

Acceptable Use Policies & Connection Policies

Help or hindrance for end-to-end research, innovation and the Open Science Cloud?

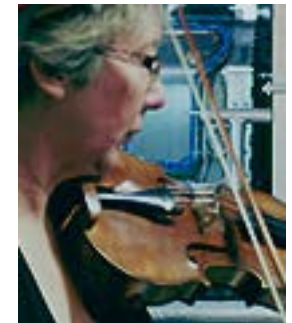
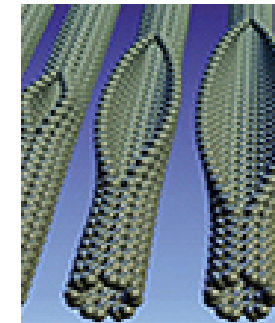
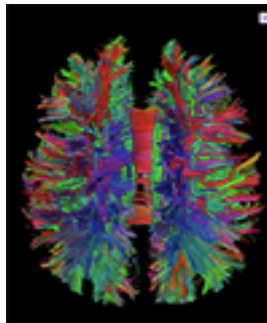
John DYER

E-IRG Workshop, Luxembourg

24/25 November 2015

- Telecoms dominated by **monopolistic protected encumberents**
 - Telecommunications market was **highly regulated**
 - 1980's significant modernisation of the market started
- Internet in Europe starts to take off
 - R&E community move from STAR networks to fully meshed clouds
- Some national regulators acknowledge that NREN community is a **CLOSED USER GROUP**
 - There was hence a motivation to protect this position by defining:
 - **Connection Policy**
 - **Acceptable Use Policy**

- Globalisation
 - Distributed Virtual Teams
 - Class A, B, C, users
 - E-Infrastructure providers
 - E-Infrastructure users
 - Open science
 - Big Data
 - Health Networks
 - Sensor networks
 - Citizen science
 - SMEs / industry
- Much, much more



Where are we now with Connection Policy

- Defines the conditions under which organisations are eligible to access and use the network and its services
- Not yet undertaken an extensive survey & comparison of European NREN CPs
 - Examples can be found online:
 - <https://community.jisc.ac.uk/library/janet-policies/eligibility-policy>
 - <https://www.renater.fr/agrement-renater?lang=en>
 - <https://www.surf.nl/en/about-surf/subsidiaries/surfnet/about-surfnet/connecting-to-surfnet/index.html>
 - Constraints and Complexity varies according to local conditions
- **DIVERSITY OF POLICIES**

A pink speech bubble with a tail pointing towards the "DIVERSITY OF POLICIES" bullet point.

TAKE
AWAY
MESSAGE

Observation #4: Who they connect to is who you connect to

- > Your decision not to connect (or peer) may not mean that you are not connected.



CPs do not extend to beyond your network borders, but your network does.

Observation #3: All or nothing

- > Once connected, you generally accept all of the traffic of who is connected to you without exception.



CPs (may) provide high control granularity over who connects, but low granularity over what is exchanged.

Acknowledgement: Mark Wolff, CTO CANARIE
<https://www.terena.org/tf-msp/meetings/20150909/MarkW2.pdf>

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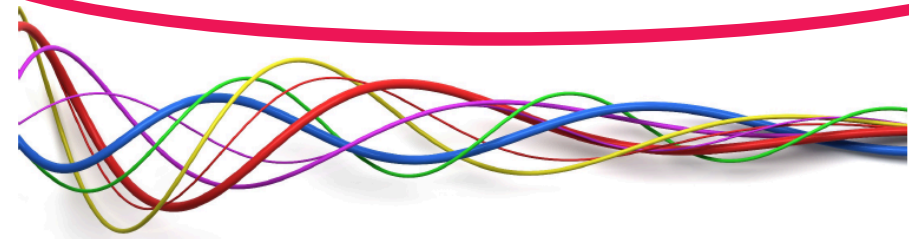


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- **Vital Instrument**

Connection Policies more important than AUP

A red speech bubble with a white border and a tail pointing towards the left. Inside the bubble, the text "TAKE AWAY MESSAGE" is written in white, uppercase, sans-serif font.

