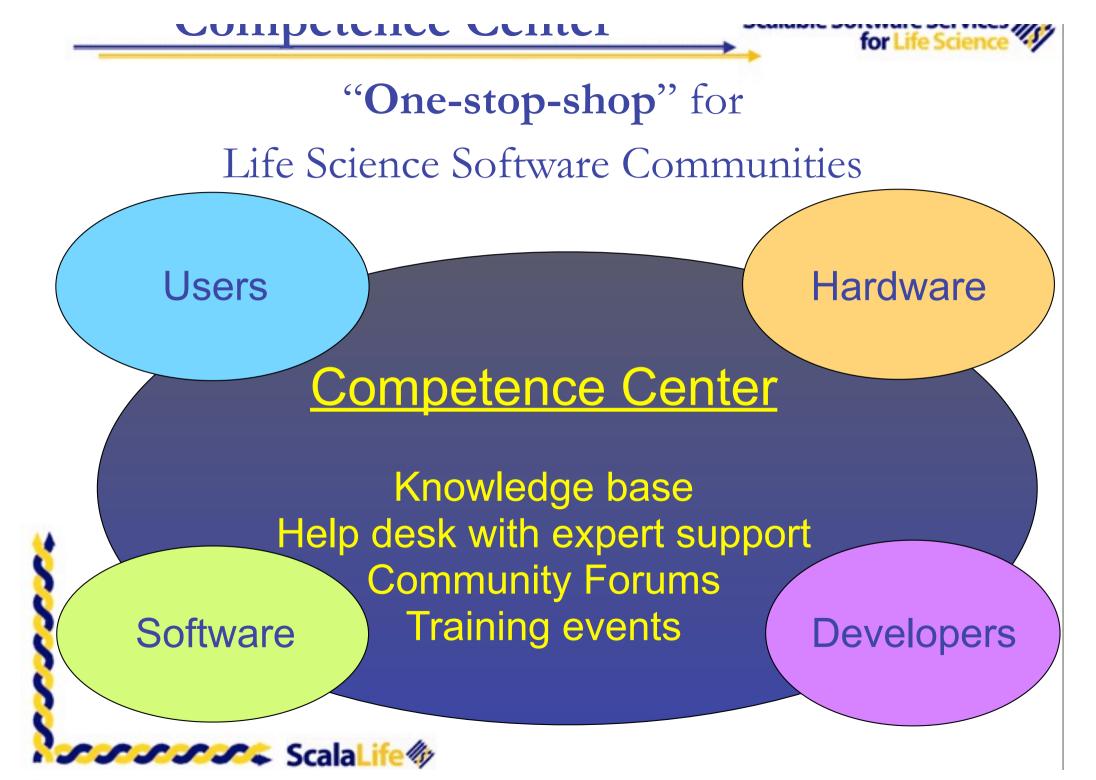
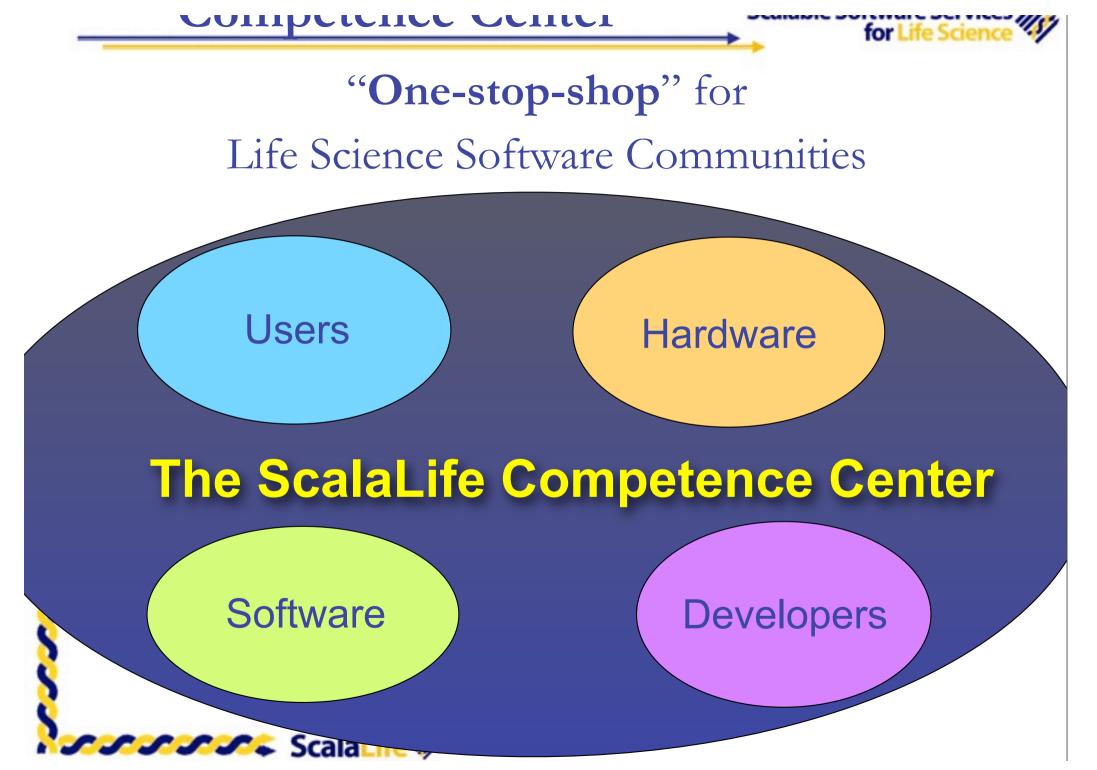
ScalaLife //// Scalable Software Services for Life Science

