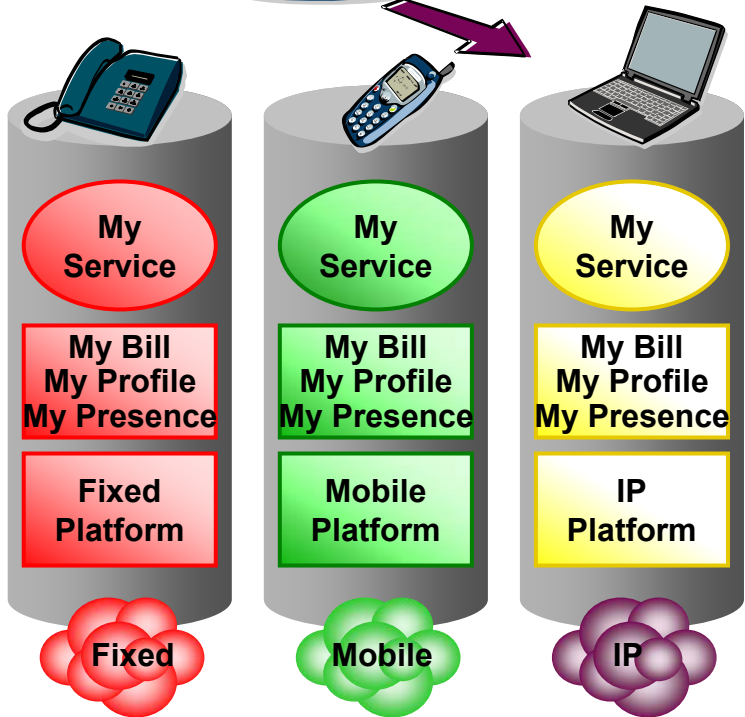




Contribution to Brainstorming Meeting on Future Trends

Münchner Kreis 19 January 200

Vision: User-Centric Broadband From "Stovepipes" to Open Service Delivery Platform



New methods to provide multiple new services economically

- **Framework of components:** increased efficiency by synthesizing new services through reuse of existing (distributed) basic components
 - implementing only few new components and reuse the majority available components
- **Provisioning a multitude of short-lived new services on demand require **autonomic behavior** of the network infrastructure**
 - service requirements to be mapped on available resources (middleware technology)
 - dynamic self-organization

Shift of business models in communications

- **Value of the terminal increasing → peer-to-peer technologies**
 - new capabilities of end user devices
 - multi-functional intelligent devices as user gadgets
- **Federation of data base, search and communication realms**
 - lightweight communication technology embedded into global knowledge base

Global needs

- **user:** more mobility, higher bitrates/performance, access everywhere, any service everywhere, any network, any device, easy handling and usage, hidden heterogeneity of technologies, plug & play, high reliability, availability, security and privacy on network and service levels, ...
- **operator:** integration/interworking of different wireless and wireline technologies adequate to different and specific requirements, common operation and maintenance procedures, minimized operation effort, scalable architectures, structured topologies extended by more flexible topologies e.g. mesh structures, self-configurable, flexible usage of frequency spectrum,...
- **supplier:** towards universal and generic platforms, reconfigurable, SDR, multi-standard, multi-interfaces,...
- **general:** ubiquitous networks, sensor networks, wireless embedded everywhere

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