TAKE
AWAY
MESSAGE

- **Connection Policies must reflect local needs**
- **The scope of Research and Education is changing**
 - **Globalisation**
 - **Distributed Virtual Teams**
 - **Open Data, Citizen Science, Sensor Networks, Internet of Things**
- **Connection Policies need to be adapted to the changing environment**



Acceptable Use

ALLOWED



Unacceptable Use

FORBIDDEN

An Acceptable Use Policy (clauses describing unacceptable use)



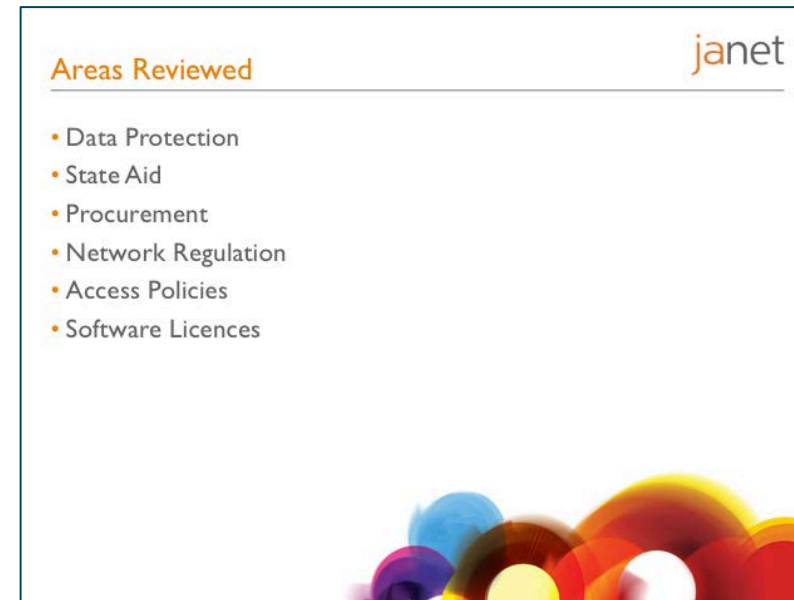
- **The network may not be used by a User Organisation or its Members for any activity that may reasonably be regarded as unlawful or potentially so.**
- **This includes, but is not limited to, any of the following activities:**
 - Creation or transmission, or causing the transmission, of any offensive, obscene or indecent images data or other material, or any data capable of being resolved into obscene or indecent images or material; material with the intent to cause annoyance, inconvenience or needless anxiety; material with the intent to defraud; defamatory material; material such that this infringes the copyright of another person; unsolicited bulk or marketing material to users of networked facilities or services, save where that material is embedded within, or is otherwise part of, a service to which the user or their User Organisation has chosen to subscribe; Deliberate unauthorised access to networked facilities or services;
 - Deliberate or reckless activities having, with reasonable likelihood, any of the following characteristics: wasting staff effort or resources, including time on end systems on another User Organisation's network, and the effort of staff involved in the support of those systems; corrupting or destroying other users' data; violating the privacy of other users; disrupting the work of other users; denying service to other users (for example, by overloading of access links or switching equipment, of network services, or of services or end systems on another User Organisation's network); continuing to use an item of software or hardware after the Network Operations Centre or its authorised representative has requested that use cease because it is causing disruption to the correct functioning of the network; other misuse of the network, such as the introduction of "viruses" or other harmful software via the network to resources on the network, or on another User Organisation's network.

An Acceptable Use Policy (clauses describing acceptable use)



- A User Organisation and its Members may use the network for the purpose of communicating with other User Organisations and their Members, and with organisations, individuals and services attached to networks which are reachable via the network.
- The network may be used by a User Organisation and its Members for any lawful activity in furtherance of the missions of the User Organisation.
- Use by the User Organisation and its Members may be in pursuance of activities for commercial gain as well as for not for profit activities

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Acknowledgement: Andrew Cormack, Chief Regulatory Adviser
<http://e-irg.eu/documents/10920/260645/cormack.pdf>

Finding out about NREN AUPs

Compendia

Reports

These reports are still beta and serve now to illustrate the capabilities and to give a glimpse of what is still needed. We expect to be able to make those changes in the near future - watch this space!

