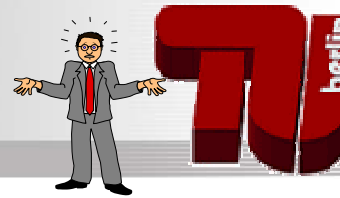


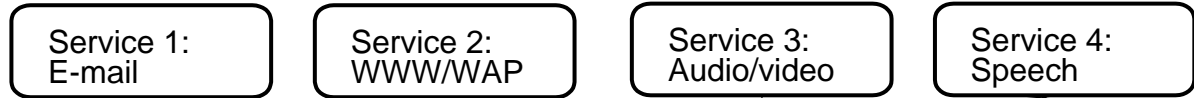
Ambient Aware Information Delivery

Stephan Steglich, Christian Räck, Stefan Arbanowski
steglich@cs.tu-berlin.de, <raeck|arbanowski>@fokus.fraunhofer.de

Technical University Berlin / Fraunhofer FOKUS
Institute for Open Communication Systems
Kaiserin-Augusta-Allee 31
10589 Berlin, Germany

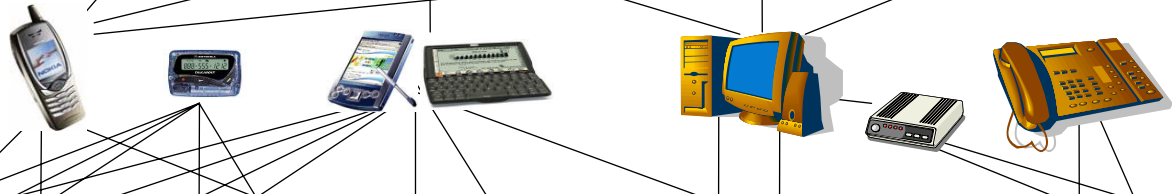


SERVICES

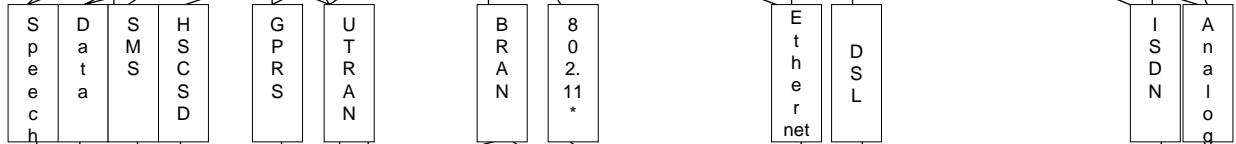


TERMINALS

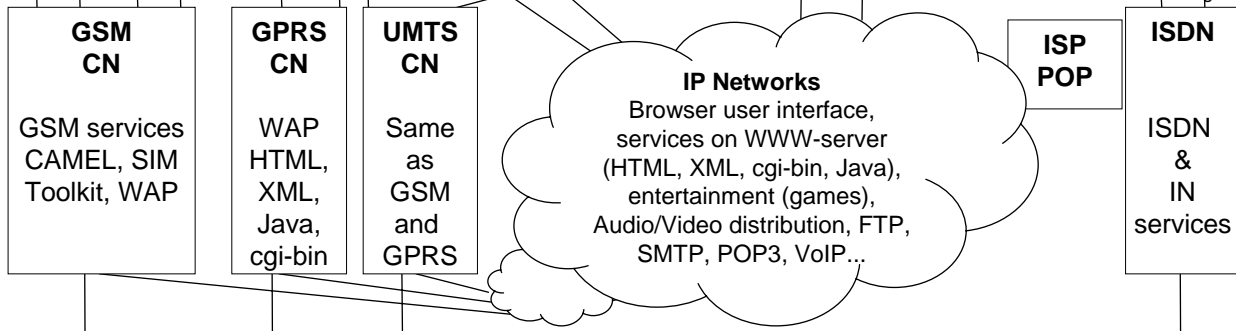
- Mobile phone
- PDA/communicator
- Laptop computer
- Workstation
- Telephone set



