



PReservation **O**rganizations using **T**ools in **A**gent **E**nvironments

Hugo Quisbert
Luleå University of Technology – Sweden
2007/12/17



The Consortium

- **National Archives of Sweden**
- **Luleå University of Technology (Sweden)**
- **National Archives of Estonia**
- **Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.V. (Germany)**
- **University of Bradford (U. K.)**
- **EASY Innova S.L. (Spain)**
- **Giunti Labs S.r.l. (Italy)**



The main idea

- The aim of the project is to investigate and initiate complementary new approaches to digital preservation.
- The PROTAGE Approach is to link digital objects to long-term digital preservation processes by using agent-based software technology.

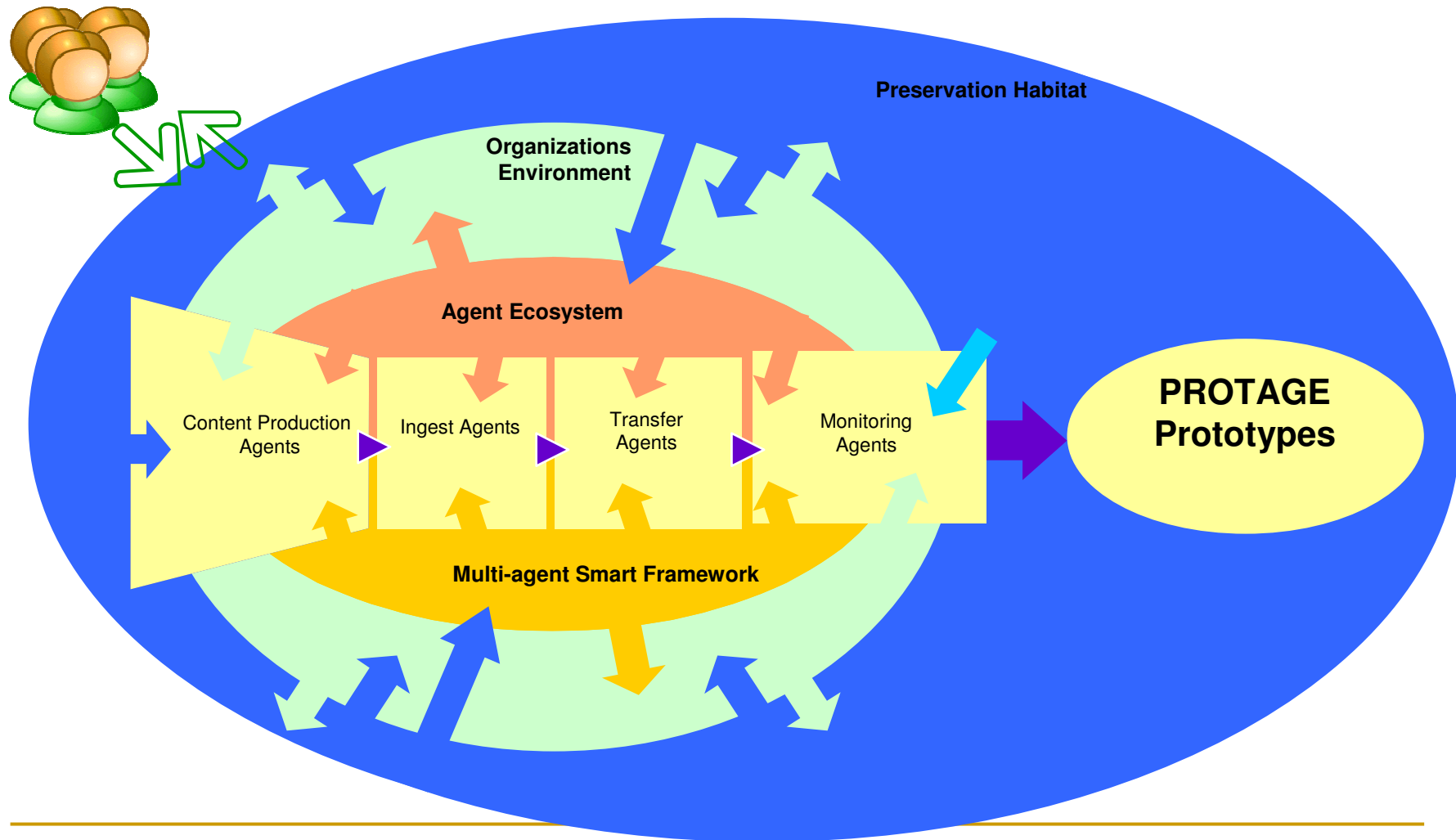


The objectives

- research about the potential of software agent ecosystems to support the automation of digital preservation tasks;
- demonstration of the technical feasibility of such a system by means of the PROTAGE prototype;
- analyse how this system can be implemented in various organisational environments;
- explore the possible integration of PROTAGE solutions with other or existing digital preservation environments;
- explore synergies with other RTD activities dealing with digital preservation.



