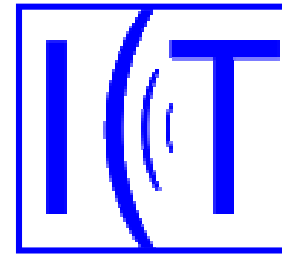




St. Petersburg
University of
Aerospace
Instrumentation



Academy of
Informational and
Communicational
Technologies

Academic Social Network

for Finnish-Russian University
Cooperation in Telecommunication

Anton Sergeev :: slaros@vu.spb.ru



FRUCT Program

- Starts new challenging research projects
- Creates multinational student teams
- Provides technical, scientific and financial support
 - It really works!
 - But: no formal feedback from the projects inside the program
 - Project team is oriented to the process (investigating new technology) or result (submitting paper) ...
 - ... and not management!
 - Creating diagrams/timelines and making checklists is so boring...
 - ... and additional software is required
 - Therefore intermediate results and team progress are not usually clear
 - Interesting projects could go wrong way or even die
- Rapid Growth
 - Hundreds of the participants in Russian Federation and Finland!
 - Coordination meetings: only 2 times / year
 - How to accumulate and share the knowledge?
 - wiki, google, linkedin, facebook, livejournals, special sites etc.



Academic Social Network

Academic Social Network is targeted on accumulation and storage of the experience and research results in the different areas of information technologies and science

- more efficient information sharing between FRUCT members
- provides the instrumentation for creating and managing the projects
- supports services for information storage and sharing
- includes all the tools for communication between the existing and potential team members, students, industrial and academic experts



Academic Social Network: Goal

Helps the participants in starting/managing cooperative RnD projects.
Oriented to the researchers, specialists, experts and students

- Technological or Scientific Projects
- Regular **expertise** from the community and industrial experts
- Regular feedback, **updates** and new results from the project teams
- Tools for information **sharing/publication**
 - personal/group/project pages, resources, wiki
- Tools for **communication**
 - messages, chats
- Tools for joint multisite project **development**
 - Bug Tracking, dashboards, on-line CVS etc.
- Tools for “easy” project **management**
 - Team calendars, events, check-lists, dashboards, timelines, charts



Academic Social Network: Reasoning

- AcSoNet vs Existing Public Social Networks
 - www.linkedin.com, www.vkontakte.ru, www.facebook.com
- IT-specific
- Orientation to the requirements of the FRUCT Academic Community
- Tools for information sharing/publication
- Tools for joint multisite project development
- Tools for “Easy” Project Management



Academic Social Network: Reasoning

- AcSoNet vs SourceForge
- Social graph functionality, relationships between users, objects and sites
- Tools for “Easy” Project Management

