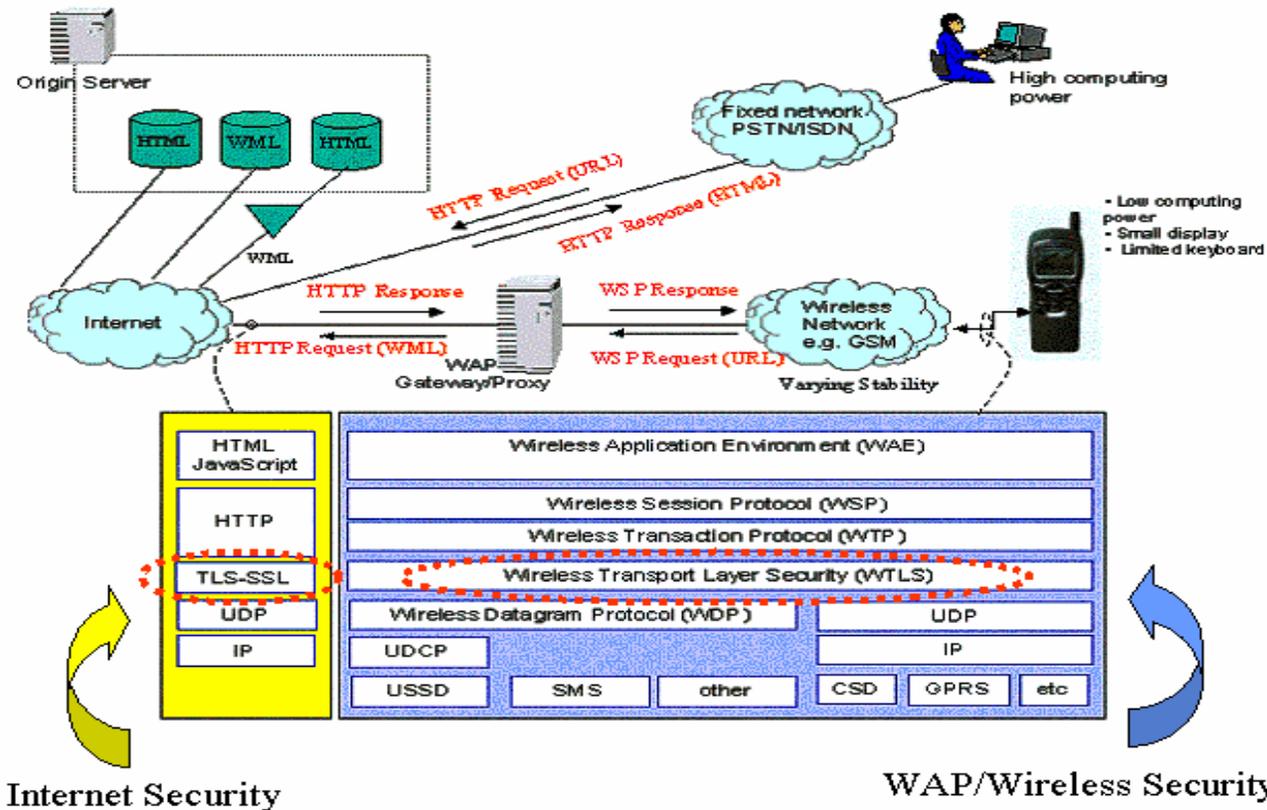


The Overall Architecture of the ISLANDS System: towards a modular non-conventional Telepsychiatry System

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Dr. Evangelos Bekiaris, Dr. Maria
Fernanda Cabrera, Dr. Alex Bullinger*