ACCESS



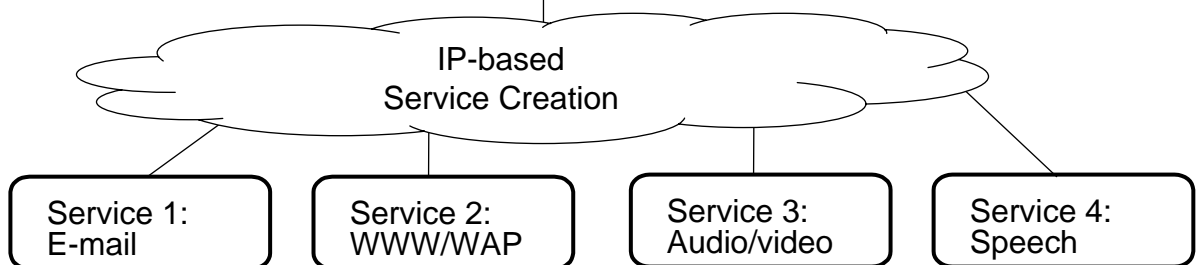
Core Network



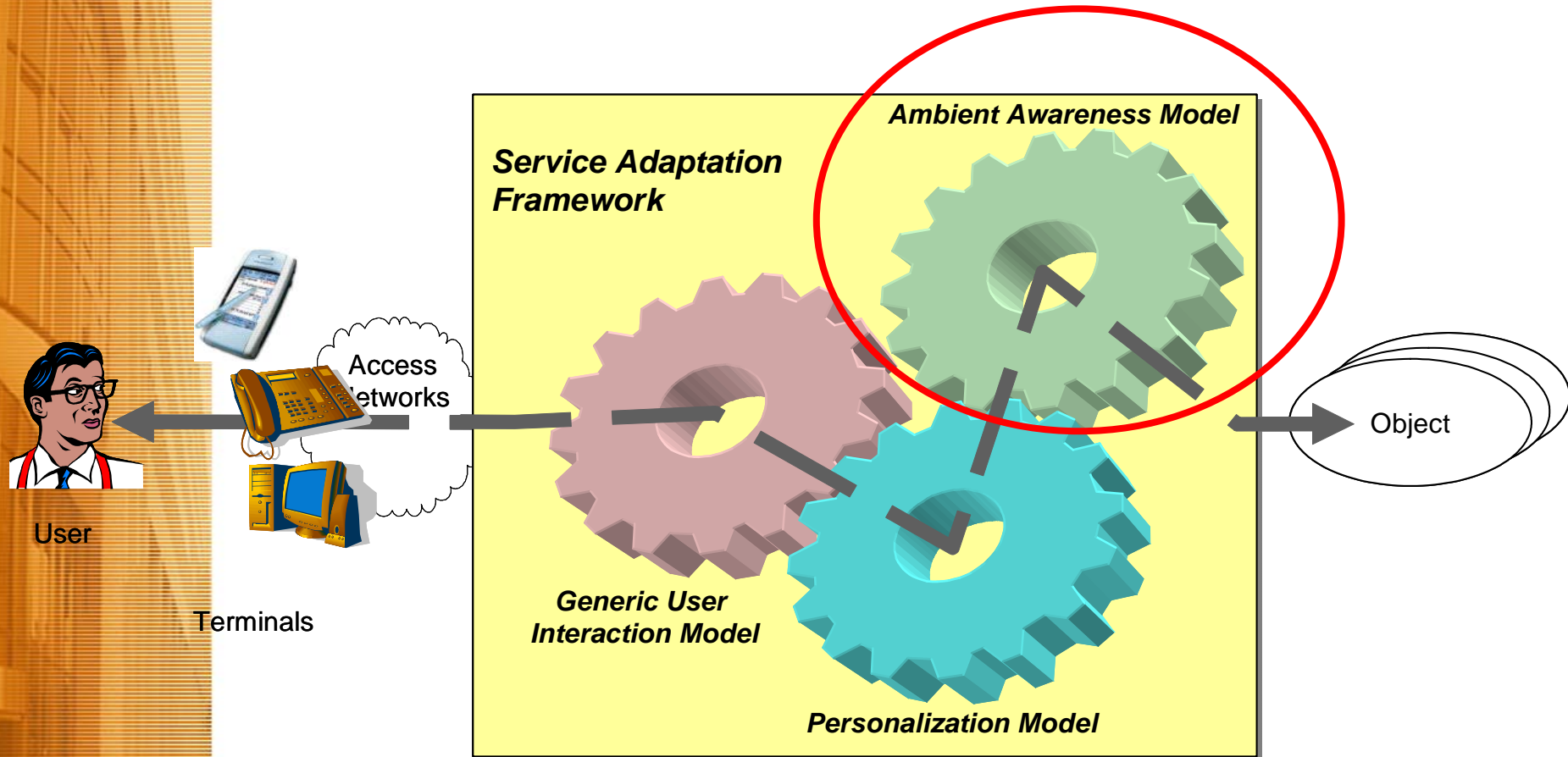
Current Service Creation

Service adaptation to the terminal and access capabilities. Hide access technology and personal/terminal mobility. Provide: user identification, authentication, charging (content, service, access and transport), billing, location information, terminal capabilities, access/transport available...

VHE Service Creation

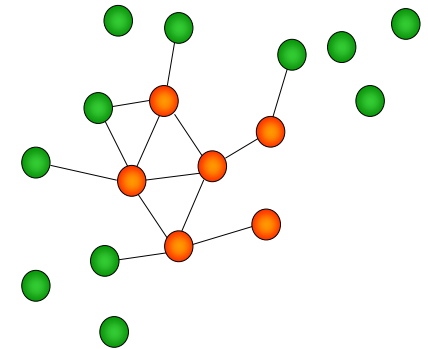
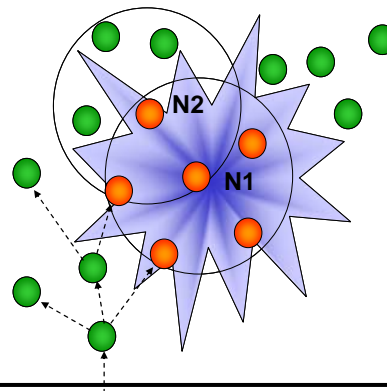
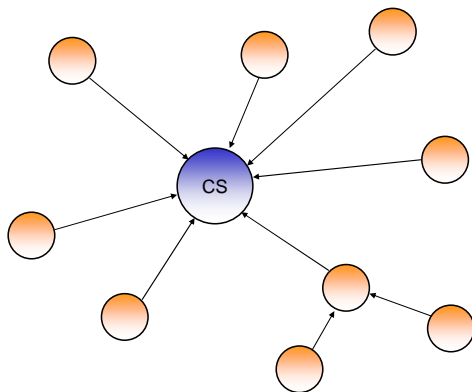
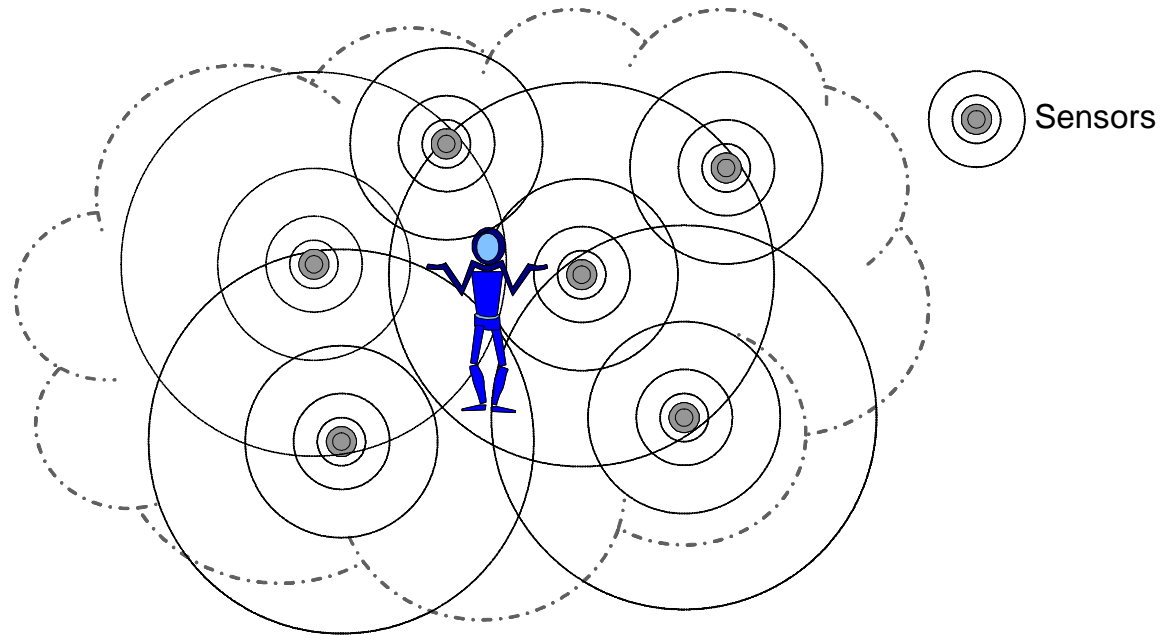


