

Significance of the User Support Process in ESGF (e-Science Infrastructures)

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Sessions Keynote

4th ESGF & UVCDAT F2F Conference
2014

User Support Process in ESGF

- Tool builders vs. Tool users
- Why is the user support process in ESGF significant?

- Because:
 - User needs HELP in using systems or service e.g. interacting with the ESGF to get the desired results

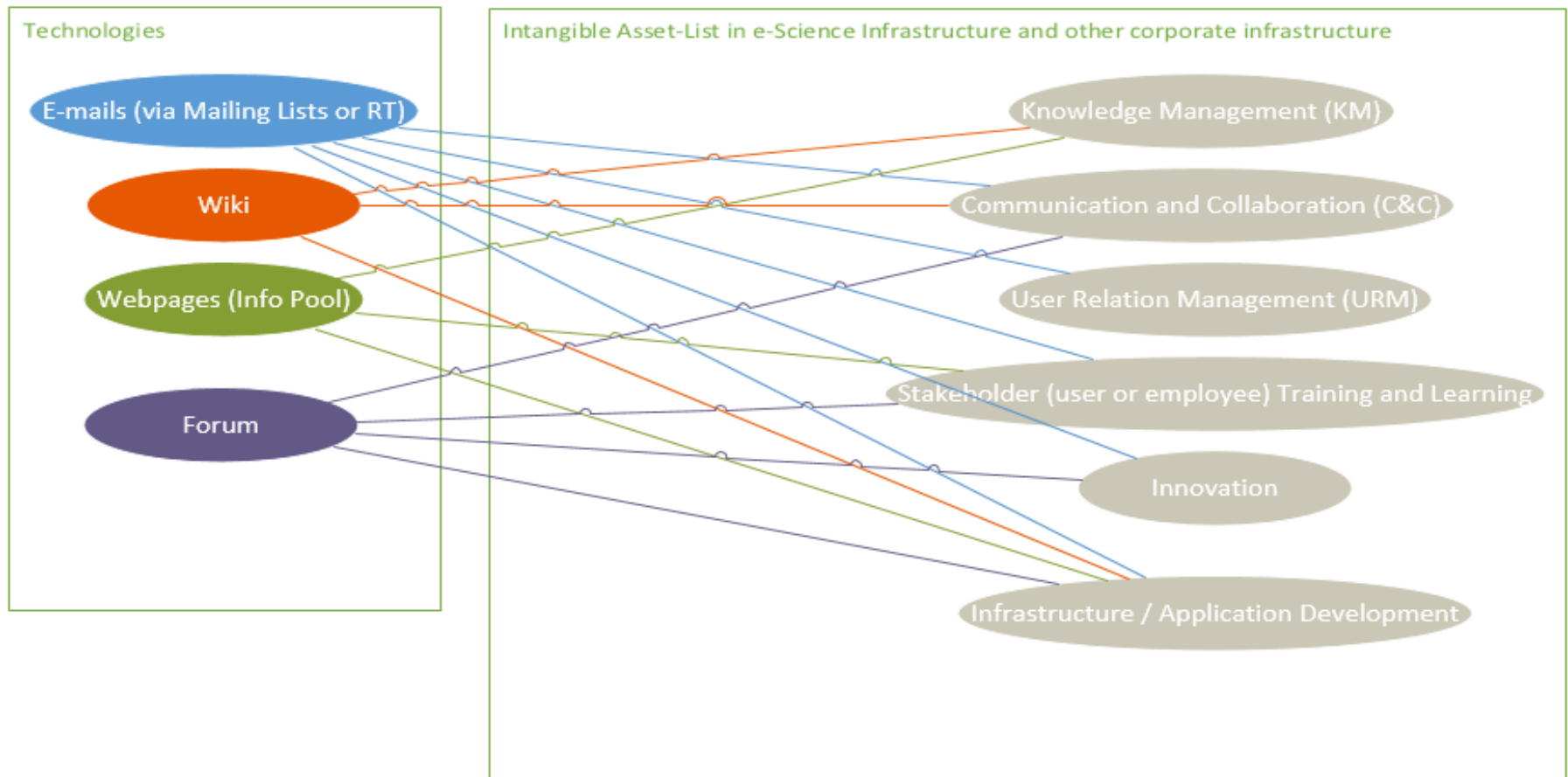
Is it enough?



