

GN4-2 JRA4 T4

Cloud delivery of real-time communication services

Peter Szegedi

T4 Task Leader

GÉANT

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What is GÉANT



	MEANING	SIZE	RTC & MEDIA SERVICE(S)
	Common trading name of GEANT Ltd. and GÉANT Association	100 people sitting in Cambridge and Amsterdam (and other places)	LifeSize Cloud Skype for Business Skype, NIIF, NORDUnet, ...
	Project (GN4) FPA implemented in phases SGA: GN4-2	39 partners, 5500 PM for 32 months = 170 FTE about 300 people	<i>Partners' services:</i> - SUNET AdobeConnect - RENATER Rendez-vous
	Association with national members and associates	41 NRENs (5 of them represented by NORDUnet) 16 Associate members about 3000 people	Support services eduCONF NRENum.net
	European R&E community	50 million users in Europe	<i>WebRTC Roadmap...</i>
GÉANT International Peers	Global R&E community HEI and Research community	All the NRENs across the globe (about 60 countries) and their users	CLOUD CATALOGUE

JRA4 Task 4 and Task 5



- Task 4 focuses on a specific service type, web-based real-time communication (WebRTC) applications, and the **organisational aspects** involved with the delivery of these services.
- Task 5 focuses on WebRTC real-time communication services, and **creates components for a technical infrastructure** to link services in this area.

Application areas to cover...

- Unified Communication
 - UC will replace legacy telephone services
 - ***NRENum.net support service***
- Traditional Video Conferencing
 - Still relevant
 - No more investment in on-premises MCUs
 - ***eduCONF monitoring, directory***
- Web-based Real Time Communication
 - Plethora of software and cloud-based services
 - De-unify the communication (in-context communication)
 - Presence explosion
- Virtual Learning Environments
 - AdobeConnect, Cisco WebEx
 - MashMeTV
- Multimedia management
 - Streaming, recording
 - Repositories, referatories
 - ***eduOER harvesting and exposure***
- E-Learning applications
 - LMS, e-assessment, SMS
 - WebTUT
- Arts and humanities
 - LoLa
 - Special codec
- Mobile communications
 - GÉANT SIM, roaming via NRENS
 - 3G offload to WiFi
 - IoT

Task Leadership	Peter Szegedi	GÉANT Association	11
WebRTC, VC, UC	Mihály Mészáros	NIIFI	7
WebRTC, VC	Marie O'Sullivan	HEAnet	2
Community	Vanessa Pierne	RENATER	3
VC, WebRTC	Saša Davidović	CARNet	5
UC, VC	Jan Růžička	CESNET	3
Media, VLE	Kostas Vogias	GRNET	7
Media, Business	Ilias Hatzakis	GRNET	5
Community	Jari Miettinen	NORDUnet (CSC)	4
Business	Eli Shmueli	IUCC	3
Business	Tim Boundy	Janet	3
Business	Claudio Allocchio	GARR	3

(ILLUSTRATION) Pick one from the roadmap...

#1 - Make the adoption of useful WebRTC services easier by adding them to the GÉANT Cloud Catalogue, with framework agreements, where appropriate.

What we need...

- **Clever**
 - Know what the community want and how they want it
- **Creative**
 - Exploit/Build on the power of the community
- **Scalable**
 - Think global, act local

Process leading to products...

- Licenses
 - Need an EU procurement to be scalable/usable
 - General procurement that allows multiple vendors to answer and to be selected
 - "Creative" procurement: use the power of the community (volume, sharing)
- Host infrastructure
 - Delivery options must be understood and worked out
 - Who is able/willing to host what
 - Share infrastructure resources across the community
- Product development
 - What combinations make sense
 - Make available via the GÉANT Cloud Catalogue



Thank you and any questions



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