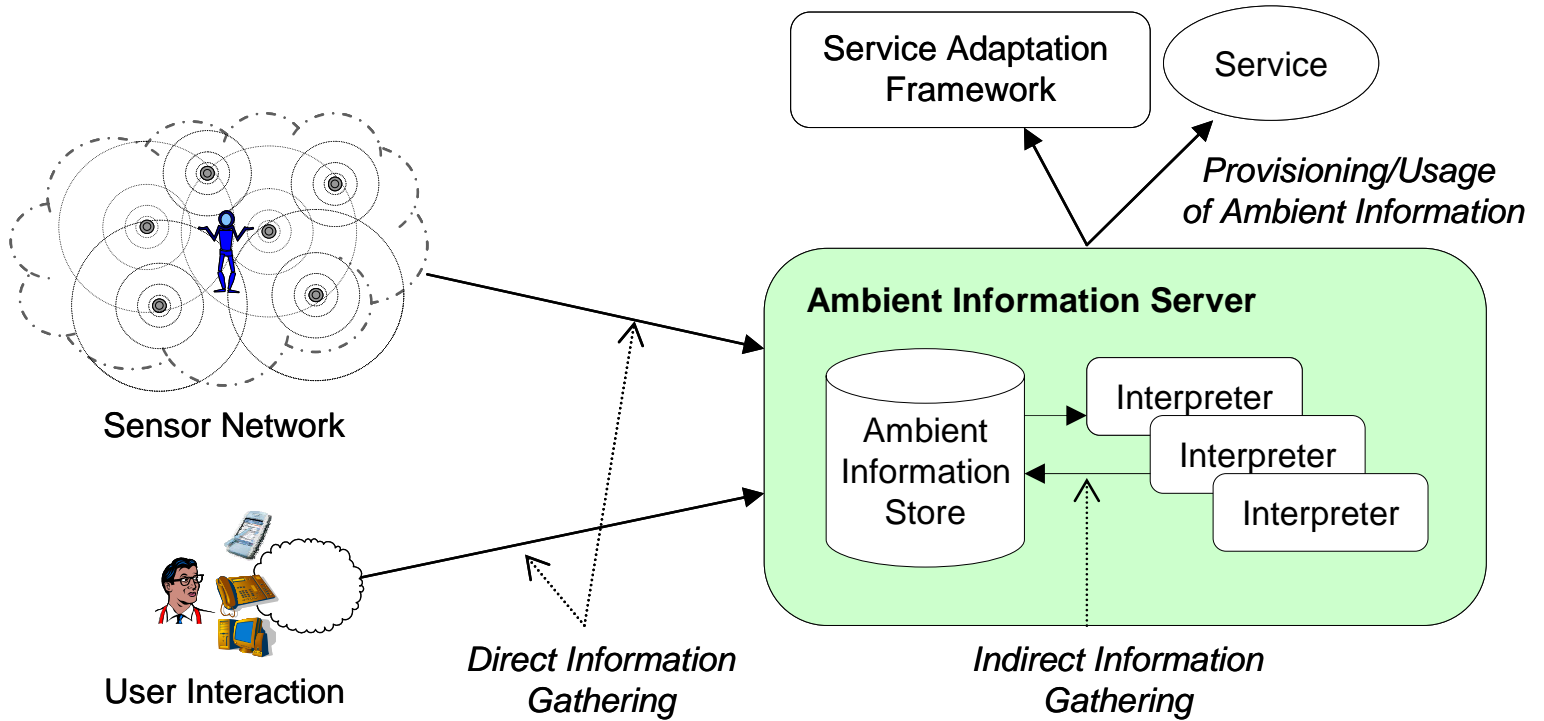
Flexible service creation. Fast service introduction and easy online management. Service personalisation, customisation (service profile)...

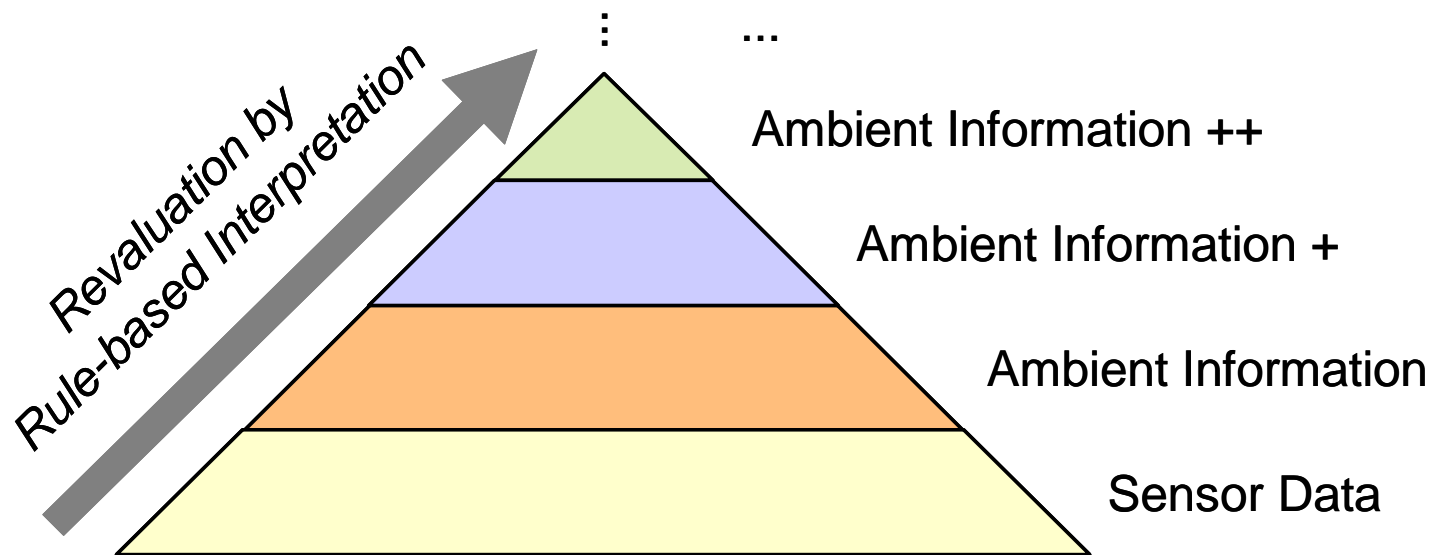


- **Ambient information** describes the environment of the user at a certain moment in time. This includes physical measurable data, but also relevant items residing in the environment, such as devices and other objects.
- **Multi-context indicators:**
 - Physical contextual indicators, e.g. levels of brightness, noise, humidity, and temperature.
 - Computing context indicators, e.g. network connectivity characteristics, nearby devices.
 - User context indicators, e.g. user's location, social conditions, user's history.
 - Temporal context indicators, e.g. time of day, day of week, time before or after a specific event.
- **Ambient awareness** means to consider and to adapt to information about the user's environment (ambient information) in the service provisioning.