- Service matrix
- Acceptable use policies**
- NRENs that responded to the questionnaire
- NRENs in Europe that responded to the questionnaire
- Is an AAI provided by or for the NREN
- Core capacity on the network
- Staffing

<https://compendium.terena.org/reports/aup>

Acceptable Use Policies 2015

NREN	AUP
ARN	http://www.arn.dz/index.php/charte-de-bon-usage
AARNet	https://www.aarnet.edu.au/images/uploads/resources/AARNetContentPolicydated1Aug2012.pdf
ACOnet	http://www.aco.net/aconet-aup.pdf
RNP	http://www.rnp.br/file/15/download?token=XH7J3-Qs
CANARIE	http://www.canarie.ca/network/how-to-connect/
CARNet	http://www.carnet.hr/clanstvo_u_carnet_mrezl/prava_i_obveze_clanice
CYNET	http://www.cynet.ac.cy/english/CyNet_Network_AUP.htm
CESNET	http://www.cesnet.cz/cesnet/documents/access-policy-ap-for-the-cesnet-large-infrastructure/?lang=en
DeIC	http://www.deic.dk/sites/default/files/AUP_Forskningsnettet_2015.pdf
EENet	http://www.eenet.ee/EENet/usagepolicy.html
Funet	https://info.funet.fi/wiki/x/MIII
RENATER	https://www.renater.fr/IMG/pdf/Charte_RENATER_Vjanv2014.pdf
GRNET S.A.	https://www.grnet.gr/en/node/69
NIIF/HUNGARNET	http://www.niif.hu/en/acceptable_use_policy_aup_niifhungarnet
RHnet	http://rhnet.is/reglur.html
HEAnet	http://www.heanet.ie/about/policies/acceptable-usage-policy
IUCC	https://www.iucc.ac.il/ilan-network/ilan-network-terms-of-use/
GARR	http://www.garr.it/b/utenti/regole-di-accesso/acceptable-use-policy-aup
SigmaNet	http://nren.sigmanet.lv/resource/show/134
LITNET	http://www.litnet.lt/index.php/en/aup
RESTENA	http://www.restena.lu/restena/en/EN-InstConditions.html
RENAM	http://www.renam.md/index.php?option=com_content&task=view&id=30&Itemid=12
MREN	http://www.cis.ucg.ac.me/Pravila_o_koriscentju_AMUCG.php
SURFnet	not online
UNINETT	https://www.uninett.no/en/acceptable-use
FCCN	https://www.fccn.pt/en/academic-network/the-science-technology-and-society-network/aup/
AMRES	https://www.amres.ac.rs/images/dokumenti/pravilnik_o_pravilima_pristupa_i_koriscentja_usluga_amre
ARNES	http://www.arnes.si/pomoc-uporabnikom/pravila-uporabe-omrezja-arnes.html
SANReN	http://www.tenet.ac.za/doc/aup-3-2.pdf/view
ULAKBIM	http://ulakbim.tubitak.gov.tr/tr/hizmetlerimiz/ulaknet-politikalari
Janet (UK)	https://community.jisc.ac.uk/library/acceptable-use-policy

Initial Research (September 2015)

NREN	In Matrix report	AUP	Lang	COM for Research innovation	Use for financial gain	Comments / other information
ACONET	✓	✓	DE			use for commercial purposes as well as a disclosure to foreign institutions is not permitted
JANET	✓	✓	EN	?	?	Conditions apply
DFN	✗?	✗?				
BELNET	✗?	✗?				
DeiC	✓	✓	DK	?		
Hungarnet	✓	✓	EN	for projects		
FUNET	✓	?	FI			On a protected wiki, member login needed
SURFnet	✓	✗?				Not online

