



Solutions for Today's Challenges

INTERNET2 HAS BEEN SERVING THE RESEARCH AND EDUCATION COMMUNITY FOR OVER 25 YEARS



University Leaders are Under Pressure to Solve Major Challenges

Internet2 was created by universities and provides advanced technology infrastructure and services to support research, to help institutions enhance their operating environments, and to address all of these challenges, and more.

LEVERAGE TRUSTED RELATIONSHIPS

ENSURE SUSTAINABILITY OF TECHNOLOGY INVESTMENTS

INCREASE PRODUCTIVITY & EFFICIENCIES

EVOLVE AT GREAT SPEEDS

MAINTAIN & IMPROVE





Internet2

is a national organization and community that exists exclusively to support the technology needs and missions of R&E institutions.

High-performance Architecture & Services



NETWORK

Integrated Cloud Services



CLOUD

Community-developed Solutions



SECURITY

Collaborate with R&E Peers



COMMUNITY

320+

HIGHER EDUCATION MEMBERS

44

REGIONAL & STATE NETWORKS

750+

EDUROAM SUBSCRIBERS

350+

UNIVERSITY NET+ SUBSCRIBERS

50+

INDUSTRY MEMBERS

1000+

INCOMMON HIGHER EDUCATION, RESEARCH & CORPORATE PARTICIPANTS

