

GÉANT Global Connectivity

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GÉANT Global Connectivity: Index

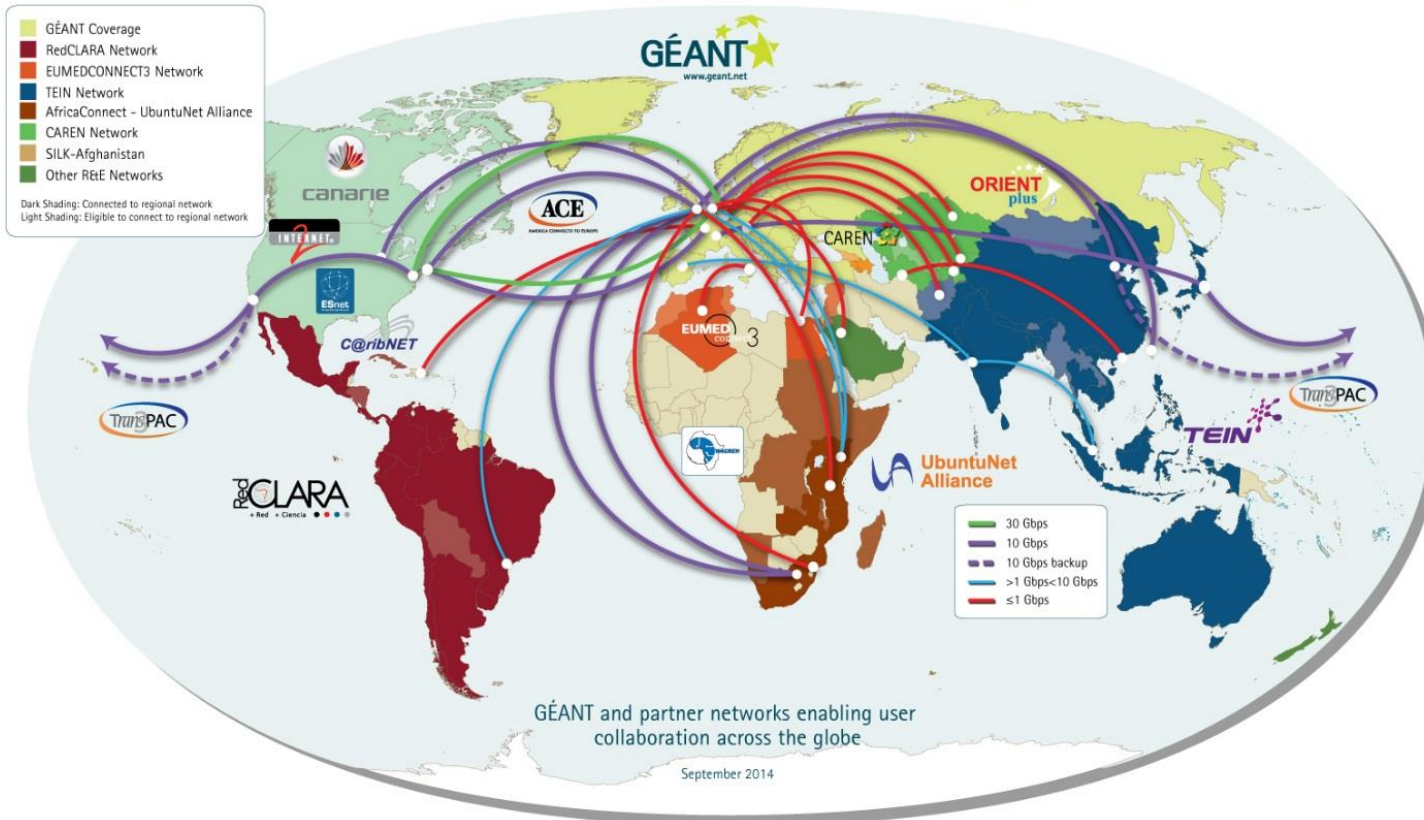


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GÉANT: At the heart of the Global R&E Village