Initial Approach for the ISLANDS system architecture

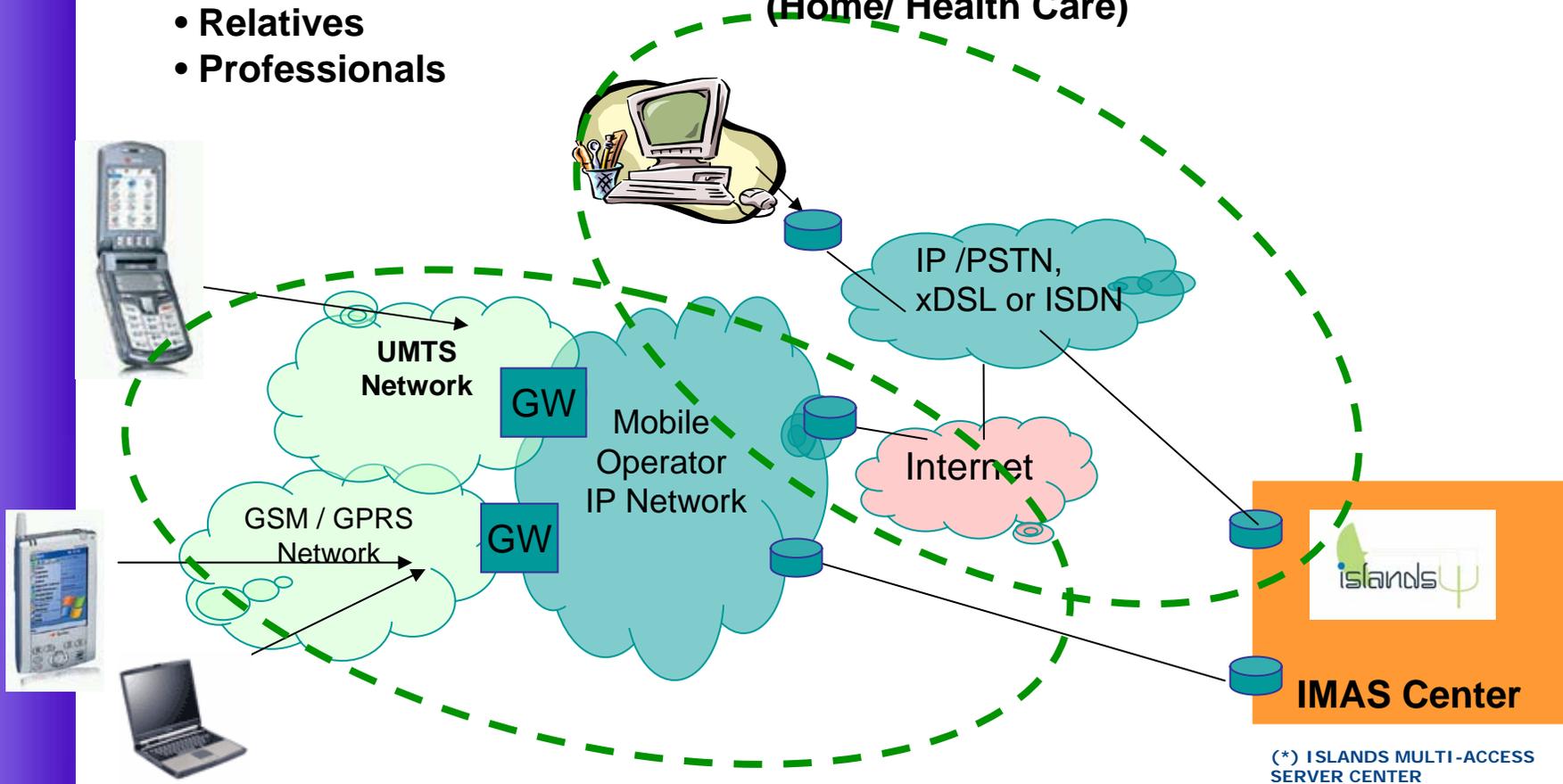


ISLANDS System Architecture

Users:

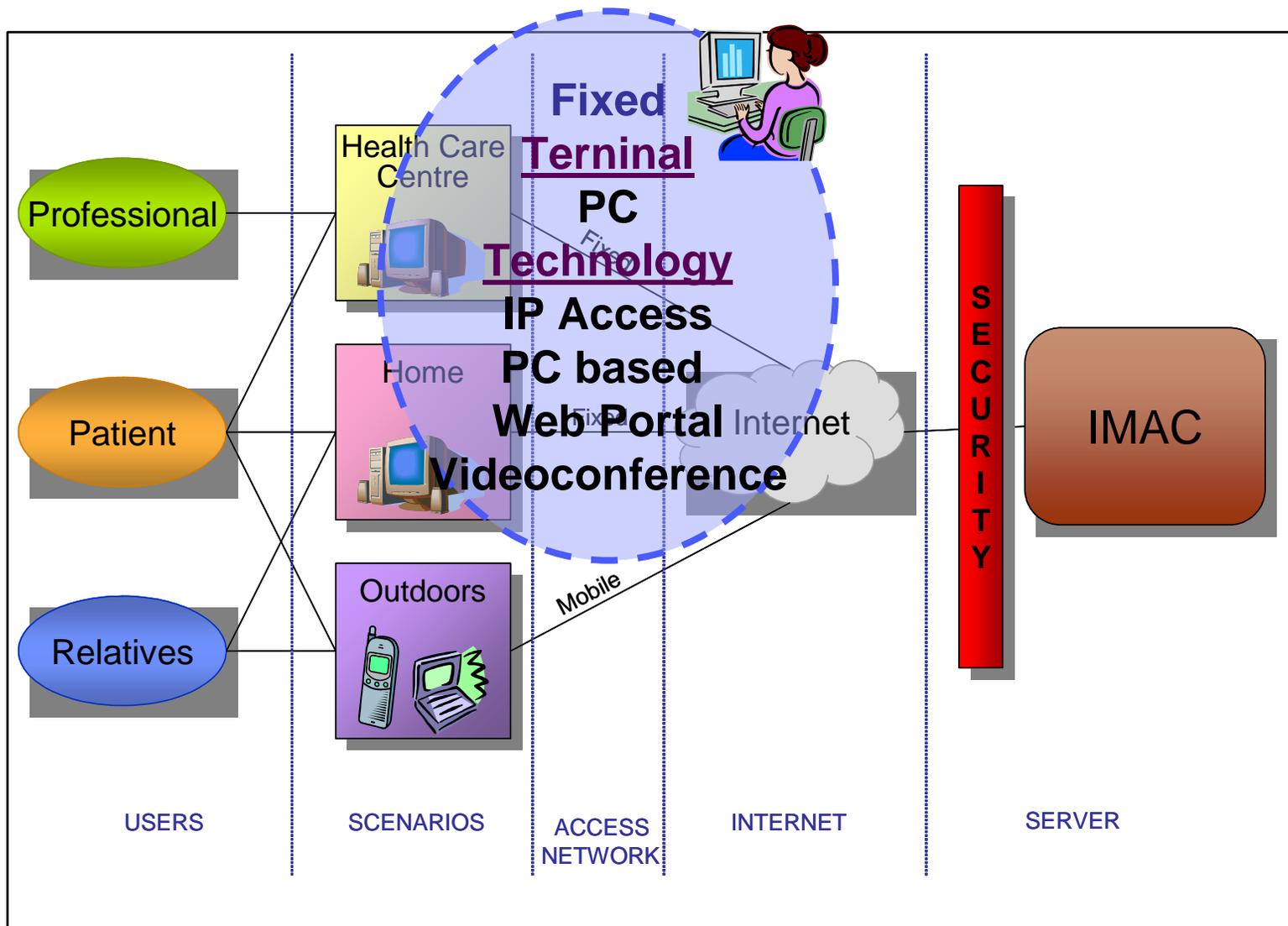
- Patients
- Relatives
- Professionals

Fixed Scenario
(Home/ Health Care)