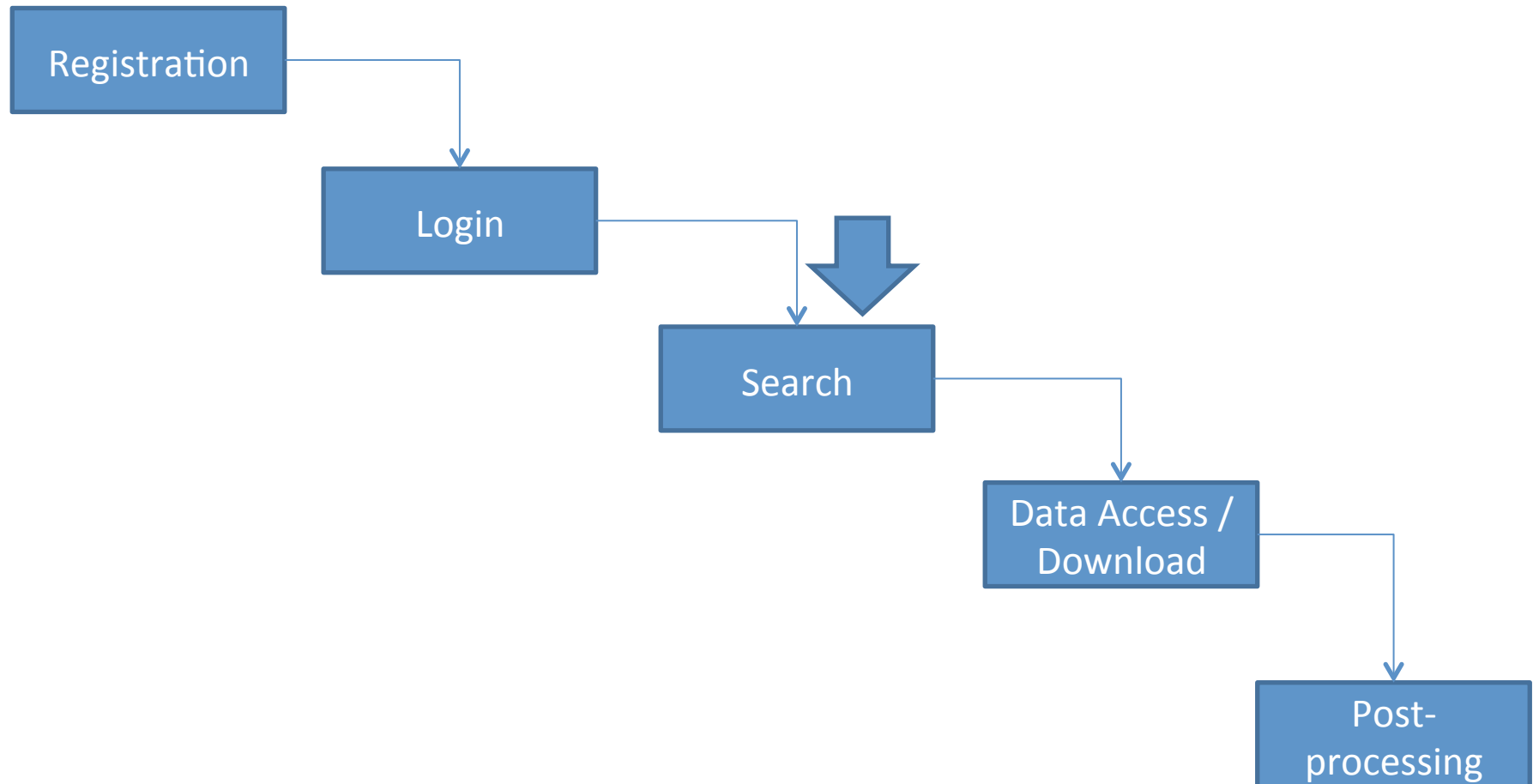
User Support Process creates Assets

- Development
- Innovation
- Improved usability and user experience
- Converting the data into knowledge (DIKW)
- Collaboration and communciation
- Training and Learning
- Attracts Communities
- User & Staff Satisfaction