750+

NET+ CLOUD CONTRACTS

60

AFFILIATE & GOVERNMENT MEMBERS

100+

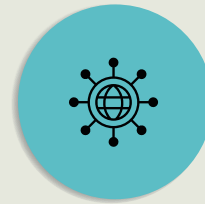
COUNTRIES & RESEARCH NETWORKS CONNECTIONS

100,000+

COMMUNITY ANCHOR INSTITUTIONS

A 5th Generation Internet2 Infrastructure

with high-performance architecture for the future of R&E



NETWORK

HELPING
Institutions Connect
to the Cloud

SUPPORTING
Data Intensive
Research

SUPPORTING
Ecosystem-Wide
Network Services

ENABLING
Automation,
Performance &
Operations

DRIVING
Operational Economics
& Scalability

✓ Embedded Security

✓ Bandwidth Abundance

✓ Norms for Routing Security

✓ Enterprise Support

✓ Regional/National Integration

✓ Software-Driven Infrastructure

✓ Secure Network Management

✓ Measurement Services

✓ Connected Research Computing

✓ Distributed Denial of Service

✓ Global Reachability

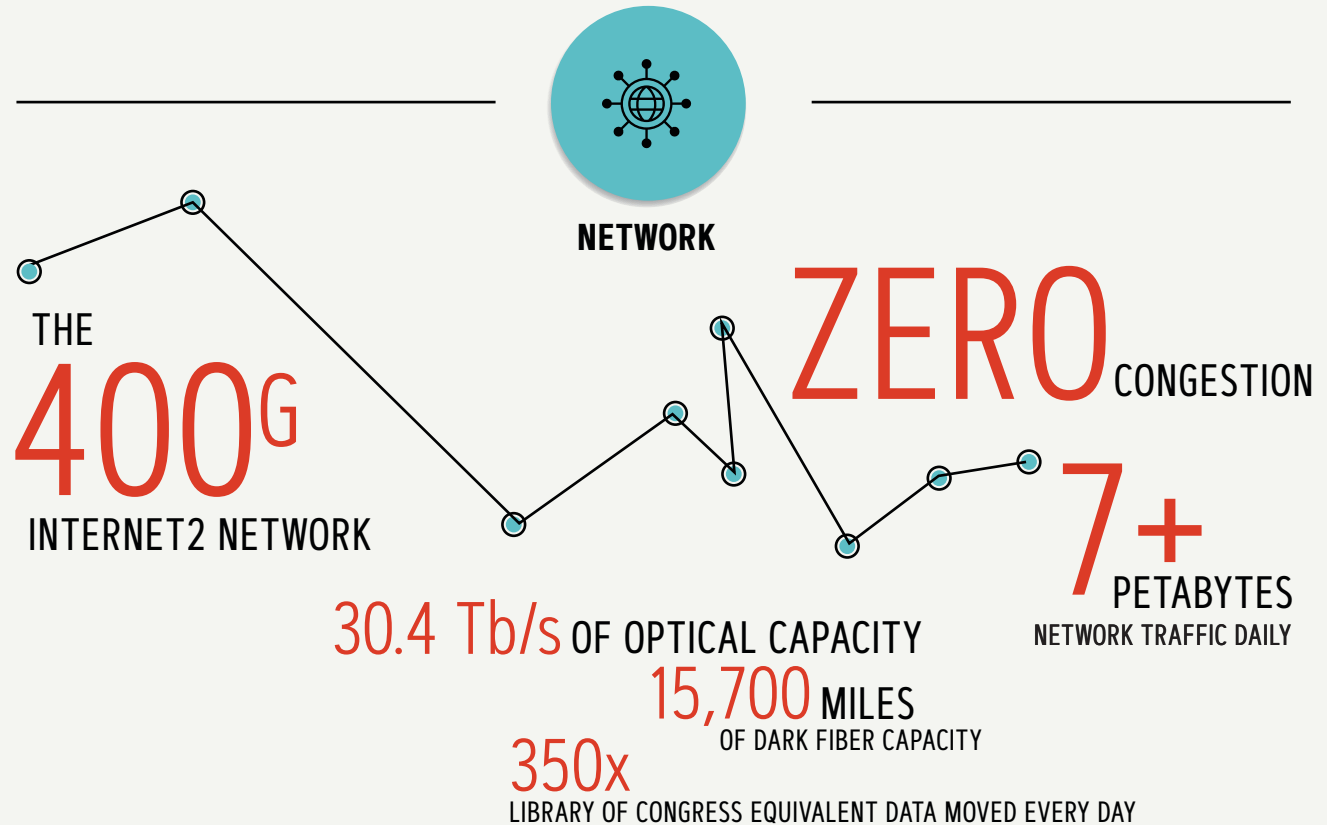
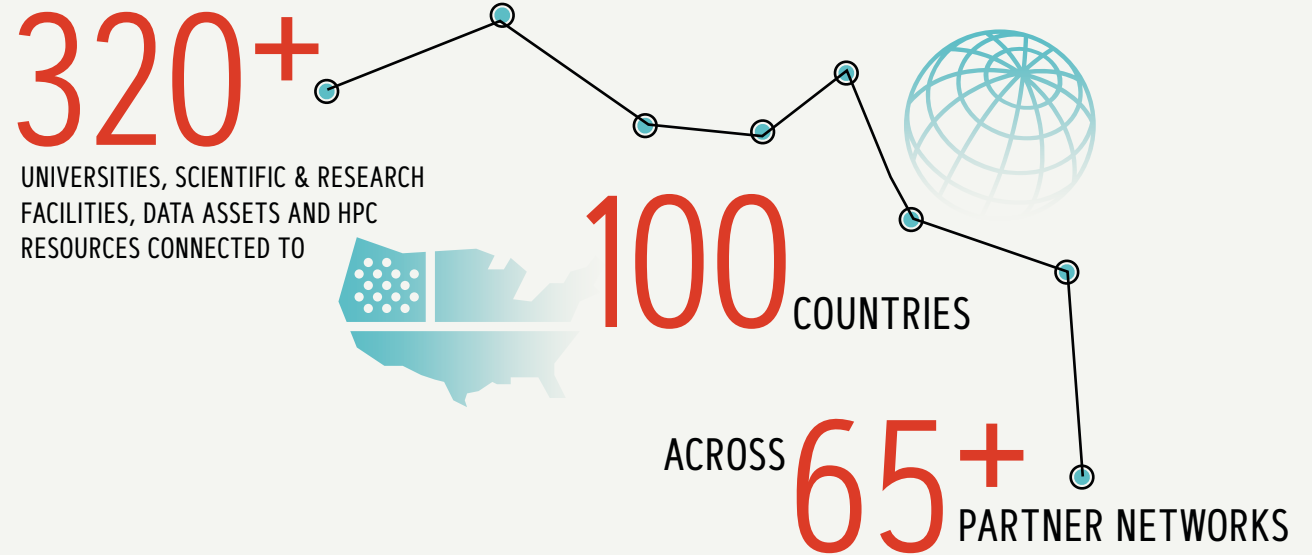
✓ Infrastructure Sharing

INTERNET2 PROVIDES:

→ **the richest virtual R&E experience available**
by leveraging the largest and fastest national R&E network.