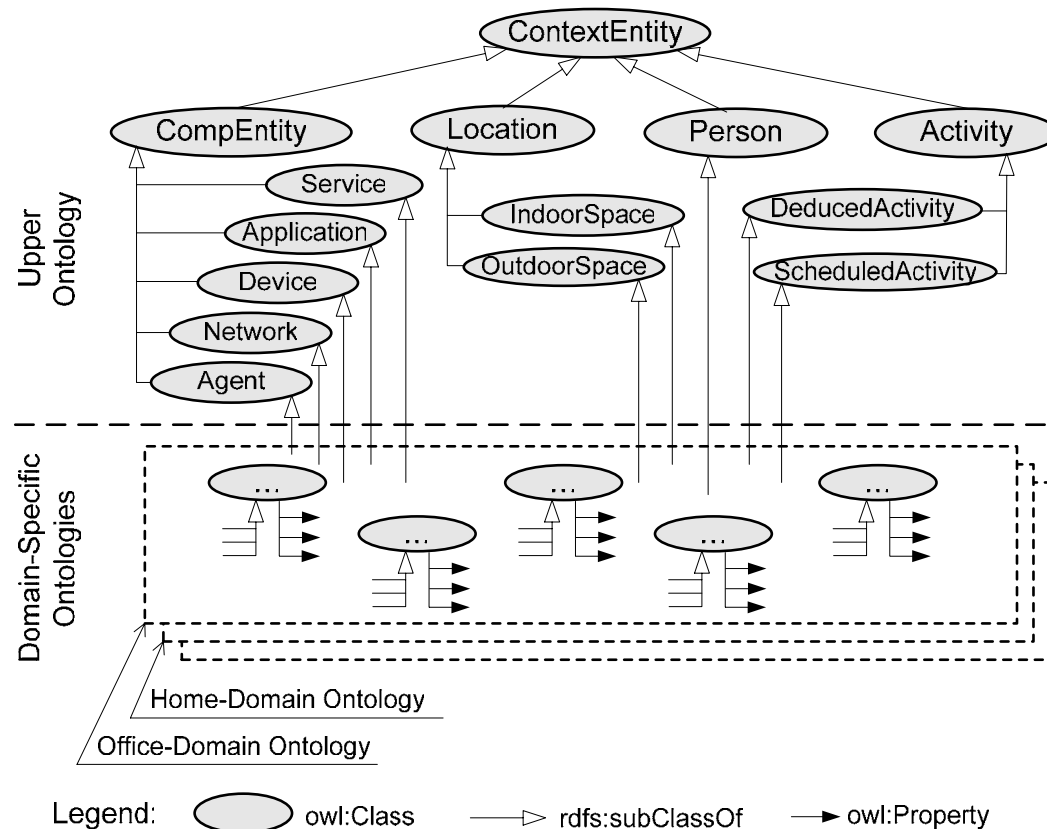
- Directly
 - From sensor devices, which measure and provide physical values.
 - From explicit user statements, by which the user himself describes the environment, e.g. specifying the current location.
- Indirectly:
 - By interpreting available data in order to process/revaluate more information. For example, if the location of an active user terminal is known, the location of the user can be derived accordingly.