Current Technologies used in the User Support Process



Workflow of ESGF Users to access Data

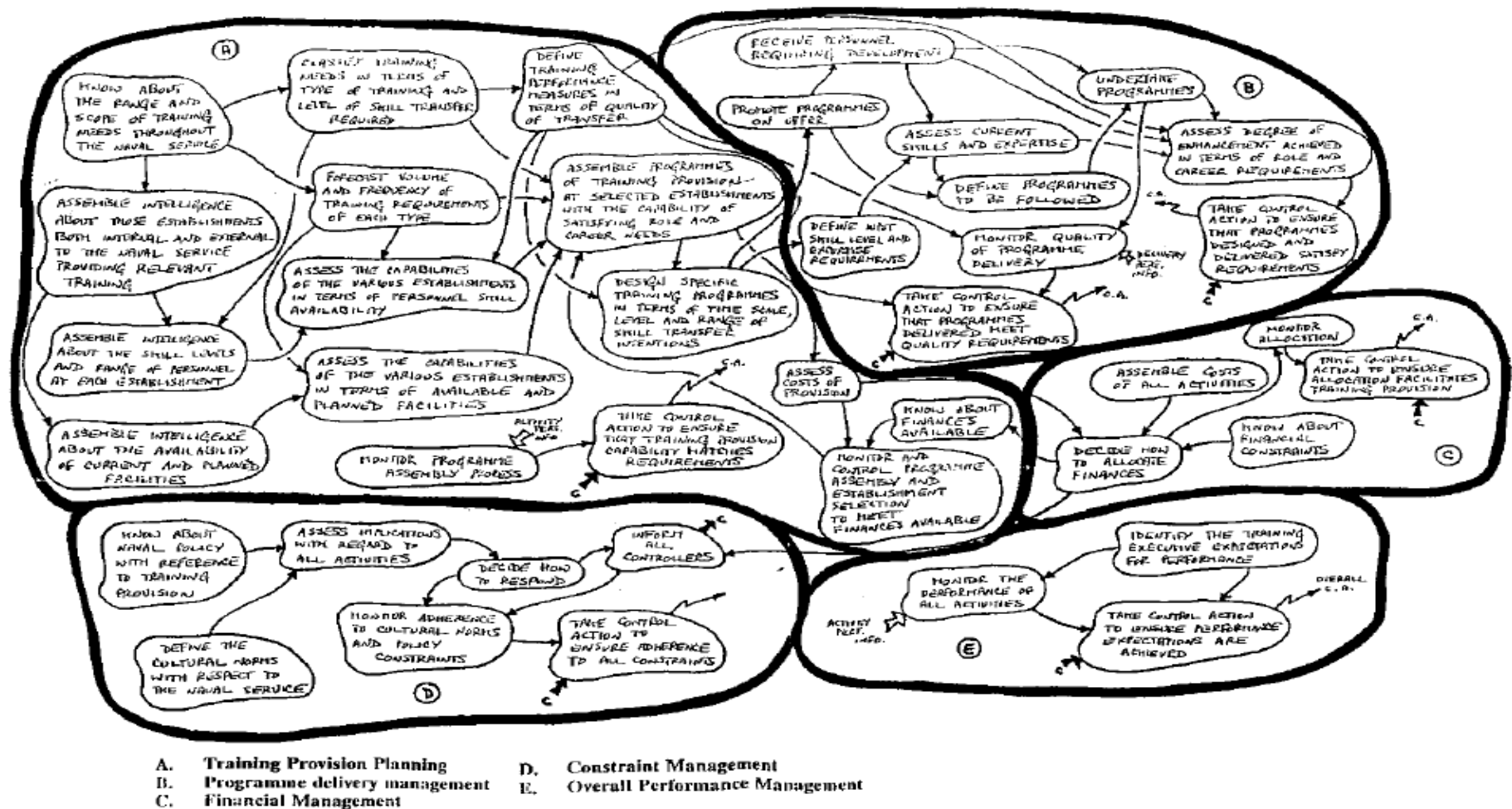


