Eclipse Trust Framework (ETF) Creation Review

SocialPhysics

April 6, 2005

What is ETF?

An abstraction layer for identity and social networking services

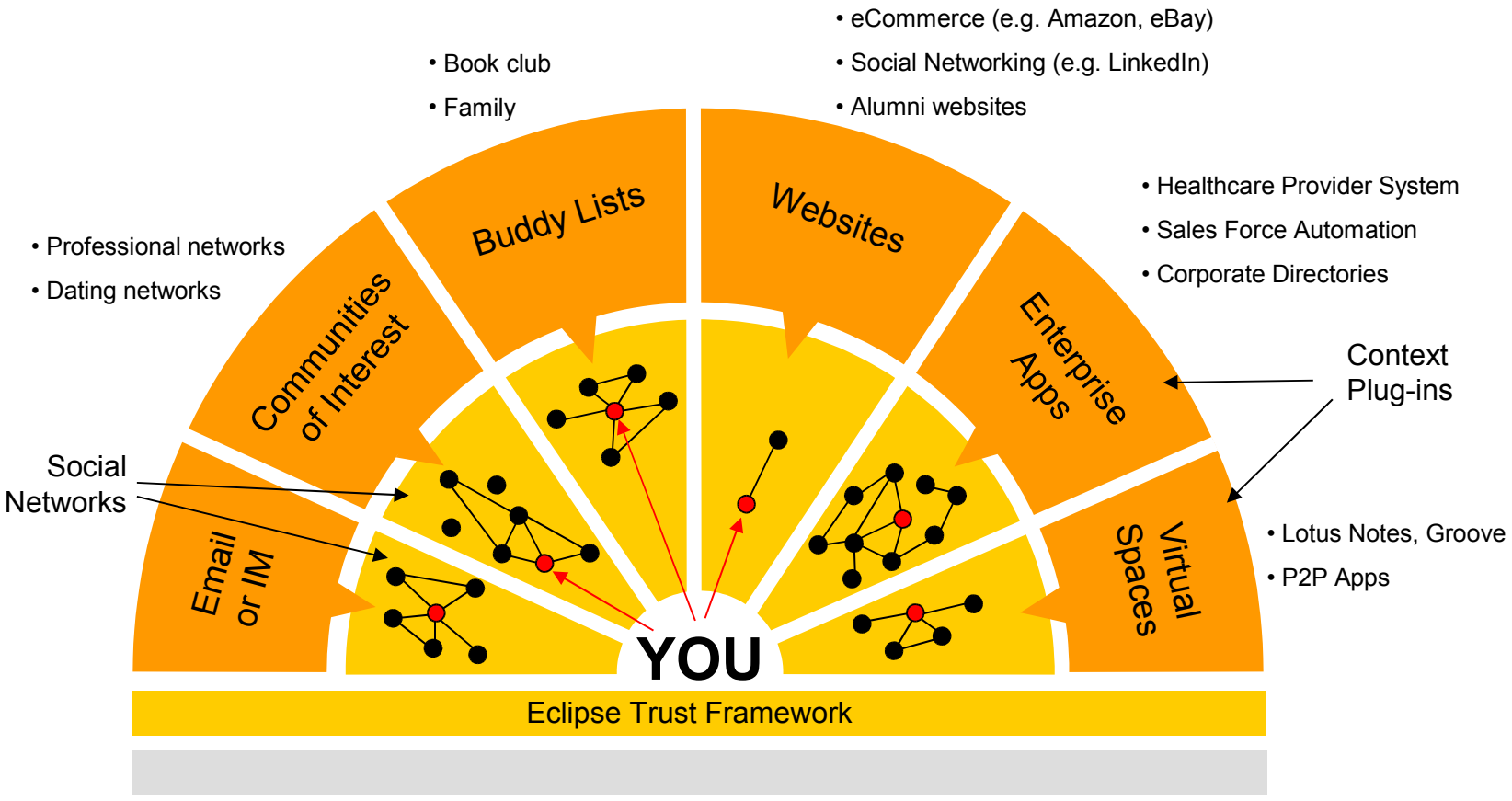
- Presents a common unifying interface to communications systems, directories, social networks, personal information managers, identity systems
- Leverages plug-ins to:
  - Adapt existing services to this interface or
  - Offer new services that conform to this interface
- Provides a mechanism for implementing application- and user-specific policies for sharing personal information
- Offers security and privacy