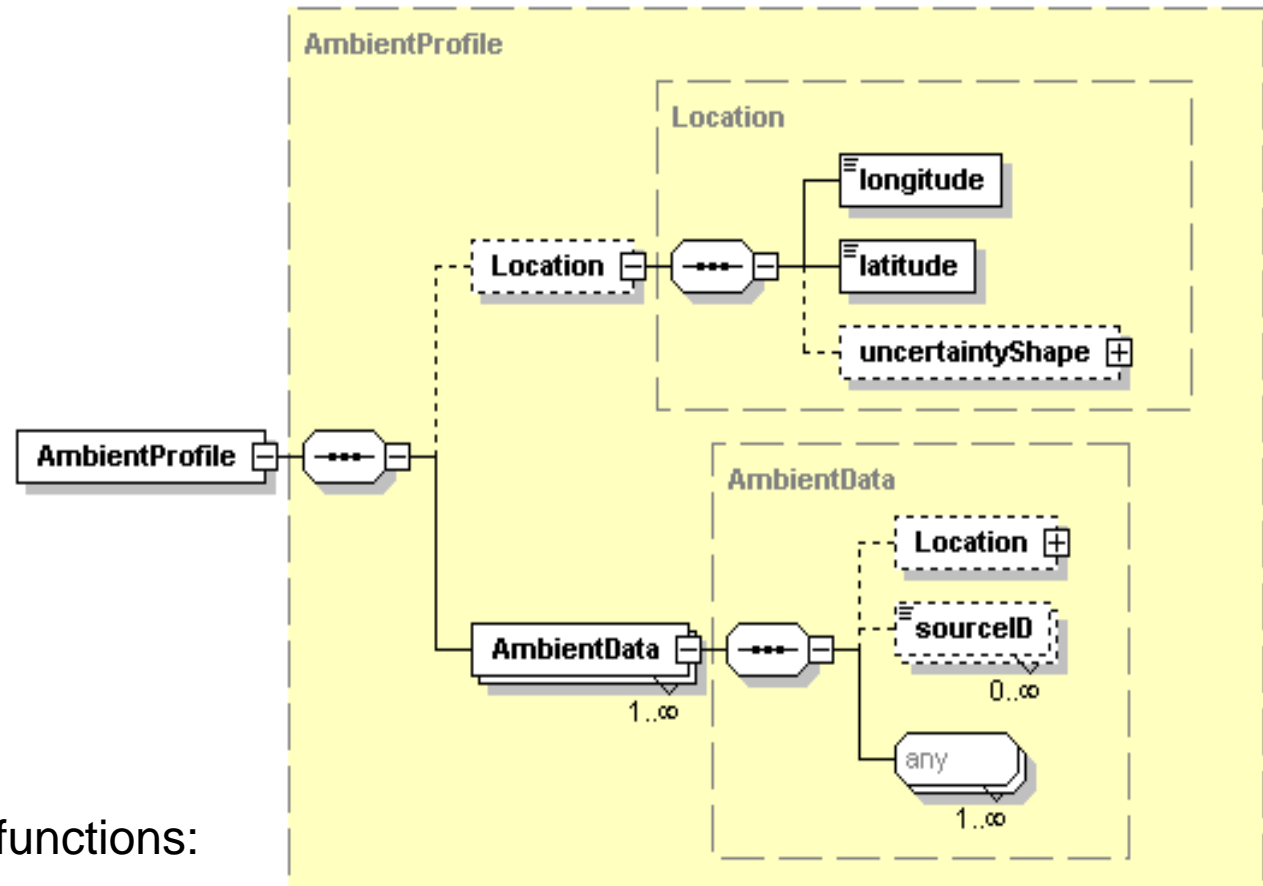




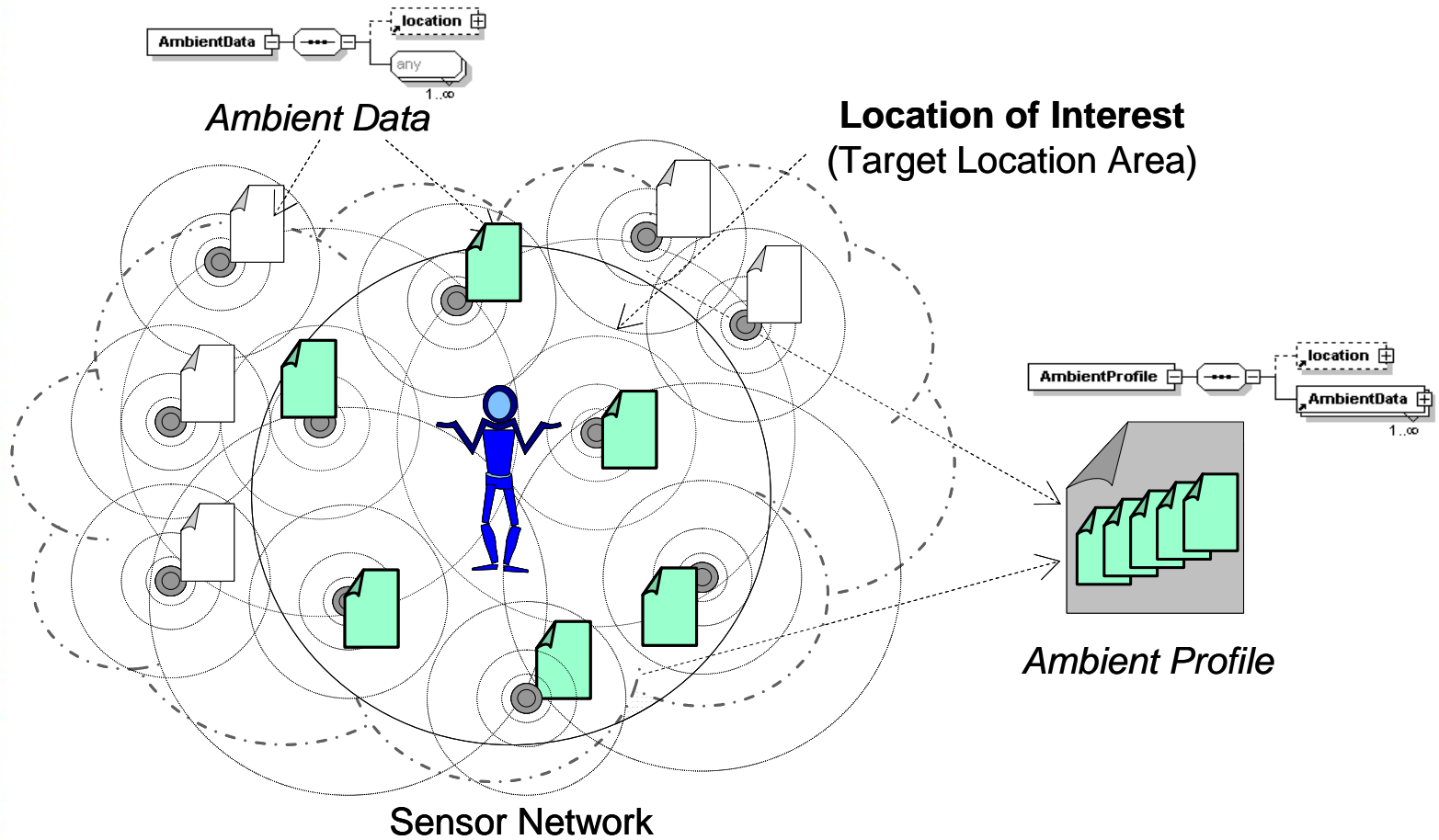


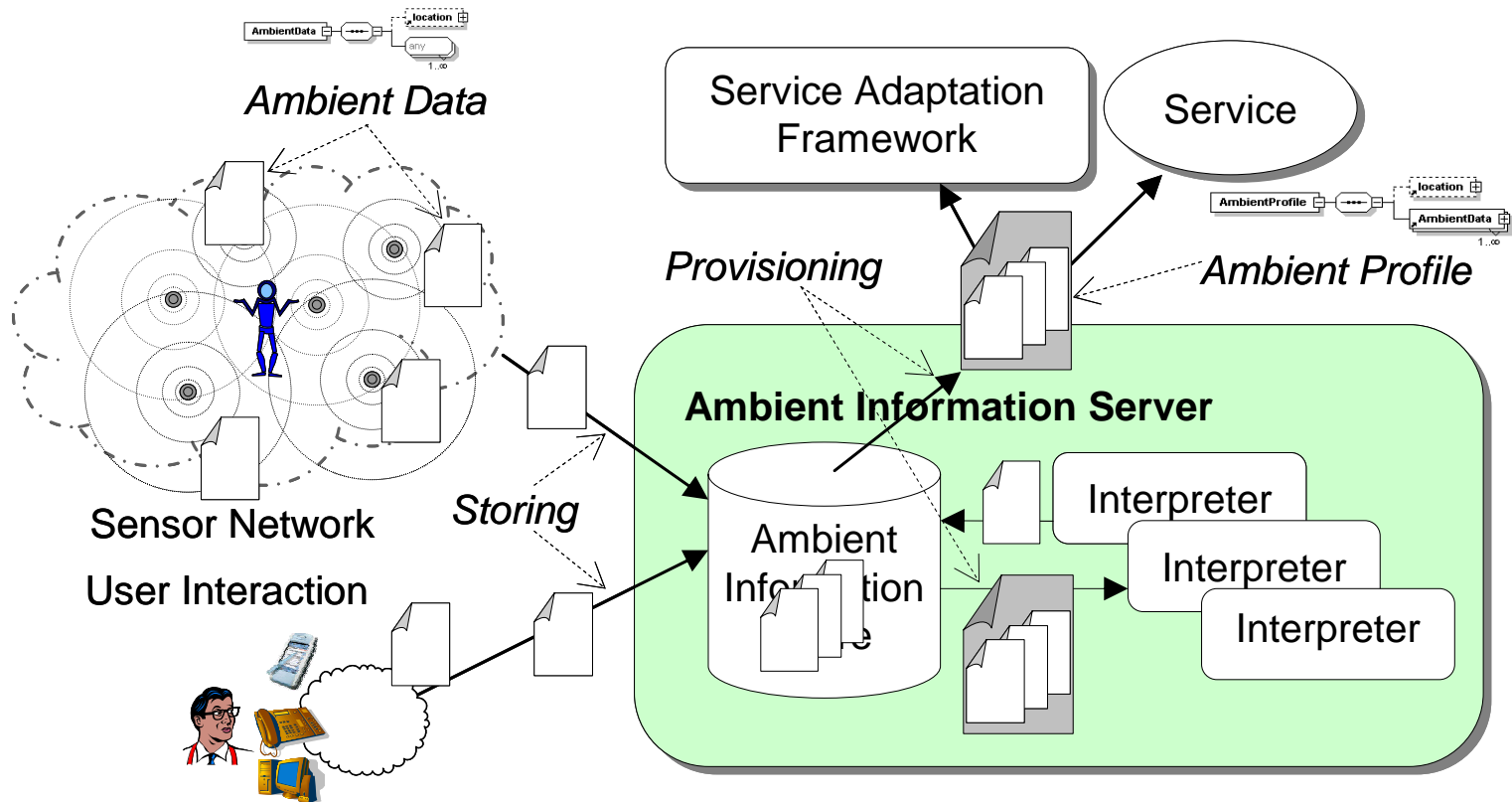
- Resource Description Framework (RDF) provides data model specifications and XML-based serialization syntax
- Web Ontology Language (OWL) enables the definition of domain ontologies and sharing of domain vocabularies