At the Heart of Global Research and Education Networking



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Global Links: North America



| End A | End B | Capacity | Type | Connects to |
|-----------|---------------|-------------|----------------|---|
| Amsterdam | New York | 3 x 10 Gbps | IP | CANARIE; ESnet; Internet2; NLR; SINET; TWAREN |
| Frankfurt | Washington DC | 3 x 10 Gbps | IP | ESnet; Internet2; NISN |
| Paris | New York | 10 Gbps | Point-to-point | CANARIE; ESnet; Internet2 |
| Amsterdam | Chicago | 10 Gbps | Point-to-point | ESnet; Internet2 |



Global Links: Latin America



| End A | End B | Capacity | Type | Connects to |
|--------|-------------------|----------|------|-------------|
| London | Sao Paulo, Brazil | 5 Gbps | IP | RedCLARA |

- Latin American NRENs connected to RedCLARA are:

| NREN | Country |
|------------|-------------|
| INNOVA Red | Argentina |
| RNP | Brazil |
| REUNA | Chile |
| RENATA | Colombia |
| Red CONARE | Costa Rica |
| CEDIA | Ecuador |
| RAICES | El Salvador |

| NREN | Country |
|----------|-----------|
| RAGIE | Guatemala |
| CUDI | Mexico |
| RedCyT | Panama |
| RAAP | Peru |
| RAU | Uruguay |
| REACCIUN | Venezuela |



Global Links: Caribbean



| End A | End B | Capacity | Type | Connects to |
|-------|--------------------------------------|----------|------|-------------|
| Paris | Santo Domingo, Dominican Republic | 155 Mbps | IP | C@ribNET |

Caribbean Countries Connected to C@ribNET

| | |
|-----------------------|------------------------------|
| Anguilla | Jamaica |
| Antigua | Montserrat |
| Bahamas | St. Kitts & Nevis |
| Barbados | St. Lucia |
| British Virgin Island | St. Vincent & the Grenadines |
| Dominica | Suriname |
| Dominican Republic | Trinidad & Tobago |
| Grenada | |



Global Links: North Africa & the Middle East



EUMEDCONNECT3:

| End A | End B | Capacity | Type | Connects to |
|---------|------------------|----------|------|---------------|
| Catania | Algiers, Algeria | 622 Mbps | IP | ARN |
| London | Amman, Jordan | 155 Mbps | IP | JUNET / ASREN |

Egypt:

| End A | End B | Capacity | Type | Connects to |
|-----------|------------|----------|------|-------------|
| Amsterdam | Alexandria | 622 Mbps | IP | ENSTINET |

Saudi Arabia:

| End A | End B | Capacity | Type | Connects to |
|-----------|--------------|----------|------|-------------|
| Amsterdam | Saudi Arabia | 1 Gbps | IP | SARInet |

- GÉANT has indirect links to:
 - ANKABUT, United Arab Emirates
 - Qatar Foundation, Qatar



Global Links: Sub-Saharan Africa



| End A | End B | Capacity | Type | Connects to |
|--------------------|---|----------|----------------|--------------------|
| London & Amsterdam | UbuntuNet Alliance London & Amsterdam routers | 10 Gbps | IP | UbuntuNet Alliance |
| London & Amsterdam | UbuntuNet Alliance London & Amsterdam routers | 10 Gbps | Point-to-point | UbuntuNet Alliance |

- Sub-Saharan NRENs connected to UbuntuNet are:

| NREN | Country | NREN | Country |
|----------|--------------|--------|----------|
| KENET | Kenya | TERNET | Tanzania |
| MoRENnet | Mozambique | ZAMREN | Zambia |
| RwEdNet | Rwanda | RENU | Uganda |
| TENET | South Africa | | |



