

Project Number: IST-2001-33234
Project Acronym: PEPITO
Title: PEer-to-Peer Implementation and TheOry
Report on the basic distribution subsystem (report)
Subworkpackage WP 4.1
Due date: project month 12
Delivery Date: 2002-12-31
Responsible Partner: SICS
Participating Partners: SICS, UCL

Deliverable no:	D4.2
Title:	The Basic Distribution Subsystem
Workpackage no:	WP4
Due date:	12
Delivery date:	12

Short Description

The deliverable reports the project's results on the basic services task in WP4. The report describes the goals and motivation of our approach to building a language-independent middleware component (DSS) that will provide programming languages/systems with all the relevant distribution services, both peer-to-peer services and classical ones.

The report also contains the relation of this task to other tasks in PEPITO, and, in particular, to other workpackages. The report also puts the work done in the first year in the context of the workpackage 4 during the entire project.

The report provides a survey of current state-of-the-art of middleware, including JXTA, CORBA, JavaRMI.

The results of the project in this deliverable together with the prototype implementation are twofold. First, as is, they represent a novel language-oriented but language-independent approach to building middleware. Secondly, the middleware has an architecture that simplifies extendability, i.e. adding new distribution services. In particular, a number of provisions have been made for adding peer-to-peer services, based on the framework developed in WP2, during the coming year.

Partner owning:	SICS
Partner contributing:	SICS, UCL
Available to:	Public