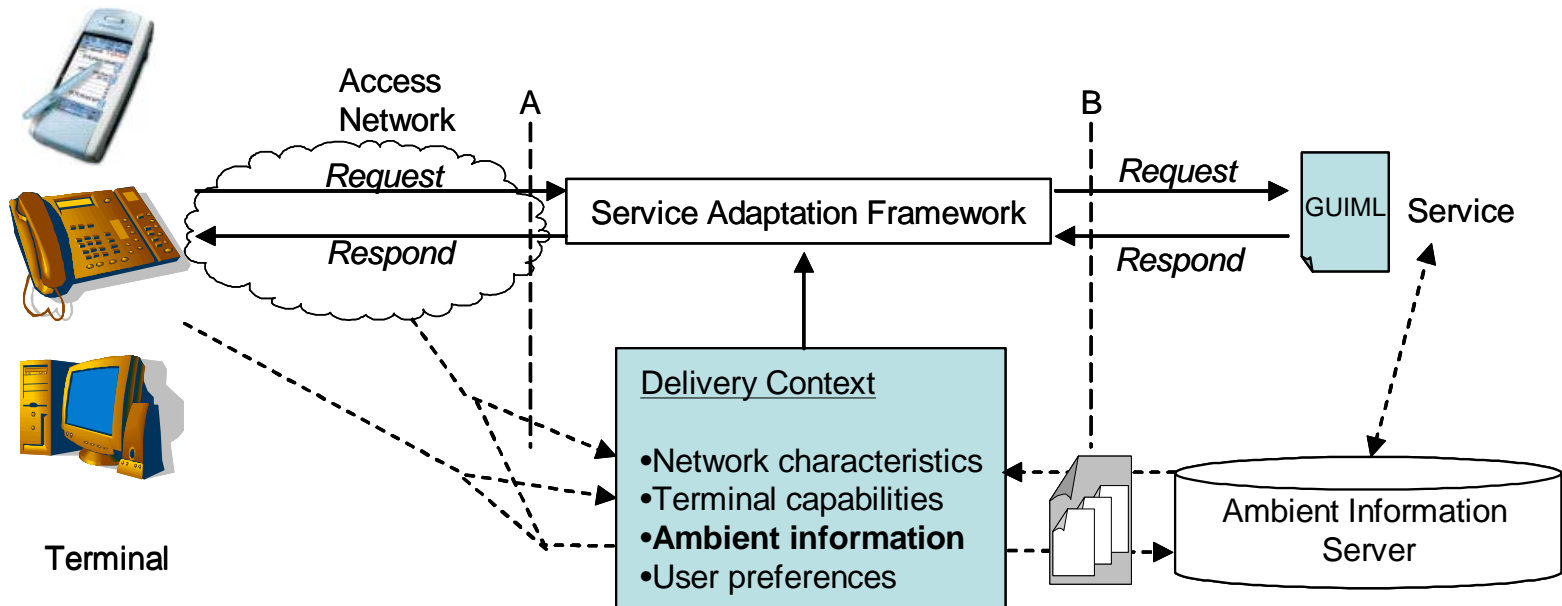


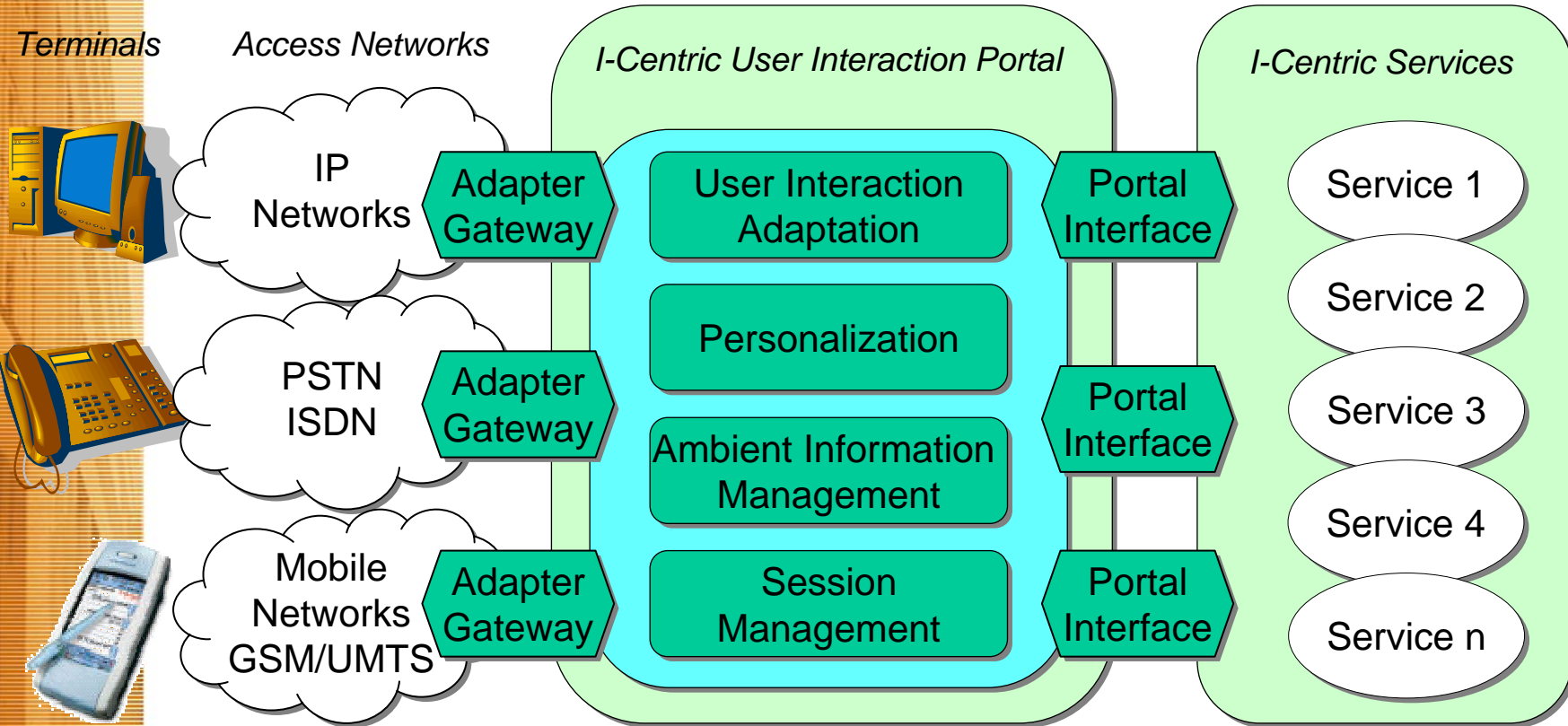


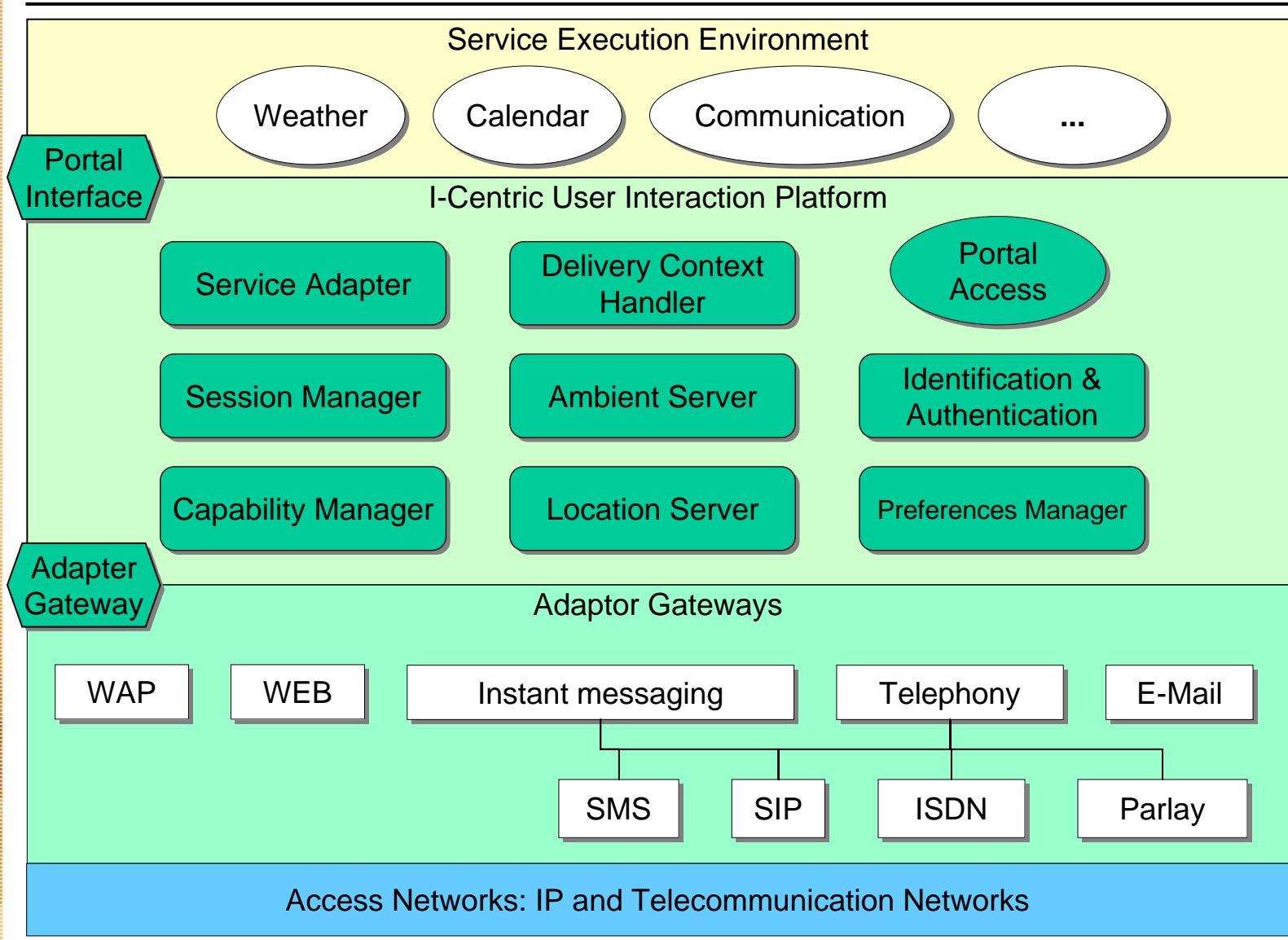
- Ambient functions:
 - Store
 - Retrieve
 - Poll
 - Subscribe