Rossen Apostolov (KTH-PDC)

Life Science Competence Centre





- Services provided by the Competence Centre will include
 - Gaining access to cutting-edge high-performance hardware
 - Provision of ready-to-use applications for end-users; source code and necessary tools to developers
 - Collaborative environment for information retrieval and exchange
 - Exclusive support by application experts
 - Training events



- As support structures for the services the centre will provide
 - Web portal as a centralized place for community integration
 - Knowledge base as the main source of collective information
 - Discussion forums and mailing lists for facilitation of user interactions
 - Help desk system





Users of core applications

What can they expect from the Competence Centre?

What the Competence Centre expects from them?

Get support

- Installation of core applications on local hardware.
- Recommendations for purchase of HW configurations.

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- Program execution and optimal utilization of resources.
- Analysis of the computational output.

Give support

- Provide description of the project and links to the group's homepage.
- Provide sample models and test cases for validation if needed.
- Providing help to the community.
- Acknowledge the Competence Centre in publications.
- Include the ScalaLife application experts as authors of subsequent published works.





What can they expect from the Competence Centre?

What the Competence Centre expects from them?

Get support

- Methods for software code profiling/optimization.
- Support with performance and scalability analysis.
- Receive a platform for community engagement.
- Popularize the software through ScalaLife's outreach initiatives.