ESGF User Support Process

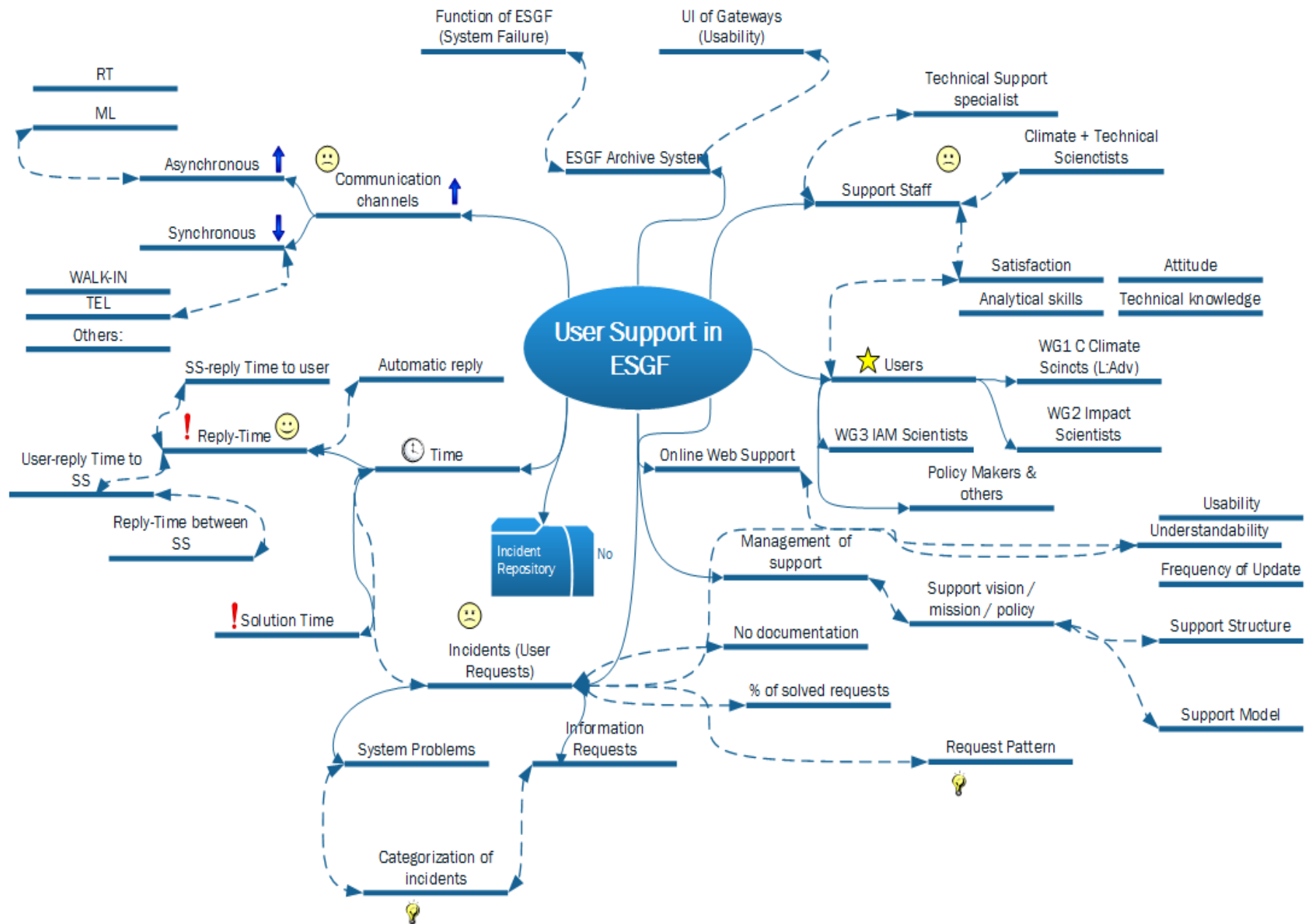
- AS IS (What we have?)
- TO BE (What we can / want to achieve?)