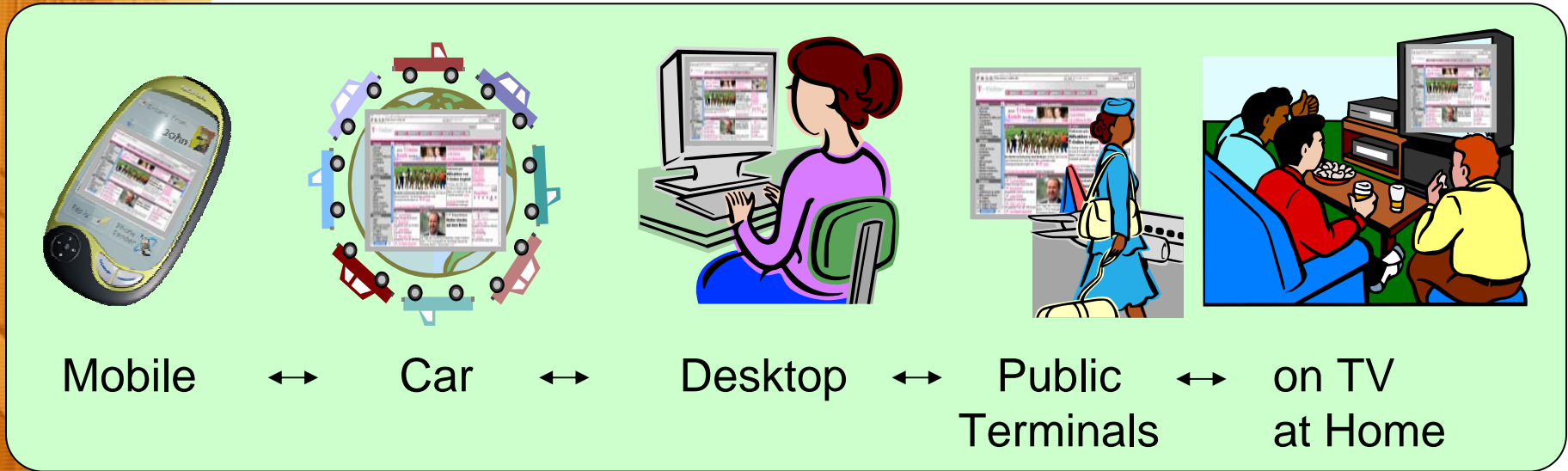




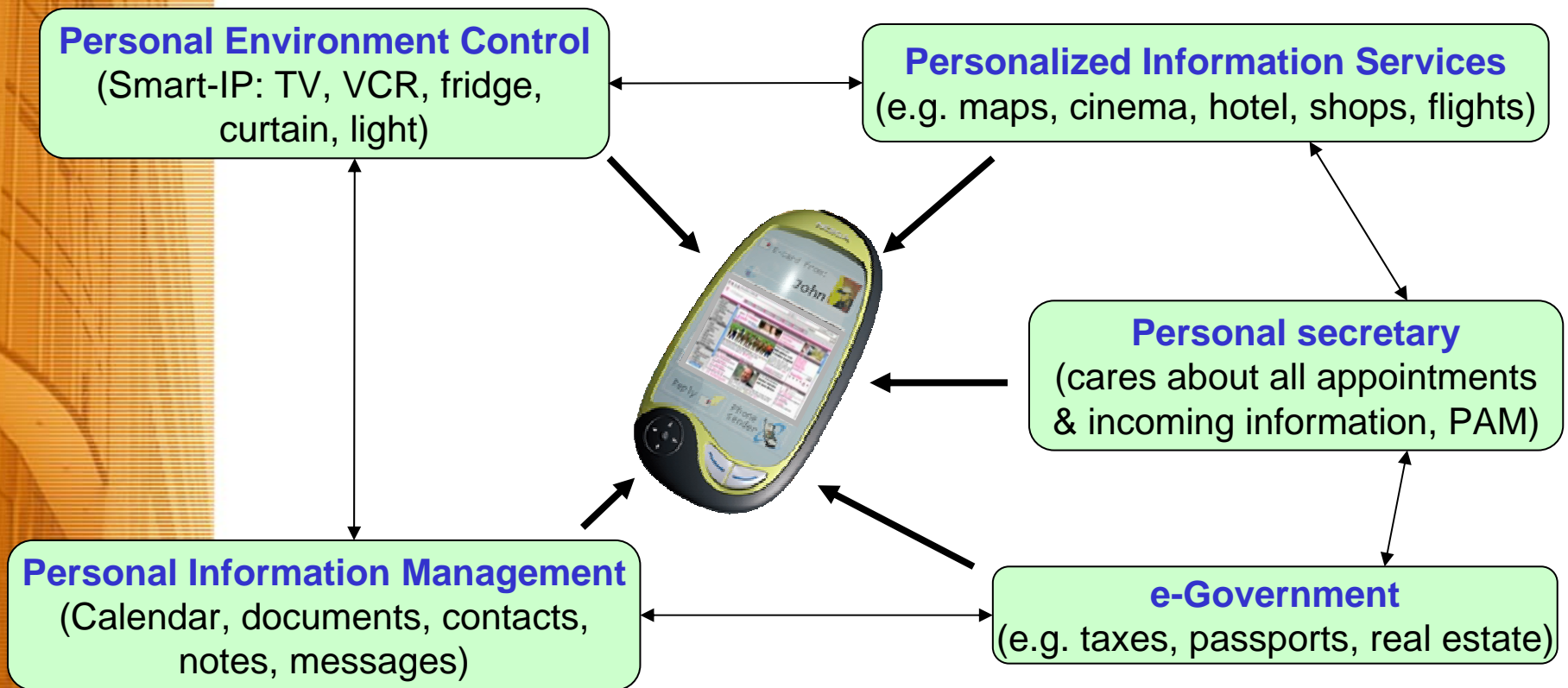








- Long living service sessions → user aware portal keeps access state
- Seamless comm. (multimodal) → various devices – various services
- Home access & control (e.g.: mobile home access via DSL)
 - Set-top Boxes, HAVI, Smart-IP



- Ubiquitous access & delivery of information → **one device – various services**
- Integrated solution (one-stop-shopping) → **one portal**
- Context aware personalized usage of **integrated** services

FOKUS Portal VHE Portal Access - Microsoft Internet Explorer

Datei Bearbeiten Ansicht Favoriten Extras ?

Zurück Suchen Favoriten Medien

3Gb Services

News Weather Home Location

Login

Welcome Stephan Steglich!

[Video Demo](#)

NOKIA
VHE Portal Acce...
Welcome Stephan Steglich!
Options Back

NOKIA
VHE Portal Acce...
News
Weather
Options Back

FOKUS Portal dpa News - Microsoft Internet Explorer

3Gb Services

News Weather Home Location Login sts

Zurück Politik Vermischtes **Wirtschaft** Kultur Sport Vorwärts

dpa infocom
online news services

Dramatische Ernteeinbußen wegen Trockenheit

Hamburg (dpa) - Die andauernde Trockenheit lässt europaweit die Ernte verdorren und treibt die Agrarpreise in die Höhe. Besonders in Deutschland stehen nach Auskunft von Verbandsvertretern viele Landwirte vor dem Aus. Die Einbußen werden hier zu Lande in manchen Gebieten auf bis zu 80 Prozent geschätzt. Besonders betroffen sind die ostdeutschen Bundesländer und Bayern sowie Italien und Frankreich. Das ergaben dpa-Umfragen.

Die deutschen Landwirte fordern angesichts der dramatischen Ernteeinbußen finanzielle Notprogramme. Der Präsident des Deutschen Bauernverbandes, Gerd Sonnleitner, sprach von einer «Jahrhunderttrockenheit». Sonnleitner und Bundesagrarministerin Renate Künast (Grüne) wollten am Montagabend bei einem Krisentreffen mögliche Finanzhilfen erörtern. Allein in Sachsen stehen 1000 bäuerliche Betriebe vor dem Aus.

Experten in Italien warnen vor Ernteschäden in Milliardenhöhe, falls die Dürre noch mehrere Wochen anhalte. Vor allem die Preise für Äpfel, Birnen und Zitrusfrüchte sowie für Olivenöl, Wein und Milchprodukte könnten um bis zu 25 Prozent steigen, teilte der Landwirtschaftsverband mit. Vielerorts werde auch die Milch knapp.

In Frankreich werden bis zu 30 Prozent Ernteeinbußen bei Getreide und bis zu 50 Prozent beim Mais befürchtet. Besonders zu schaffen macht den Viehzüchtern auch in Deutschland der Futtermangel durch verdorrtes Gras. Gestiegen sind besonders die Obstpreise.