The agents I



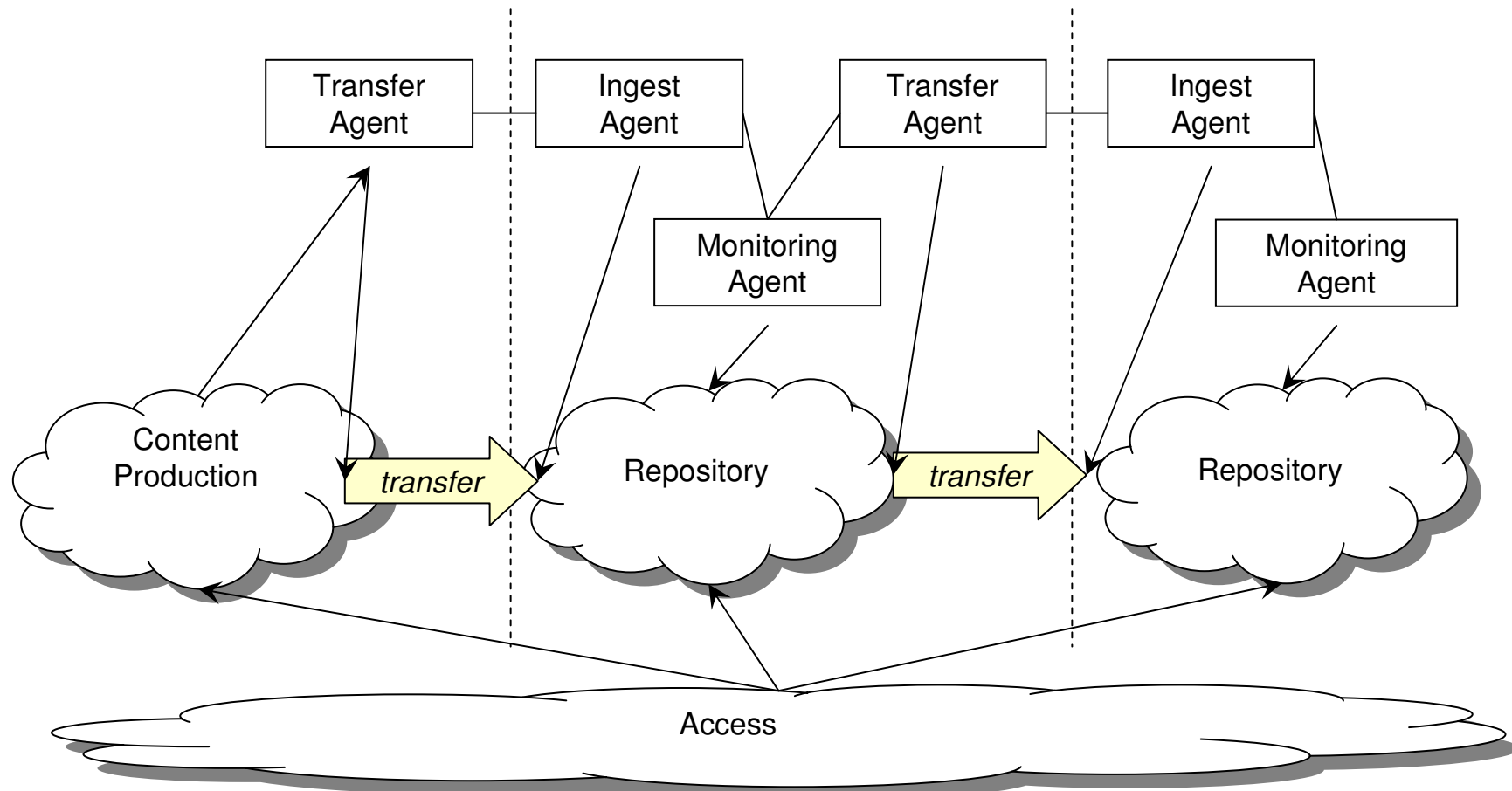


The agents II

Content Provider

Library / Web Site

Long-term Archive





The results

- allow content producers to create and publish in a preservation-compatible manner,
- provide digital repositories with means of further automating the preservation processes,
- facilitate seamless interoperation between content providers, libraries and archives, and end-users throughout Europe.