See http://www.eclipse.org/proposals/etf/index.html

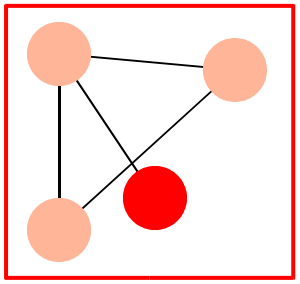
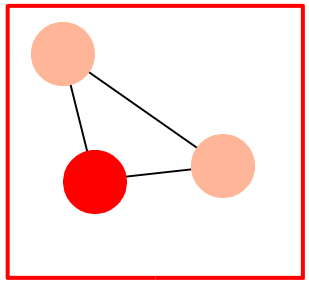
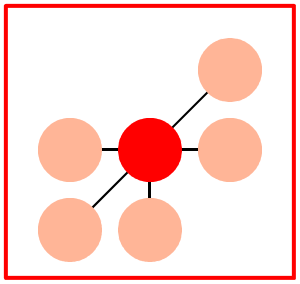
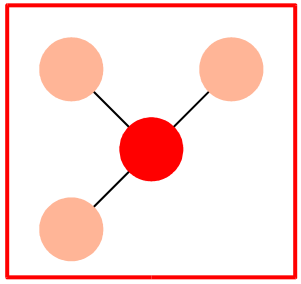
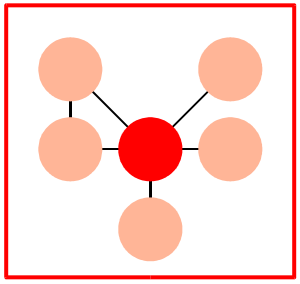
Project Goals