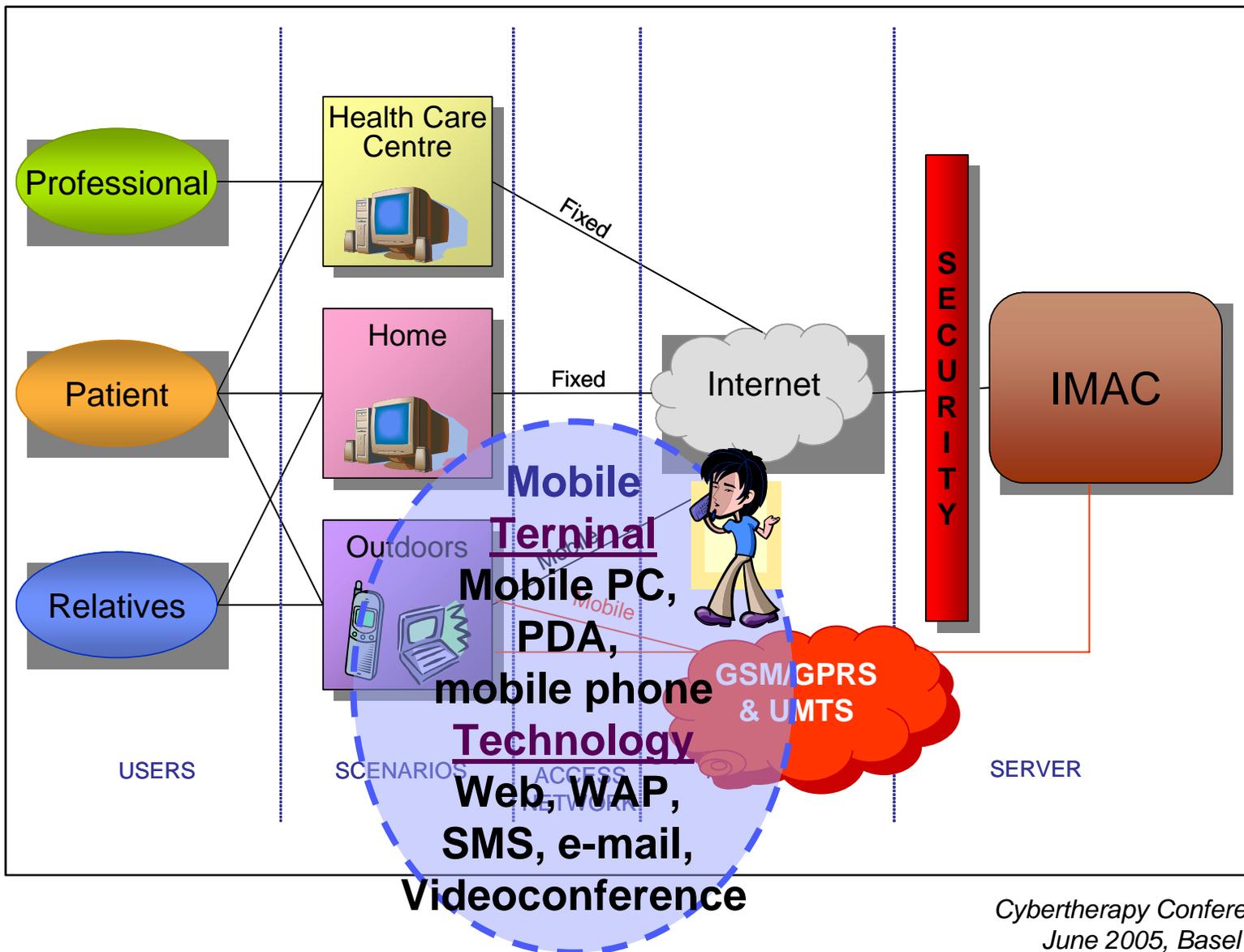


Outdoors Scenario
(on move)