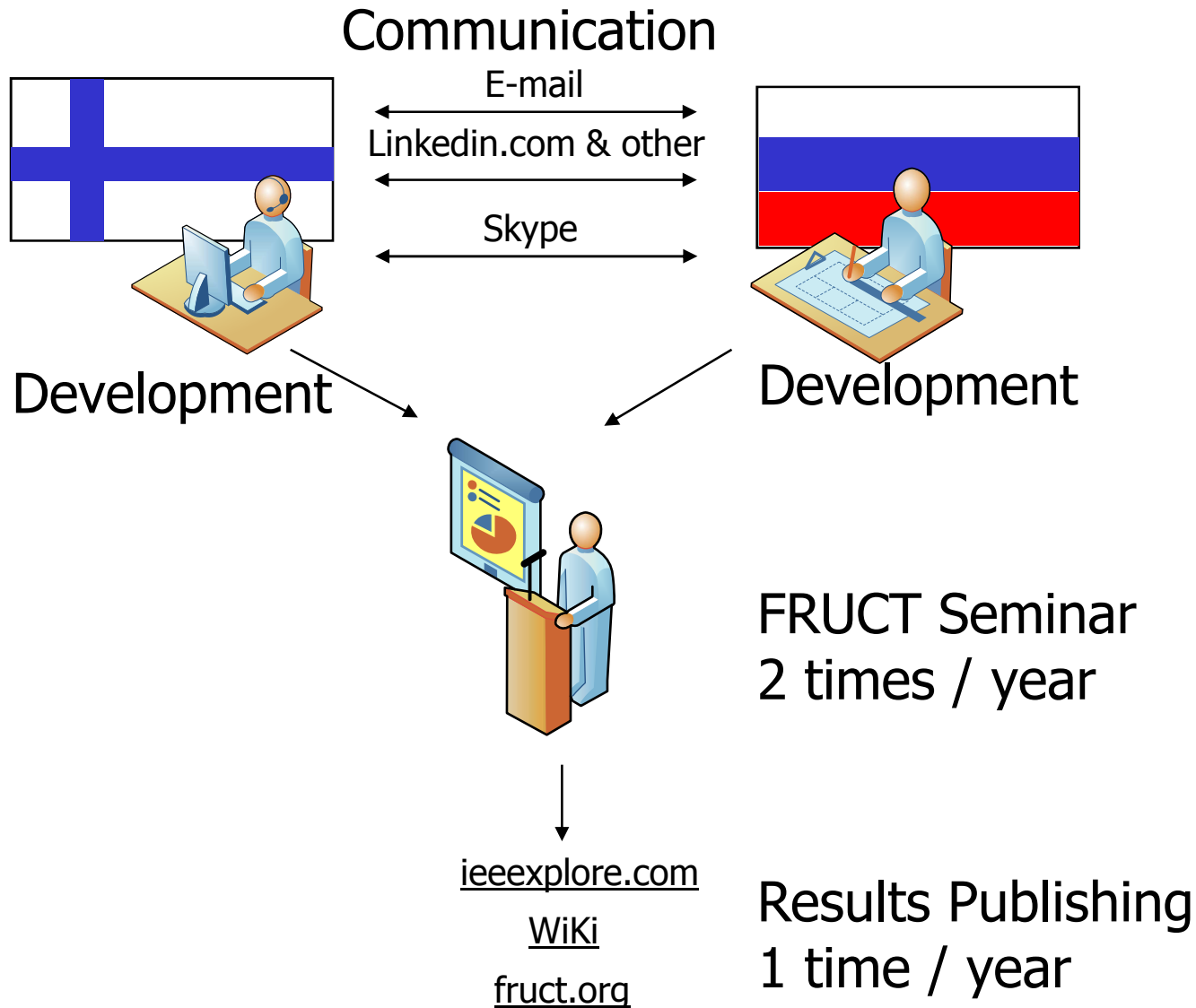


Key Features

- User, object, file and site management
- Social graph functionality
 - relationships between users and other users, objects and sites
- Tools for joint multisite project development
 - calendars, events, check-lists, dashboards, timelines, charts etc.
- System-wide, tag-based searching across all content and users
- Fine-grained access controls
- Multiple views, allowing for mobile applications and embeddable widgets as well as the traditional web browser view
- Event, plugin and widget APIs
- RSS, FOAF, XFN for content syndication
- OpenID, OpenSocial (coming soon)
- Open Data Definition and an increasing number of data portability formats for import / export
- An extensible RESTful API, with results in JSON, serialized PHP or XML
- AJAX through jQuery, Google Web Toolkit (GWT) and user-definable callbacks
- Caching systems such as memcached, for increased system performance
- Multiple database connections for scalability (still in development)