1. Create a framework/API
2. Create a set of exemplary context “provider” (plug-ins)
3. Create an exemplary demo app

Multiple Contexts

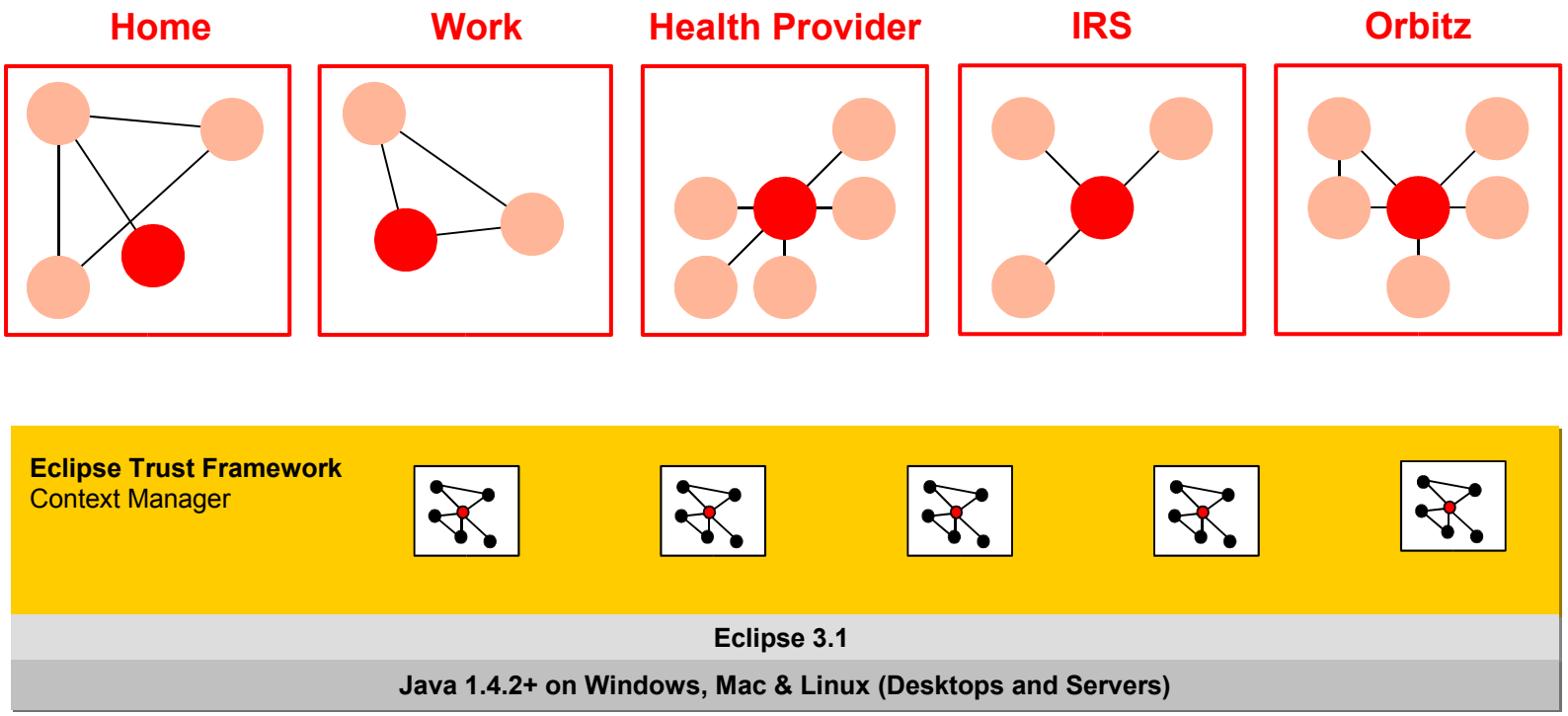


Different attributes for every context

Home	Work	Health Provider	IRS	Orbitz
				
25 Craftsland Rd, Chestnut Hill, MA (617) 879 9971 ptrevithick@alum.mit.edu	28 State Street, Boston, MA 02118 (617) 266 2555 paul@parityinc.net ...	HMO, GroupID, # Dr. James Levine 180lbs, Type O- …	SSN 033 56 1186 Audit history, Interest paid: $9,234.033, start: 1982, avg gross: $48,674.21 …	PTrev pw=batman8 Window seating, vegetarian, non-smoking, economy Marriot rewards, …

This **enables** what you do want: *the right people to find you, have what's appropriate be visible, etc.*

Enables and prevents sharing, searching, exposure



What components are in it?

- IContext interface is the center of gravity
- Context plug-ins currently under development leverage:
  - Eclipse EMF and SDO
  - Eclipse ECF
  - IBM China's EODM RDF
- Future plug-ins may use:
  - FOAF
  - WS-Trust
  - XRI/XDI (OASIS)
  - OpenLDAP
  - ...lots more

Who is currently involved?