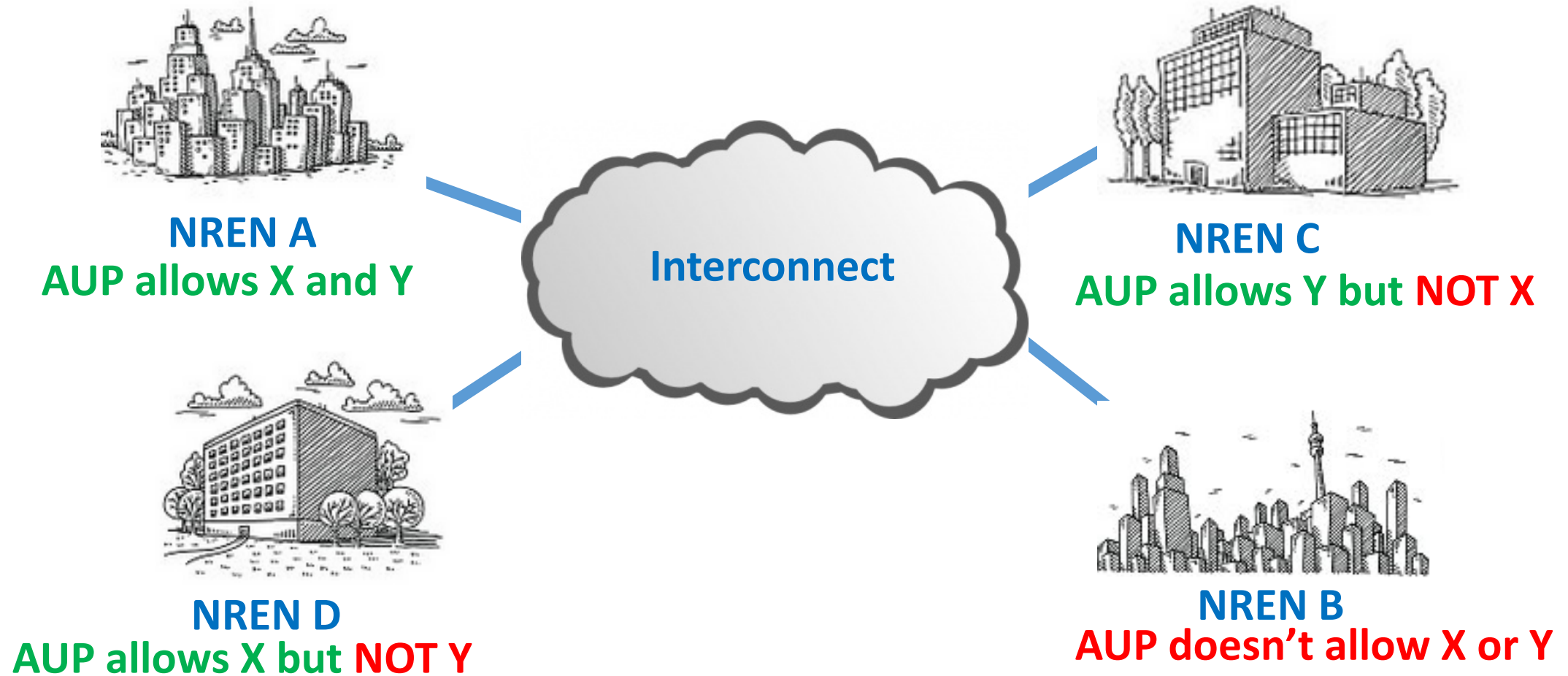
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BELNET	✗?	✗?				
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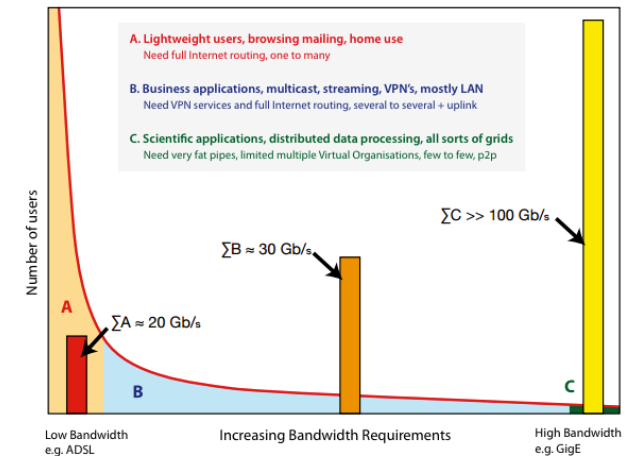
TAKE
AWAY
MESSAGE