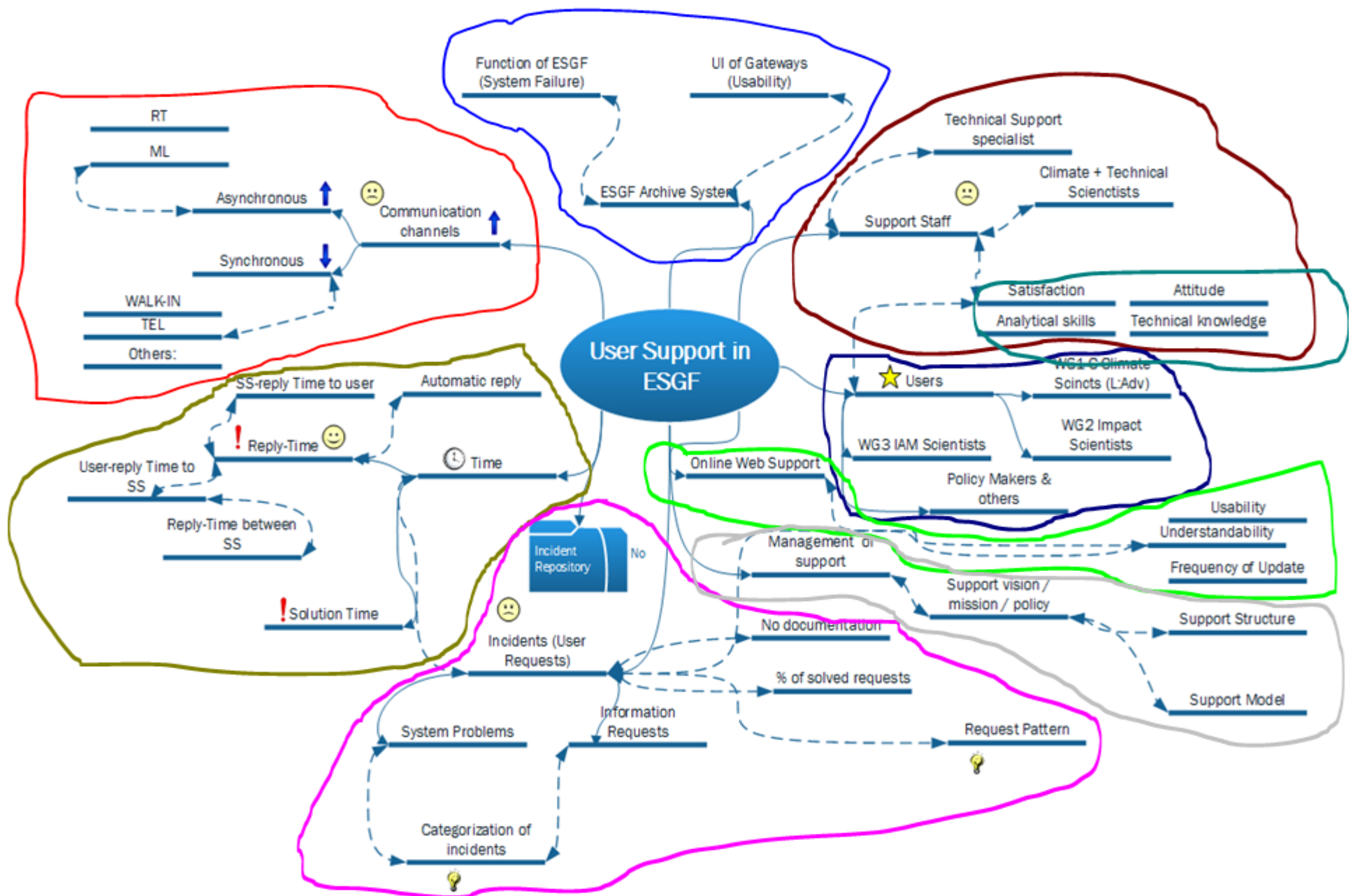
Example of SSM- Training System

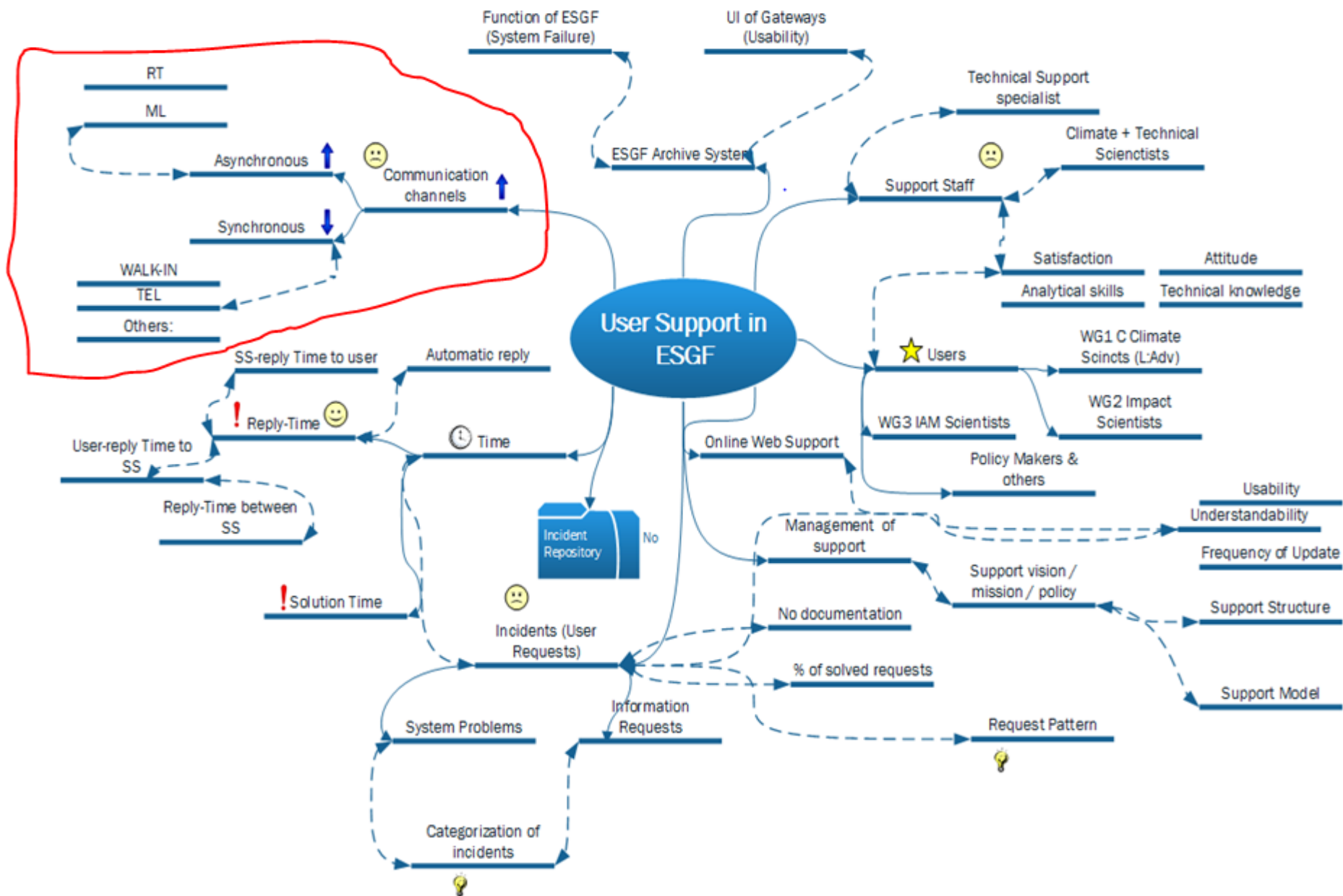
[Wilson 2001]



