

Update Open Exchanges Paper

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- Ad hoc discussion at I2MM spring 2011
- Agreed on at GLIF Tech winter 2011 in Hong Kong
- Resulting document edited by Bill St.A.
- Two other documents surfaced:
 - SURFnet
 - NORDUnet

- Paper published on OLEs, after I2MM
- Full title “Role of Open Exchanges in the evolution of global research and education networking”
- Or: “Open Networks for Open Science”
- Paper edited by Bill St. Arnaud
- Dated May 19, 2011

- Some History
- Current R&E network environment
- New science and demand for big pipes
- Network innovation
- Problem statement Open Exchanges

- Background: LambdaGrid
- Interconnections in multi-domain networking
- The Open Exchange model
- Use cases
- Future developments

- Introduction
- Hybrid Networking vs. routed
- The role of OLEs in a connected world
- Policy handling at an OLE
- Conclusions
- Further reading

- Bill's paper:

- http://www.glif.is/publications/papers/20110519BStA_Open_Exchanges.pdf

- SURFnet's paper:

- http://www.surfnet.nl/en/Thema/netherlight/Documents/INT-11-5-Role_of_open_exchanges_in_research_networking.pdf

- NORDUnet's paper:

- <https://portal.nordu.net/download/attachments/10355162/The+case+for+Open+Lightpath+Exchanges+-+v1.0.1.pdf>

- Documents on OLEs emerging
- Addressing topic from different angles
- Questions:
 - Comments?
 - Further discussion?
 - What is missing?
- Proposal to create repository

- Thank you! Questions?
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