→ **the most network flexibility and agility available** built for limitless, unanticipated challenges.

[Learn More →](#)



Global High-speed, Roaming Wi-Fi Service

for your researchers, students and staff wherever they are located



NETWORK

ACROSS **70**
COUNTRIES



All of your institution's users have seamless, secure and fast internet connectivity across campuses and millions of access points across the globe using your home institution's credentials. And, you save precious resources by not provisioning guest Wi-Fi accounts.



Integrated Cloud Services & Capabilities

designed by and for the R&E community



CLOUD

SIMPLIFYING
Direct Access to
Cloud Providers with
Cloud Connect

SPEEDING
Deployment of
Integrated & Customized
Cloud Services
with NET+

ACCESSING
Cloud Resources &
Collaborators with
InCommon
Single Sign-on

SUPPORTING
Research & Enterprise
with Cloud Grants
& Credits

SHAPING
New Cloud
Capabilities in
collaboration with
federal agencies

✓ Cloud Access

✓ Best-in-class Cloud Services

✓ Pre-Negotiation

✓ Emerging Initiatives

✓ Peering Capabilities

✓ Security & Accessibility Validation

✓ Cloud Risk Reduction

✓ Rapid Private Interconnect

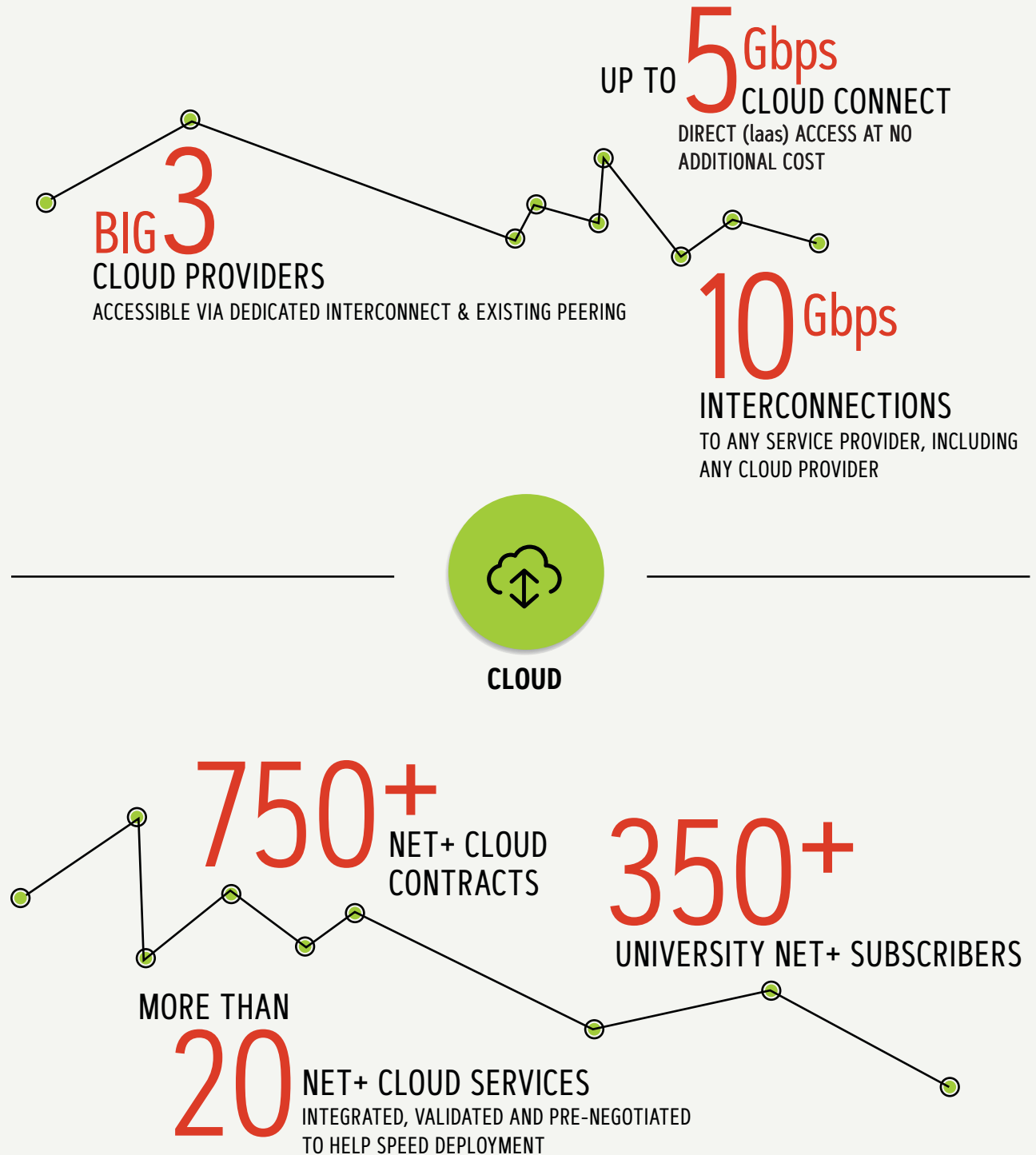
✓ Integration & Optimization

✓ Enterprise Support

INTERNET2 PROVIDES:

- **easier and more secure access to the largest cloud providers** to improve operations, increase capabilities and quickly ramp-up for evolving needs.