Suppo

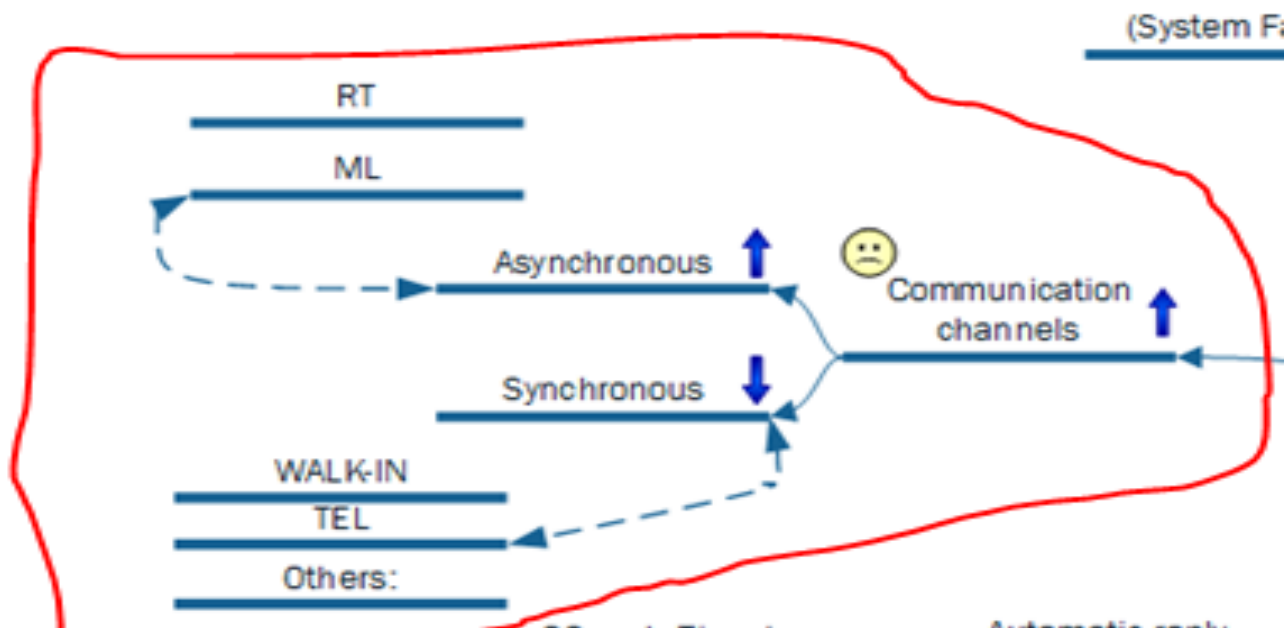




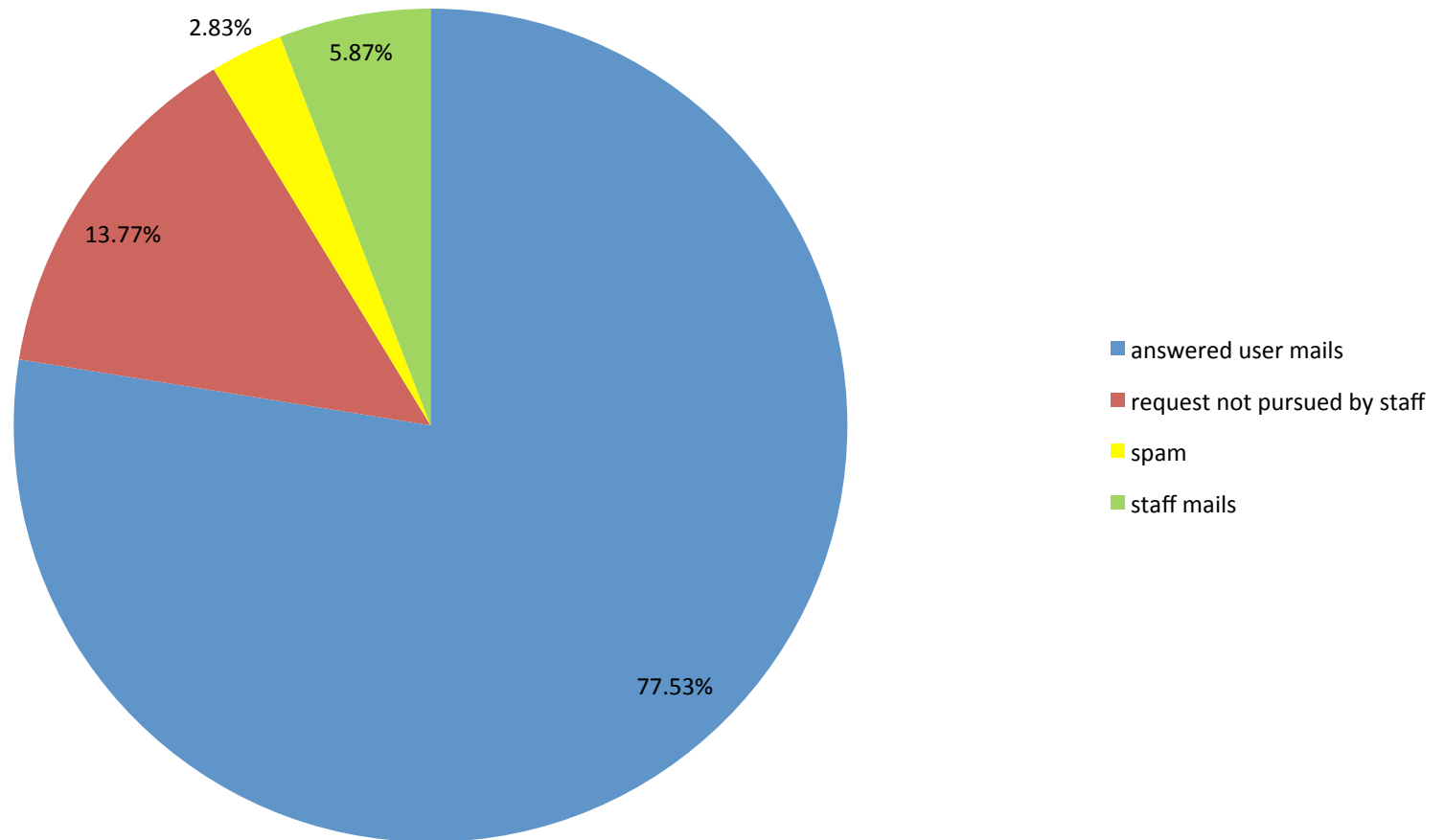


Communication

- Asynchronous: Textual, mainly via e-mail and Request Tracking (>80%)