Global Links: Central Asia



Central Asia – CAREN:

| End A | End B | Capacity | Type | Connects to |
|---------------------|--------------|----------|------|-------------|
| Frankfurt | Kyrgyzstan | 600 Mbps | IP | KRENA-AKNET |
| Frankfurt | Tajikistan | 155 Mbps | IP | TARENA |
| TEIN3 Hong Kong PoP | Turkmenistan | 155 Mbps | IP | TuRENA |

Afghanistan – SILK-Afghanistan:

| End A | End B | Capacity | Type | Connects to |
|--------|-------------|----------|------|-------------|
| Vienna | Afghanistan | 155 Mbps | IP | AfRENA |



Global Links: Asia-Pacific



| End A | End B | Capacity | Type | Connects to |
|-----------|----------------------------|----------|------|-----------------------|
| Madrid | Mumbai, Singapore, H. Kong | 2.5 Gbps | IP | TEIN3 |
| London | Beijing (ORIENTplus link) | 10 Gbps | IP | TEIN3, CERNET, CSTNET |
| Amsterdam | Taiwan | 10 Gbps | IP | ASGC |
| Geneva | Washington DC | 10 Gbps | IP | SINET |

- Asia-Pacific NRENs connected to TEIN3 are:

| NREN | Country | NREN | Country | NREN | Country |
|----------|------------|--------|----------|----------|-------------|
| AARNet | Australia | JGN-X | Japan | PERN2 | Pakistan |
| BdREN | Bangladesh | MAFFIN | Japan | PREGINET | Philippines |
| CamREN | Cambodia | SINET3 | Japan | SingAREN | Singapore |
| CERNET | China | KOREN | Korea | LEARN | Sri Lanka |
| HARNET | Hong Kong | MYREN | Malaysia | ThaiREN | Thailand |
| NKN | India | NREN | Nepal | VINAREN | Vietnam |
| INHERENT | Indonesia | | | | |

GÉANT: The Best-connected R&E Network



66 countries outside Europe connected to GÉANT

Americas & the Caribbean

- CANARIE Canada
- C@ribNET Anguilla, Antigua, Bahamas, Barbados, BVI, Dominica, Dominican Rep., Grenada, Jamaica, Montserrat, St. Kitts, St. Lucia, St. Vincent, Suriname, Trinidad
- CEDIA Ecuador
- CUDI Mexico
- ESNet USA
- INNOVA|RED Argentina
- Internet2 USA
- NISN (NASA) USA
- RAAP Peru
- RAGIE Guatemala
- RAICES El Salvador
- RAU2 Uruguay
- REACCIUN2 Venezuela
- Red CoNARE Costa Rica
- RedCyT Panama
- RENATA Colombia
- REUNA Chile
- RNP Brazil

Middle East & Africa

- ANKABUT United Arab Emirates
- ARN Algeria
- ENSTINET Egypt
- EUN Egypt
- JUNET Jordan
- KENET Kenya
- MoRENet Mozambique
- Qatar Foundation Qatar
- RENU Uganda
- RwEdNet Rwanda
- SARInet Saudi Arabia
- TENET South Africa
- TERNET Tanzania
- ZAMREN Zambia

Asia & Oceania

- AARNet Australia
- AfRENA Afghanistan
- ASGC Taiwan
- BdREN Bangladesh
- CamREN Cambodia
- CERNET China
- CSTNET China
- HARNET Hong Kong

Asia & Oceania (cont.)

- INHERENT/ITB Indonesia
- JGN-X Japan
- KOREN/NIA Korea
- KRENA-AKNET Kyrgyzstan
- LEARN Sri Lanka
- MAFFIN Japan
- MYREN Malaysia
- NKN India
- NREN Nepal
- PERN2 Pakistan
- PREGINET Philippines
- REANNZ New Zealand
- SINET4/NII Japan
- SingAREN Singapore
- TARENA Tajikistan
- ThaiREN/ThaiSARN Thailand
- ThaiREN/UniNet Thailand
- TuRENA Turkmenistan
- TWAREN Taiwan
- VINAREN Vietnam

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