ICCS Islands System Architecture: Fixed



Islands System Architecture: On move

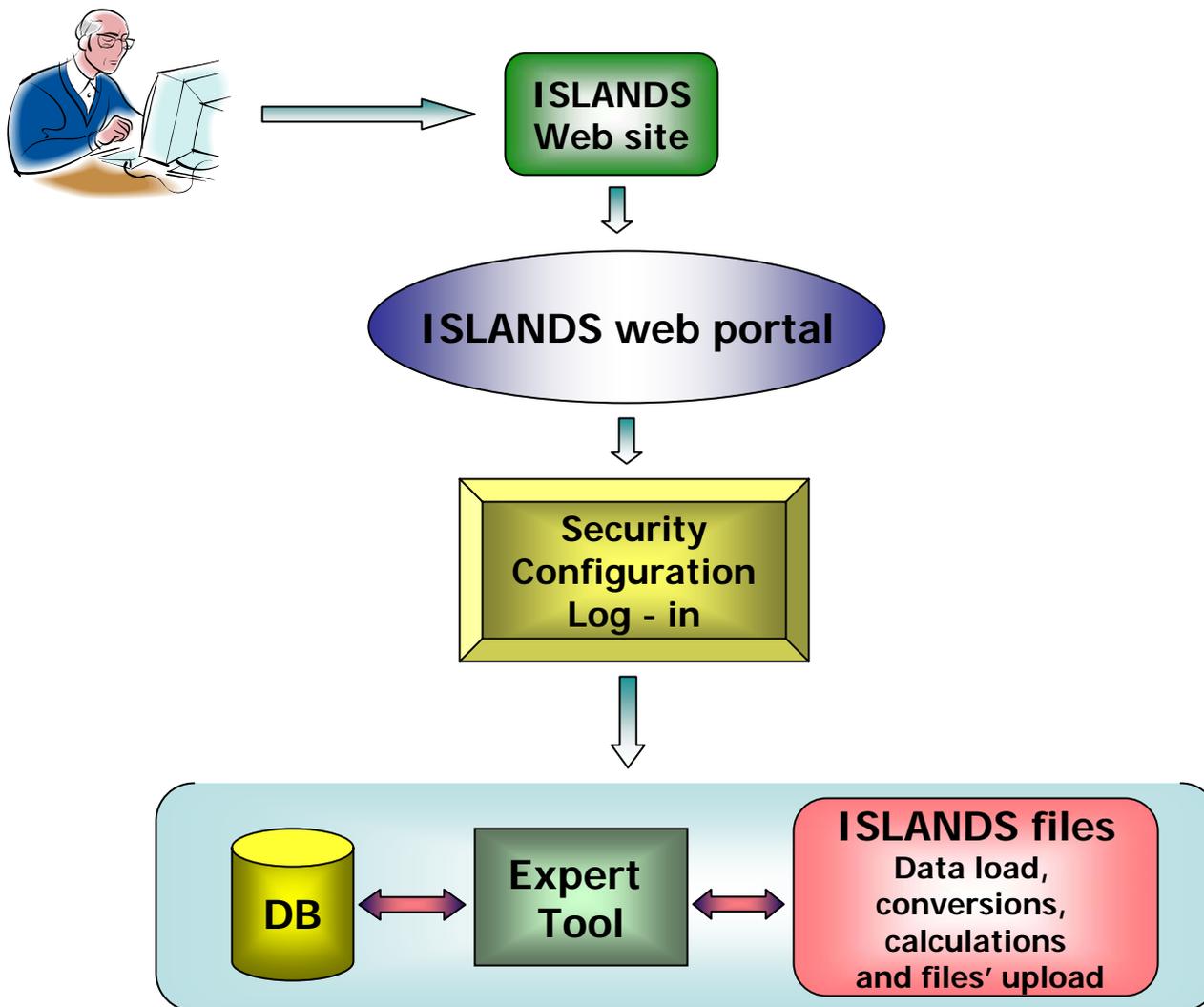


Software Architecture

The web tools that are developed include:

- The ISLANDS web portal with publicly accessible areas for service delivery request, service statistics for information delivery, live chats between various service users, etc. and also privacy protected areas, where the interactive service will be delivered (including personal and medical data transfer), where only authorised medical personnel of particular project will have access.
- The ISLANDS Database with a user-friendly and modular interface and a multi-criteria search engine, to be useful to the whole range of potential users.
- Presentation, network and adaptation module for adjusting the features of the available device.