User queries



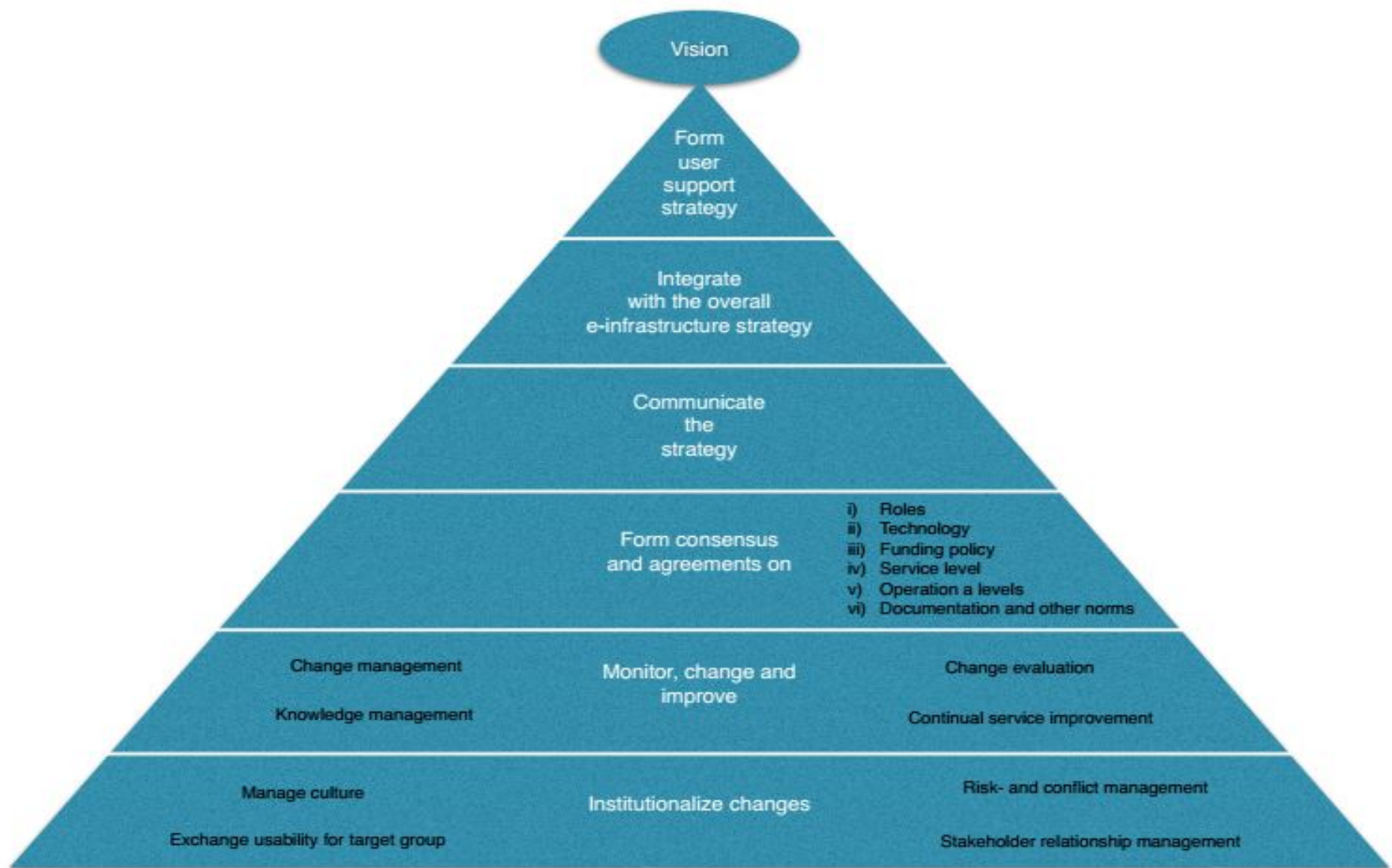
Problem #	
	Problem Description
P1	different <i>understanding</i> of the term <u>user support</u> amongst stakeholders
P2	<i>lack of agreement</i> amongst the stakeholders who <i>the end-users</i> of the ESGF are
P3	<i>unclear role definitions</i> , compensation and accountability for the staffs of federated partner institutions performing user support
P4	<i>no central recorded documentation</i> or a storage area of procedures
P5	<i>no optimal use of human resources</i>
P6	<i>no allocation of budget for end user support</i> : Responsibility vs. allocated amount

Problems (continued)