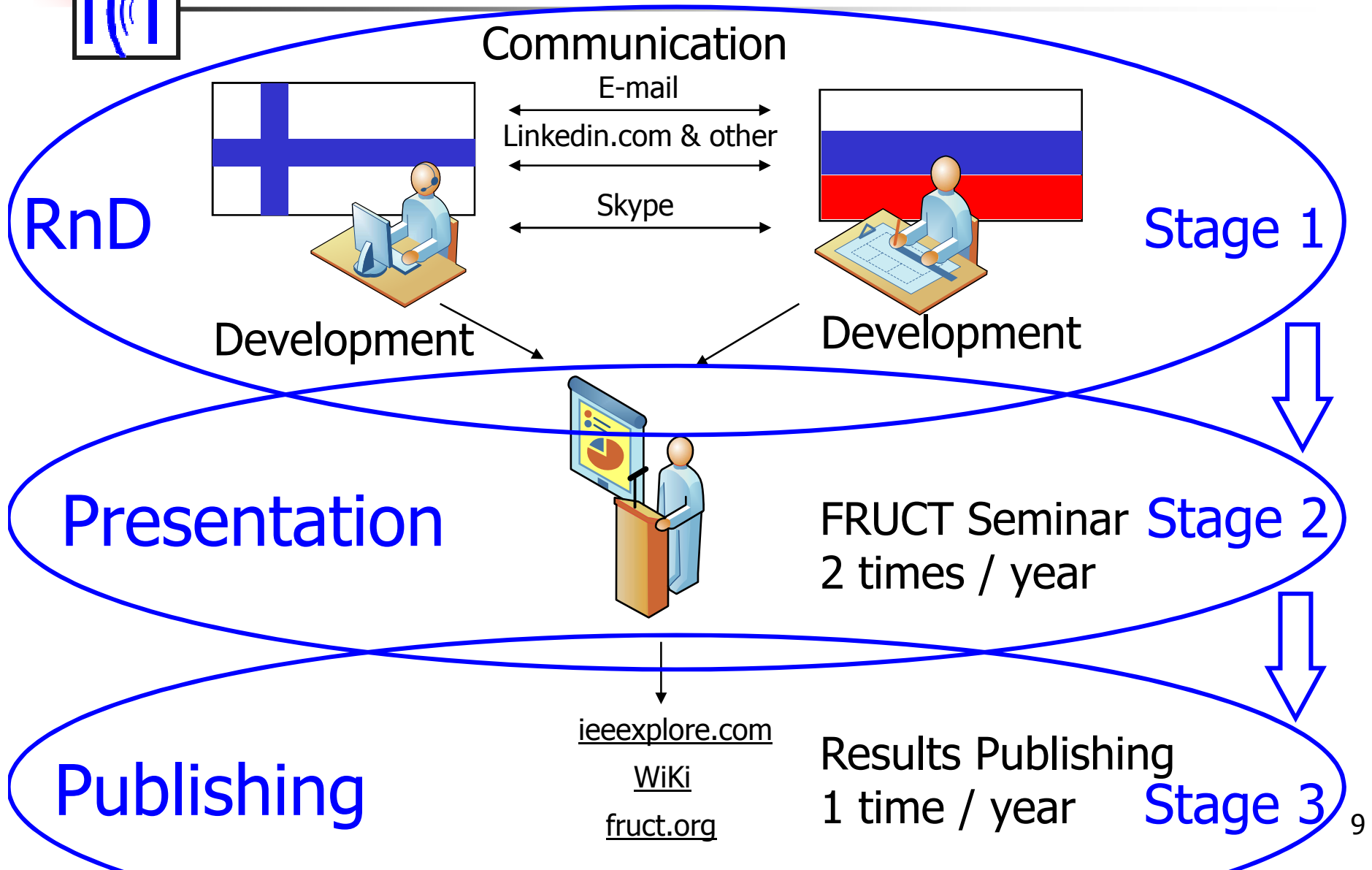


FRUCT Project Processing: Now

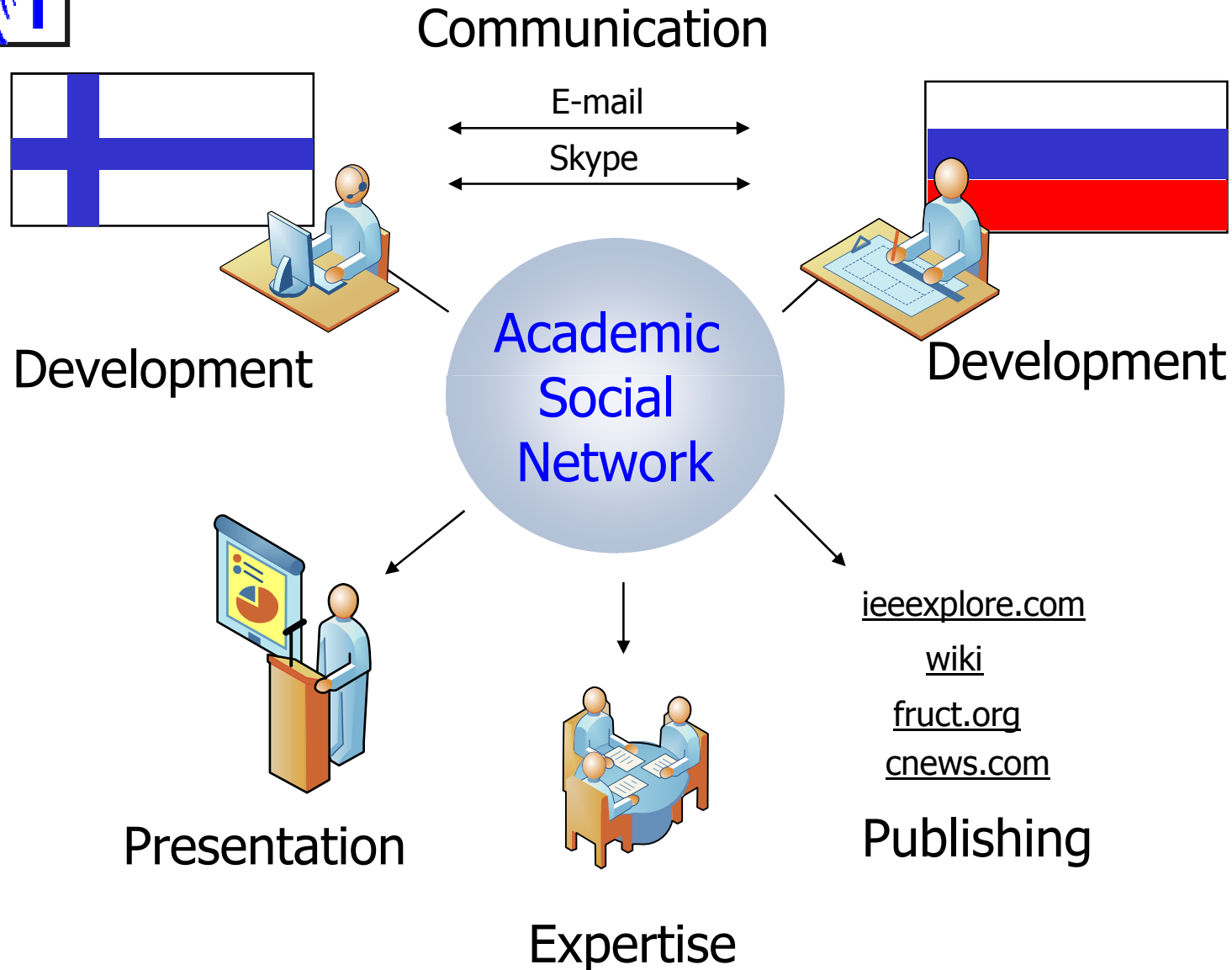




FRUCT Project Processing: Now



FRUCT Project Processing with Academic Social Network





Web-Platform and technologies

- Social Network Engine
 - Elgg 1.5
- Technologies and Languages
 - PHP
 - DHTML, JS
 - XML
 - AJAX
 - jQuery
 - Google Web Toolkit (GWT)



Contact Information

- Status
 - Demo Academic Social Network is available

- Contact
 - Anton Sergeev, PM in SUAI/ICT
 - mailto: slaros@vu.spb.ru

- The Requested Assistance
 - Developers
 - Elgg, DHTML, PHP, GWT, jQuery, XML
 - GUI designers (!)
 - Beta-testers
 - Writers