ISLANDS Web portal

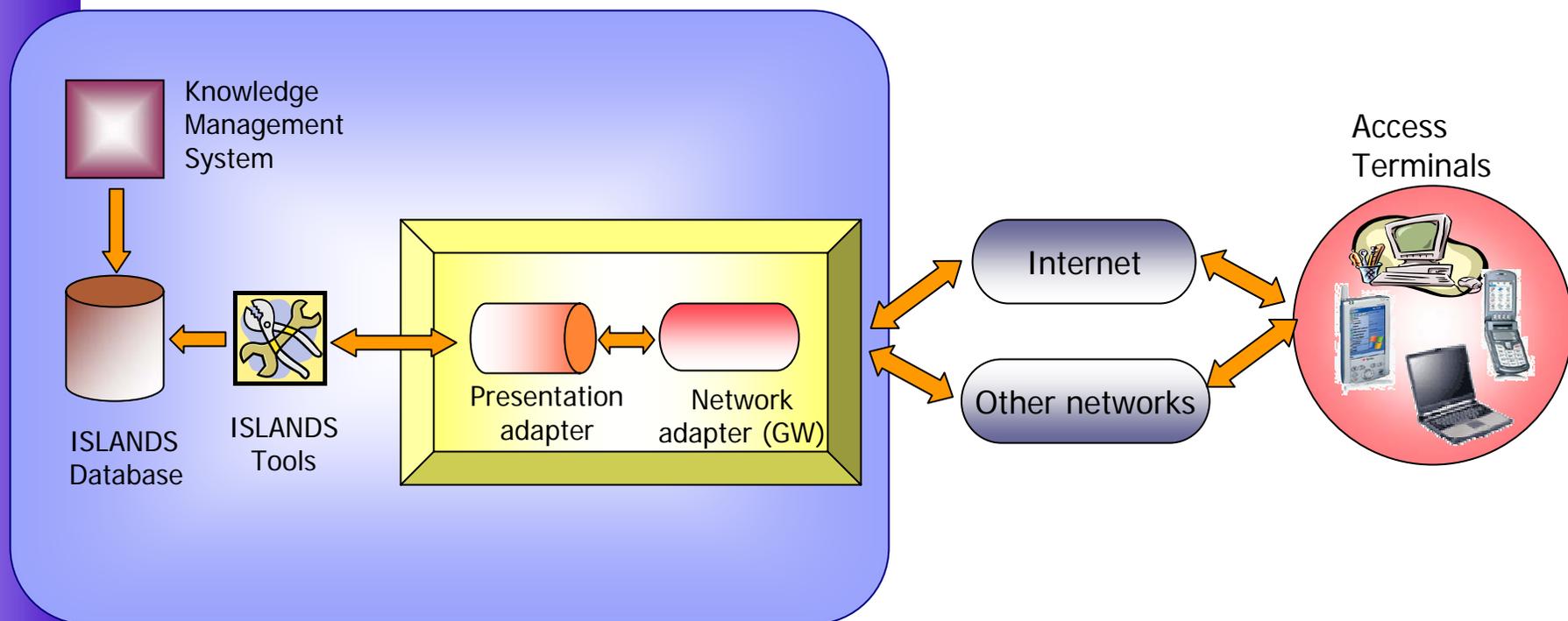


ISLANDS Database

ICCS

The screenshot shows a Microsoft Internet Explorer browser window titled "Untitled Document - Microsoft Internet Explorer". The address bar displays "http://localhost/islands/search.asp". The page content includes the ISLANDS logo, a navigation menu with "Tools", "Treatments", "Centres of Excellence", "Case studies", and "Search". Below the menu, the text "Specify a parameter to search for:" is followed by several dropdown menus: "Disorder: alcohol abuse", "Tool acronym: AUDIT", "User group: patient", "Method of service provision: Physical presence", "Service: scanning-diagnosis", and "Country: Switzerland". At the bottom, there are four buttons: "Search for Tools", "Search for Treatments", "Search for Centres", and "Search for Use cases". The status bar at the bottom right indicates "Local intranet".

Presentation and adaptation module – Functionality of the IMAC



Conclusions

- The establishment of psychiatry sessions through the use of electronic means raises many questions regarding its feasibility and faces many problems that have mainly to do with the users' needs and acceptance and several technological constraints and barriers.
- Future work involves the evaluation and verification of the communication and technological platform that was developed within the ISLANDS project