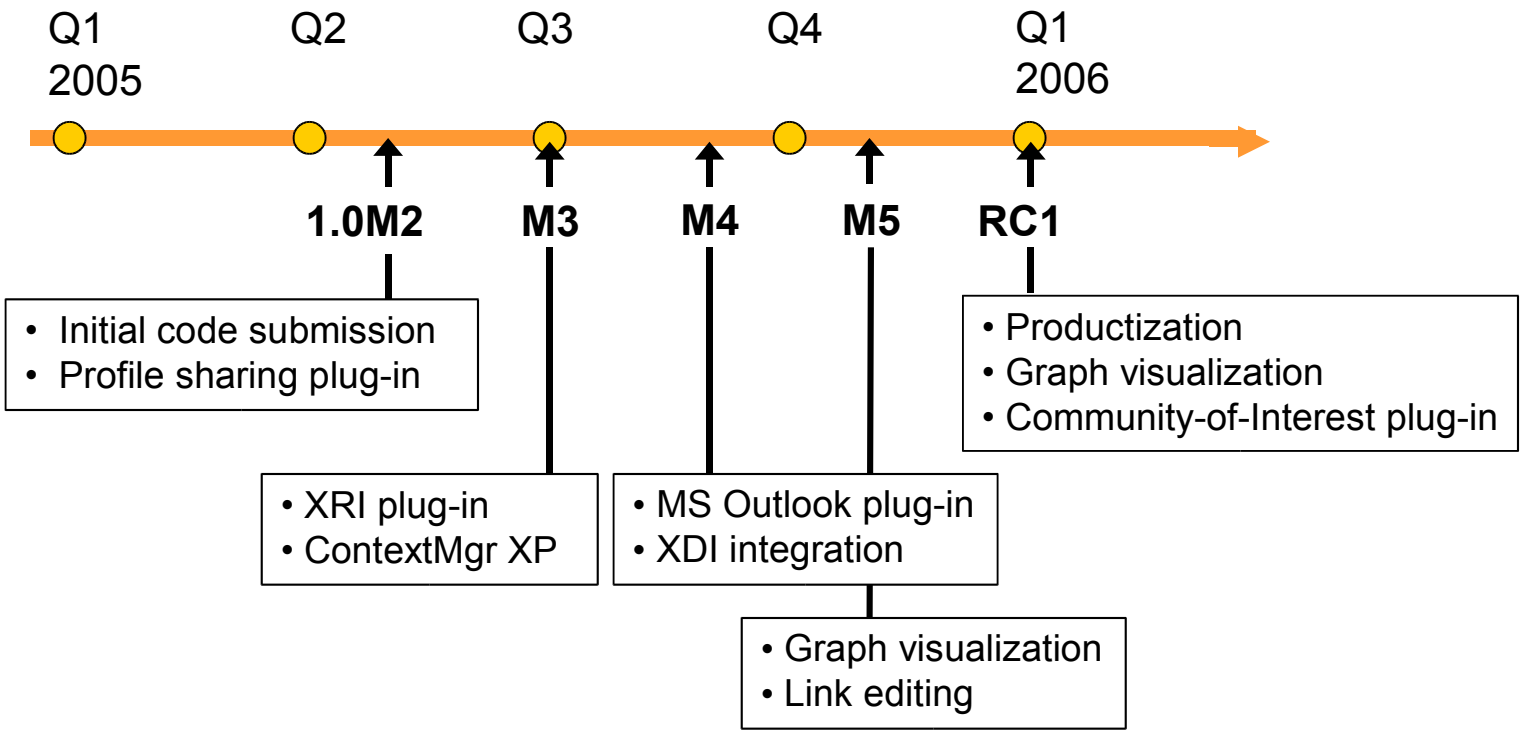
Committers

Paul Trevithick, Dmitry Bakuntsev, John Beatty, Andy Dale, Ken Gilmer, Scott Lewis ,Peter Nehrer, Mary Ruddy, Paul Weitz

Interested Parties

SocialPhysics.org	http://www.socialphysics.org
IBM	http://www.ibm.com/
Inpriva	http://www.inpriva.com/
ITG	http://www.intertechnogroup.com/
ooTao	http://www.ootao.com/
Berkman Center for Internet & Society at Harvard Law	http://cyber.law.harvard.edu/home/

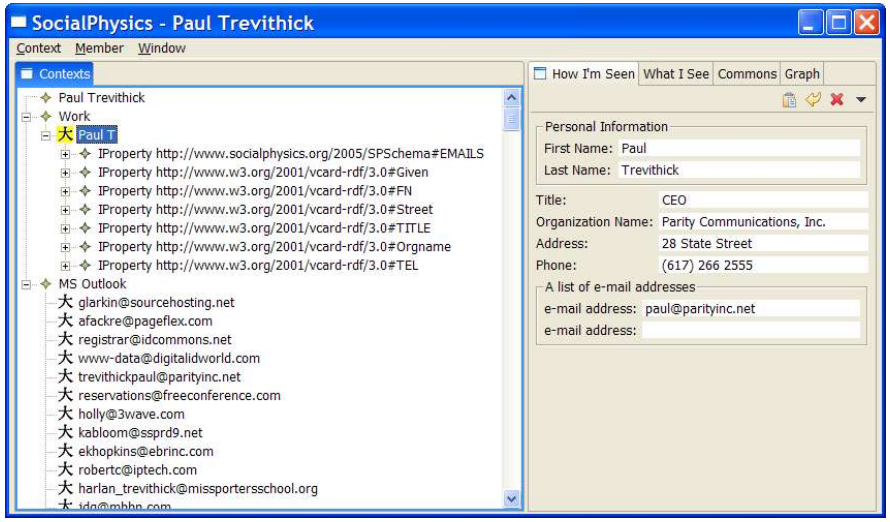
Project Road Map



Status

Now

- Framework/API
- Exemplary Plug-ins
- Exemplary app



Future

- Support for eRCP
- More context plug-ins
- “Social” Eclipse -- Eclipse IDE with social networking and reputation metric capabilities