P7	<i>no defined methods of user support management</i> and they are not used e.g. SLAs, KPIs, OLAs
P8	<i>heterogeneous situation</i> regarding user support practice and culture at every participating partner organization in ESGF
P9	<i>missing combined overall user support strategy</i> for the federated ESGF
P10	need to <i>professionalize IT user support process</i> (missing structures in user support) – (organise, communication)
P11	<i>lack of integration</i> and connectivity of the user support process with other processes in the ESGF e-Science infrastructure

FeUSE Framework

- Federated User Support Enhancement Framework
- A framework to enhance user support

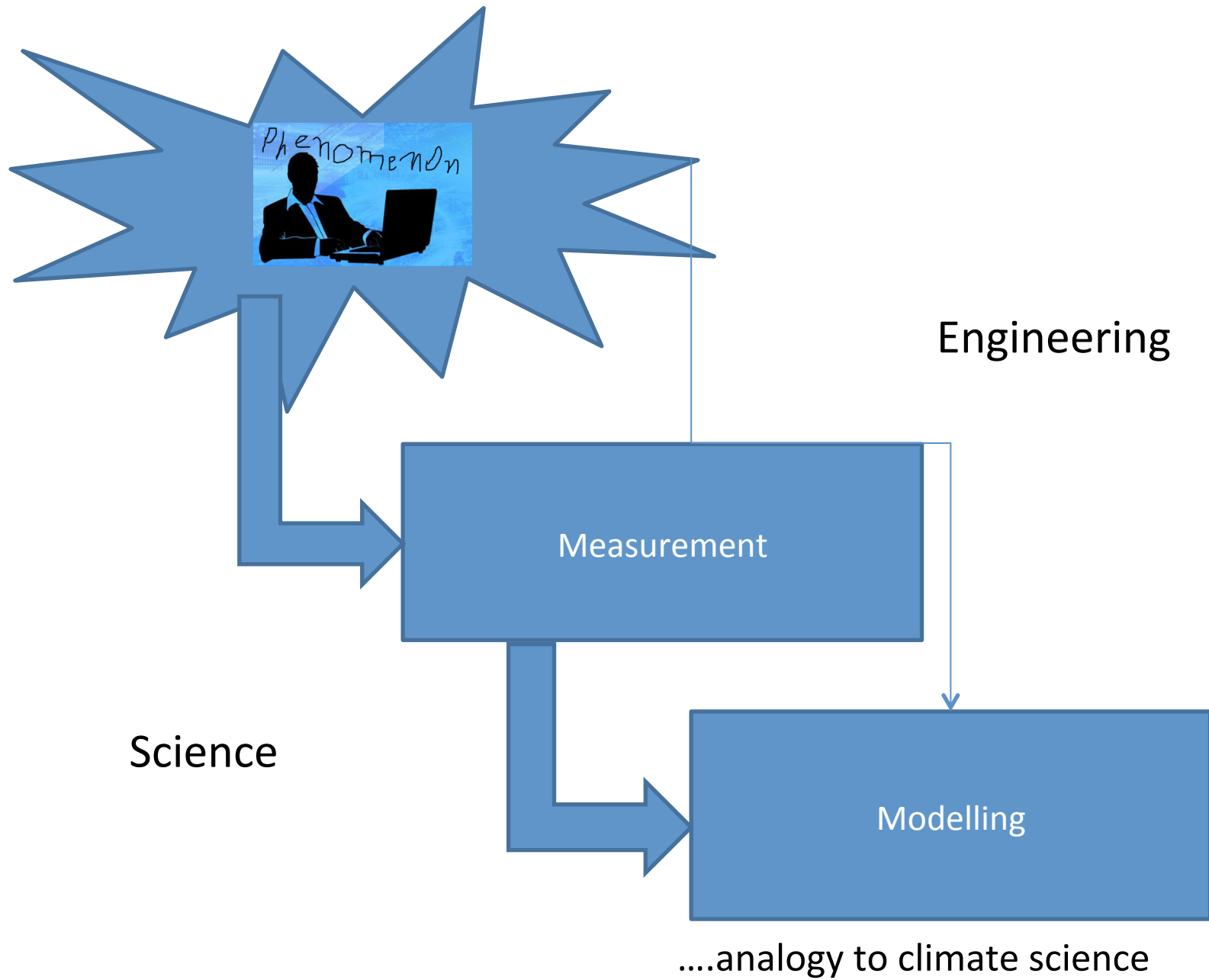


Conclusion

- Holistic perspective: When all parts of a system are put together they achieve properties what individual parts may not have
- Top scientists are doing petty tasks, thus leading to wastage of resources
- Handling of simple and routine queries can be transferred to technicians like FLS
- User support process in ESGF is needed to be streamlined.
- Communication needs to be transparent
- UI of ESGF needs to be more intuitive

Conclusion (continued)

- It needs standards as well as money to put it in a right direction
- User support system in ESGF is the main collaborative part between the federating partners and the different stakeholders
- There is a need to measure the user support process. Metrics are needed to be introduced.



Focus Group Study

- After each day of conference
- You are invited!

Thanks!
Your Questions and Feedback are
Appreciated!

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