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Give support

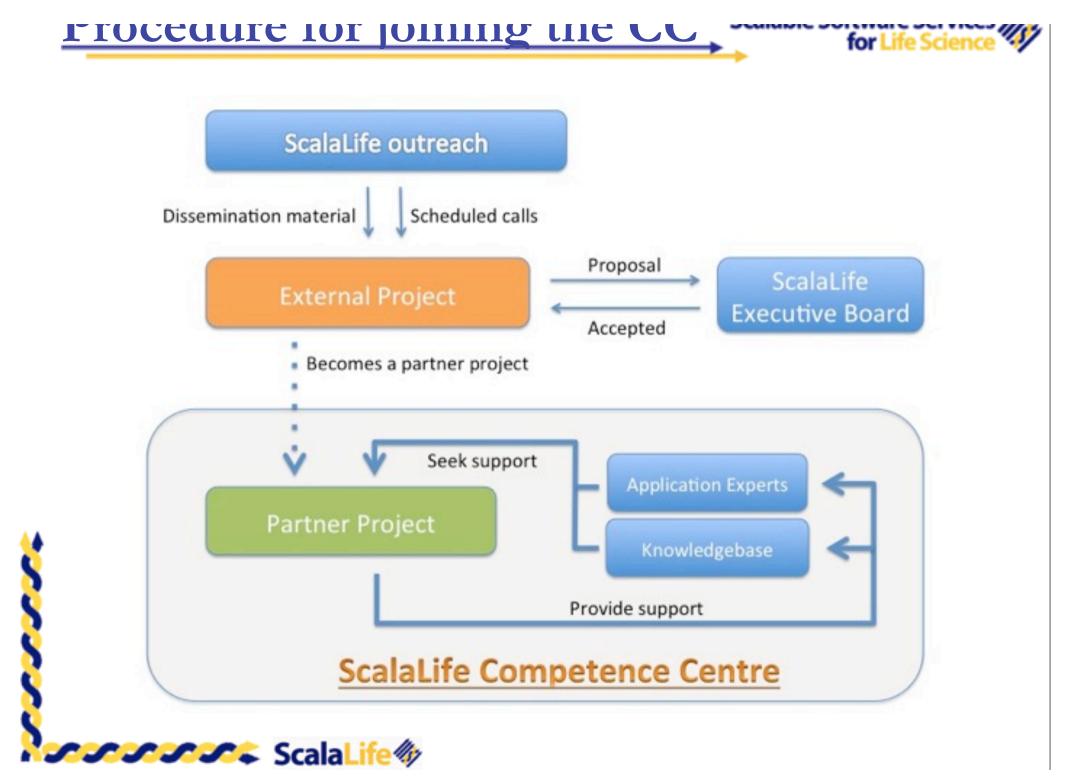
- Deploy precompiled binaries of their application.
- Provide tutorials, best practices guides etc. about application usage
- Provide community support for users; participate in training events organized as part of ScalaLife.
- Acknowledge ScalaLife in publications and provide/link to them on the website.



- The centre needs active engagement of all of us!
- Competence Centre needs to grow
 - engagement of new members
- Passive provision of information only, even highquality one, **will not be enough**.
- Need to actively seek groups and projects and offer them extra value as an incentive to join
 - A step towards **sustainability**
- Communication needs to go via the webportal!



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ScalaLife Competence Centre

Knowledgebase

Provide support





Calls can be for:

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New software packages

New user groups of the core applications



- Three calls during the lifetime of the project at PM 14, 19 and 26
- Before each call the Executive Board will have a month to make an evaluation of the current status of the community and assess the needs.
- Project partners should provide suggestions for research groups to be contacted with offers to join the program.
- A decision should be taken by the EB within a month after the call.



Indicators	Targets	Deadline
Number of integrated external communities	3	1 at each PM18/24/30
Geographical coverage of the integrated communities	2 countries different from the participating partners or International communities	1 at each PM24/30
Number of joint projects with research groups using core applications	9	3 at each PM18/24/30
Number of joint publications	1 per project	PM36
Number of newly integrated codebases as core applications	3	1 at each PM18/24/30
Scientific areas of integrated codebases	2 new areas	PM30



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- Make more appealing and functioning portal!
- Populate it, make it rich; integrate external DB
 - Gromacs/Dalton mailing lists;
- Make visible our expertise in application usage and software development on the portal; promote it!
 - **Personal profile pages** of the experts with their expertise and interest in projects
- Seek collaboration projects that can be channeled through CC, e.g. BSC working with another software; Gromacs/Dalton/Discrete working with experimentalists (biologists)

- Keep our own development discussions on the web



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