- **accelerated deployment of cloud services** that are designed and customized by peers for rapid adoption, minimized risks and costs and maximum efficiencies and performance.

[Learn More →](#)



20+ Leading Cloud Services

chosen by Internet2 members and tailored for R&E



CLOUD



- Acquia
- LabArchives
- Amazon Web Services
- LastPass
- Blackboard
- Mitel/CenturyLink SIP Services
- Brightspace Learning Environment
- Panopto
- Canvas
- ServiceNow
- Code42
- SkySync
- DocuSign
- Splunk Enterprise On Premise
- Dropbox Education
- Zoom
- Duo Security
- Google Cloud Platform

Supporting the R&E Community in the Cloud



CLOUD

Networking for the Cloud



Simplified Direct
Access to
Cloud Providers

Secure Access to the Cloud



InCommon Academy

Cloud Access with
Secure, Trusted
Single Sign-On

Training & Workforce Development



Cloud Learning &
Skills Sessions

Services, Procurement & Community Engagement



Customized
& Integrated
Cloud Services

Enabling Research & Science for Computing Professionals



Exploring Clouds
for Acceleration
of Science

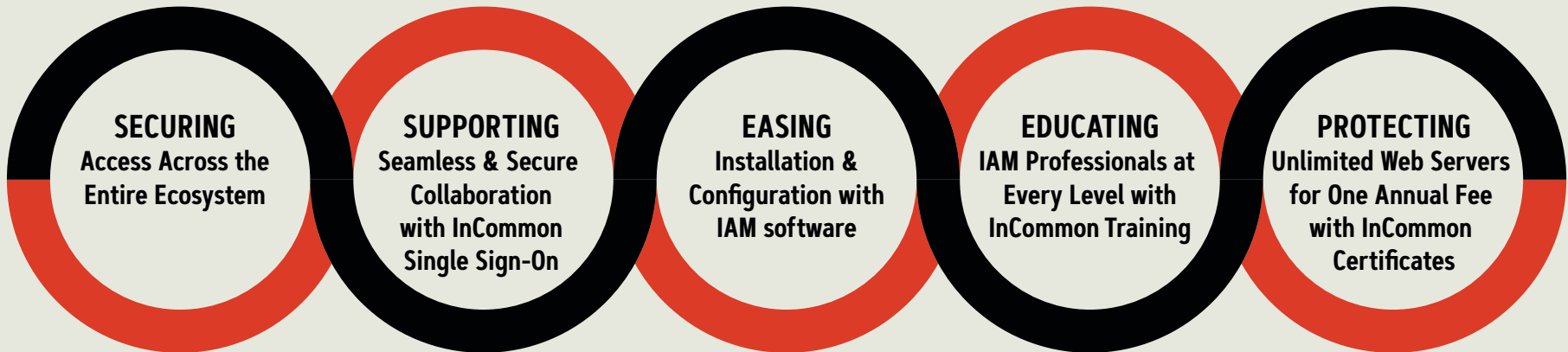
InCommon-IAM

Identity & Access Management Suite

community-developed and collaboration-ready



SECURITY



- ✓ Secure SSO Access
- ✓ Single Credential
- ✓ Shibboleth, Grouper, COmanage, midPoint