3GbeyondPortal@iptel.org - Unterhalten

An: 3GbeyondPortal@iptel.org

1 3GbeyondPortal@iptel.org antwortet evtl. nicht, da er oder sie nicht angemeldet ist.

3GbeyondPortal@iptel.org sagt
[Offline message - Mon Jul 21 16:51:09 2003] Grüne teilen «Missvergnügen» des Kanzlers über Diesel-De

3GbeyondPortal@iptel.org sagt
[Offline message - Mon Jul 21 16:51:08 2003] Radikale Palastinsener drohen mit neuer Gewalt

3GbeyondPortal@iptel.org sagt
[Offline message - Sat Jul 19 09:20:41 2003] CSU-Chef Stoiber stellt sich zur Wiederwahl

Senden

Die letzte Nachricht wurde am 21.07.2003 um 17:16 empfangen.

FOKUS Portal Weather Service - Microsoft Internet Explorer

Datei Bearbeiten Ansicht Favoriten Extras ?

Zurück Suchen Favoriten Medien

3Gb Services

News Weather Home Location

Login sts

The current Weather Info for Zip Code 10587 is:

Location: Shenorock, NY.
Temperature: 22°C.
Feels Like: 22°C.
Forecast: Cloudy.
Visibility: 6.0 miles.
Pressure: 29,93 inches and falling.
Dew Point: 21°C.
UV Index: 2 Minimal.
Humidity: 91%.
Wind: Variable at 5 mph.
Reported At: Danbury, CT.

Last Updated: Monday, July 21, 2003, at 11:53 AM Eastern Daylight Time.

Zip Code:



- 1 Restaurante: China-Imbiß Chekiang, KAISERIN-AUGUSTA-ALLEE, 41 - 10589 Charlottenburg Tel: 49-030-3441004.
- 2 Restaurante: Hexenküche Gaststätten CoKG, ILSENBURGER STRAÙE, 13 - 10589 Charlottenburg Tel: 49-030-34651730.
- 3 Restaurante: Zum Isenburger, KAISERIN-AUGUSTA-ALLEE, 42 - 10589 Charlottenburg Tel: 49-030-34902315.
- 4 Restaurante: Huttenklause, HUTTENSTRASSE, 23 - 10553 Tiergarten Tel: 49-030-3452166.
- 5 Restaurante: König-Pilsener-Stübchen, KAISERIN-AUGUSTA-ALLEE, 43 - 10589 Charlottenburg Tel: 49-030-3445937.
- 6 Restaurante: Zum neuen Ufer, SICKINGENSTRASSE, 53 - 10553 Tiergarten Tel: 49-030-3452448.
- 7 Restaurante: Pizzeria Lucania, QUEDLINBURGER STRASSE, 45 - 10589 Charlottenburg Tel: 49-030-3456824.
- 8 Restaurante: Ambrosius, SÖMMERINGSTRASSE, 35 - 10589 Charlottenburg Tel: 49-030-34503645.

FOKUS Portal SDO over VHE - Microsoft Internet Explorer

Datei Bearbeiten Ansicht Favoriten Extras ?

Zurück Suchen Favoriten Medien

3Gb Services

[News](#) [Weather](#) [Home](#) [Location](#) Login

[Room 4007 \(Add to Favorites\)](#)

NOKIA

SDO over VHE

[Room Home](#)

Options Back

1 aa 2 abc 3 def

- Thank you, any question?