

FollowMe Update

ANSA MC/TC

Billy Gibson

10 June 1997



2014 FollowMe MC/TC 1 © 1997 APM Ltd

Project Summary

- Support for mobile and homeless users
- Global access to information & facilities
- Mobile agent based approach to searching and filtering
- Device independent access



2014 FollowMe MC/TC 2 © 1997 APM Ltd

ESPRIT Status

- Project budget
 - Total cost 2.8 MECU (Approx)
 - Maximum ESPRIT contribution: 1.59 MECU
- More even distribution of resources requested
- Demonstration within six months of project start
- Duration of between 15 ->18 months
- Project programme will be submitted in June
- Proposed start in September



2014 FollowMe MC/TC 3 © 1997 APM Ltd

Provisional Effort & Budgets

Organisation	Months	Cost (KECU)
APM	70	770
FAST	66	726
INRIA	63	693
UWE	59	320
IZB	10	110
TC	13	143



2014 FollowMe MC/TC 4 © 1997 APM Ltd

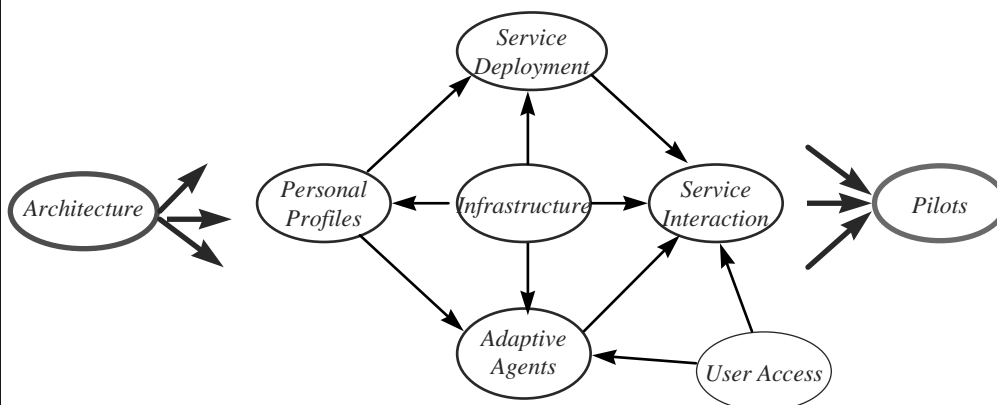
Pilot Applications

- Personalised Ovest France edition
 - Based on user preferences and location
- Bavarian Online Services
 - Portfolio management
 - Real estate



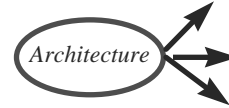
2014 FollowMe MC/TC 5 © 1997 APM Ltd

Work Packages: Major Dependencies



2014 FollowMe MC/TC 7 © 1997 APM Ltd

Architecture

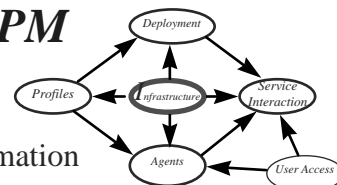


- Objectives
 - Fully understand the problem and interdependencies
- Approach
 - ODP Based
- Deliverables
 - Five models for the different view points



2014 FollowMe MC/TC 8 © 1997 APM Ltd

Infrastructure: APM



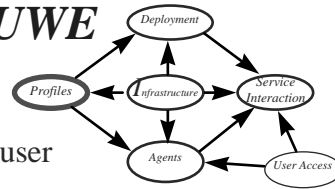
- Objectives
 - Transparent access to distributed information
 - Support mobile applications
- Approach
 - Object based infrastructure
 - Utilising standard O/S and available agent technology
- Deliverables
 - FollowMe agent work-bench
 - Supporting location transparent access to mobile objects
 - Providing basic resources and security features



2014 FollowMe MC/TC 9 © 1997 APM Ltd

Personal Profiles: UWE

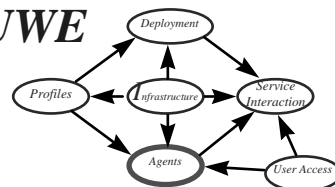
- Objectives
 - Provide facts and likely preferences of user
- Approach
 - Monitor usage patterns, location and information accessed
- Deliverables
 - Investigative mechanisms & parameters for maintaining profile
 - Profile encapsulated in infrastructure object
 - Interfaces for updating and querying preferences
 - Event generation to suggest actions that need performed



2014 FollowMe MC/TC 10 © 1997 APM Ltd

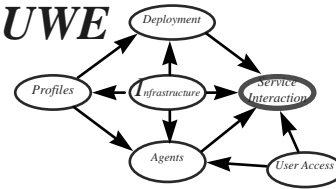
Adaptive Agents: UWE

- Objectives
 - Take users' goals and achieve them
- Approach
 - Restrict domain
 - Mechanisms to describe and match task agents
 - Combine and possibly refine tasks
- Deliverables
 - Suite of adaptive application task agents
 - Trading facilities to locate and select tasks
 - Investigative mechanisms to mix and match



2014 FollowMe MC/TC 11 © 1997 APM Ltd

Service Interaction: UWE

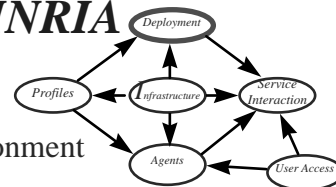


- Objectives
 - Program based location and Interrogation of services
- Approach
 - Registries of vendors and offerings
 - IDL for basic service connectivity
 - Knowledge or aggregation based techniques for content
- Deliverables
 - Trading facilities to describe & locate services
 - Investigative mechanisms for service interaction



2014 FollowMe MC/TC 12 © 1997 APM Ltd

Service Deployment: INRIA



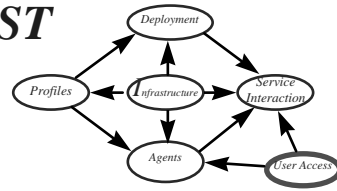
- Objectives
 - Delivery of services in a dynamic environment
- Approach
 - Anticipate demand partly based on personal profiles
- Deliverables
 - Mechanisms for surveying profiles
 - Investigative work on deriving group trends
 - Facilities to manage & deploy “points of presence”
 - Load balancing techniques



2014 FollowMe MC/TC 13 © 1997 APM Ltd

User Access: FAST

- Objectives
 - Device independent access
- Approach
 - Addition of context information to data (mark-up language)
- Deliverables
 - Support web browsers, PDA, telephone/FAX



2014 FollowMe MC/TC 14 © 1997 APM Ltd

Initial Focus

- ESPRIT project management
- Initial ODP models
- Investigation of current mobile object software



2014 FollowMe MC/TC 15 © 1997 APM Ltd

Deliverables

- ANSA
 - ODP Models
 - Mobile agent work bench
 - Mobile object based data storage
 - Mobile user support
- ESPRIT
 - Device independent user interface
 - Modular personal preferences
 - Adaptive autonomous agents
 - Service interaction model
 - Service deployment mechanisms



2014 FollowMe MC/TC 16 © 1997 APM Ltd