DIVERSITY

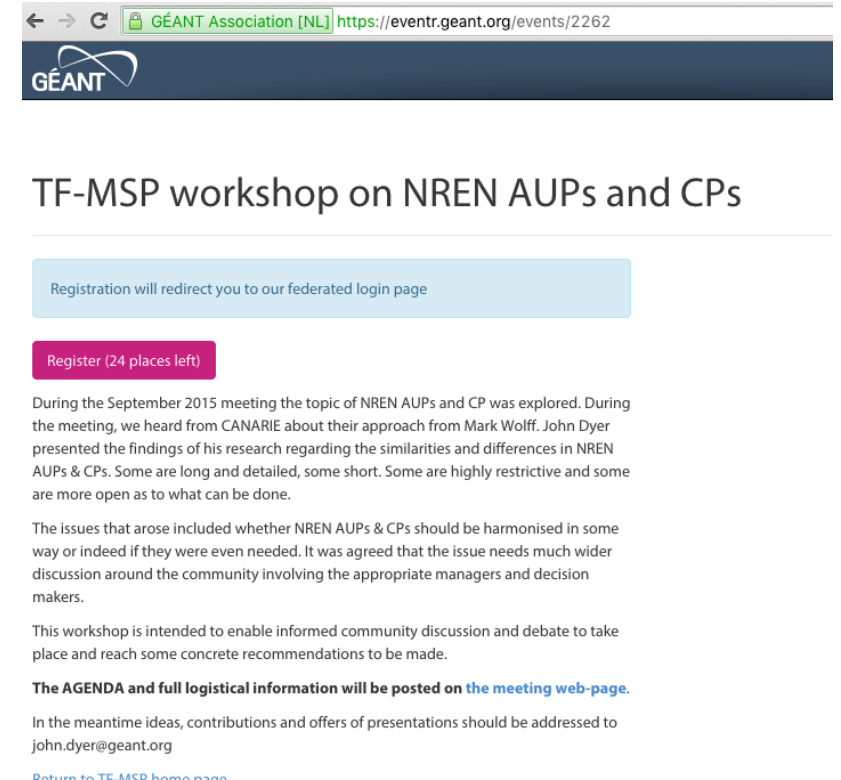
What could this mean ?



- The world & networking landscape is evolving rapidly
- R&E networks need to adequately support all its user communities
- **SIGNIFICANT DIVERSITY POLICIES**
- **RISK: following the path of the lowest common denominator**
- Need solutions that serve all users, including high-end users that cannot be satisfied by the market



- **Invitation to participate, present, discuss:
Acceptable Use & Connection Policies**
- **Workshop Agenda & Logistics:**
<https://www.terena.org/tf-msp/meetings/20160111/>
- **Registration:**
<https://eventr.geant.org/events/2262>
- **Hosted by DFN in Berlin 11 & 12 January 2016**



The screenshot shows a web browser window with the address bar displaying "GÉANT Association [NL] https://eventr.geant.org/events/2262". The page header features the GÉANT logo. The main heading is "TF-MSP workshop on NREN AUPs and CPs". Below this, a light blue box contains the text "Registration will redirect you to our federated login page". A pink button labeled "Register (24 places left)" is visible. The main text area contains three paragraphs: the first describes the September 2015 meeting and the topic of NREN AUPs and CPs; the second discusses the need for harmonization and wider community discussion; the third states the workshop's purpose and provides contact information for John Dyer. A link to the meeting web-page is also provided.

← → ↻ GÉANT Association [NL] https://eventr.geant.org/events/2262

GÉANT

TF-MSP workshop on NREN AUPs and CPs

Registration will redirect you to our federated login page

[Register \(24 places left\)](#)

During the September 2015 meeting the topic of NREN AUPs and CP was explored. During the meeting, we heard from CANARIE about their approach from Mark Wolff. John Dyer presented the findings of his research regarding the similarities and differences in NREN AUPs & CPs. Some are long and detailed, some short. Some are highly restrictive and some are more open as to what can be done.

The issues that arose included whether NREN AUPs & CPs should be harmonised in some way or indeed if they were even needed. It was agreed that the issue needs much wider discussion around the community involving the appropriate managers and decision makers.

This workshop is intended to enable informed community discussion and debate to take place and reach some concrete recommendations to be made.

The AGENDA and full logistical information will be posted on [the meeting web-page](#).

In the meantime ideas, contributions and offers of presentations should be addressed to john.dyer@geant.org

[Return to TF-MSP home page](#)



Thank you and any questions



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