- ✓ Trusted Federation
- ✓ Global Cloud Services Access
- ✓ Straightforward Installation & Configuration

- ✓ Integrated & Sustainable
- ✓ Guest Account Access
- ✓ Collaboration-Ready Trust Framework

INTERNET2 PROVIDES:

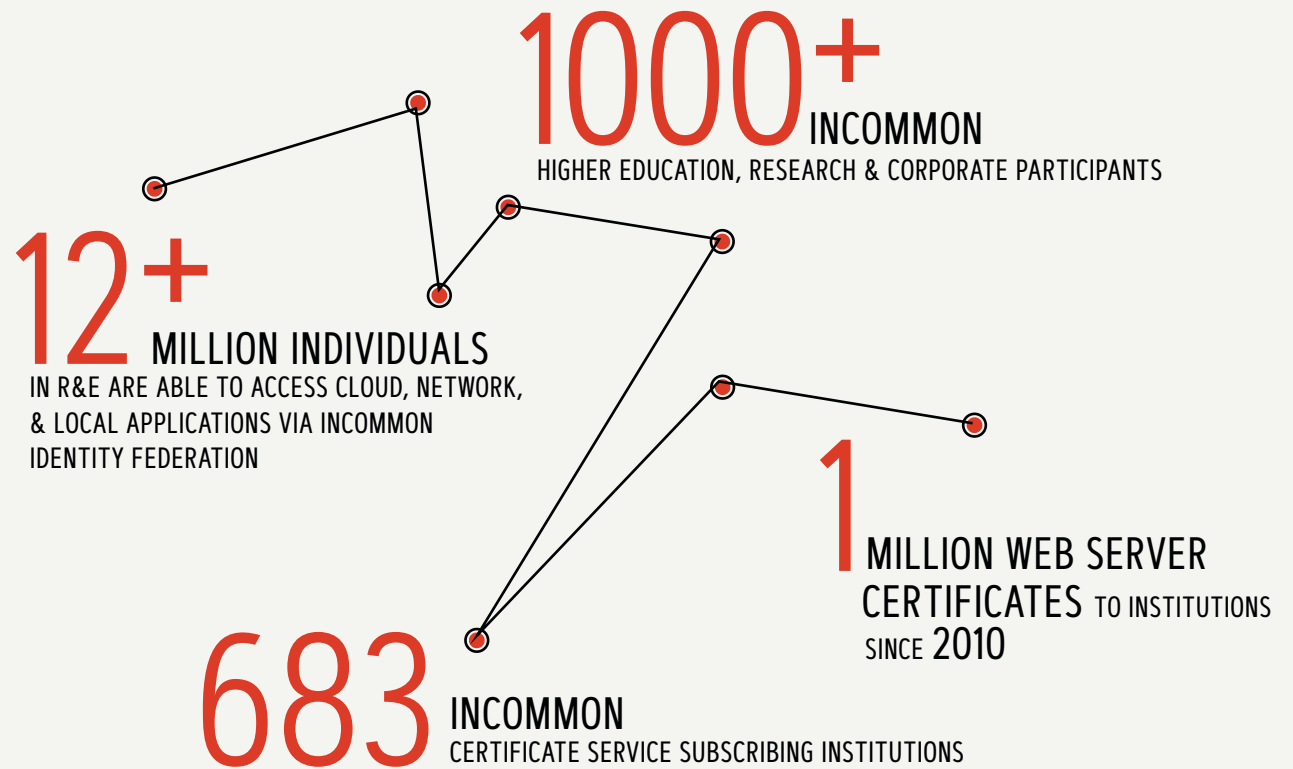
→ **simplified and trusted single sign-on access**

for every user in your ecosystem through InCommon's community-developed, collaboration-ready identity and access management suite. Your users access trusted single sign-on capabilities to collaborate with millions of people and thousands of applications.

→ **Cloud security, performance & analytics, and routing security programs**

help campuses keep cloud information secure, identify problems, and get the latest on routing security issues.

[Learn More →](#)



SECURITY

InCommon
CERTIFICATES

InCommon

InCommon
FEDERATION

Engage in a Community

of scholars, scientists, industry, government and more



COMMUNITY

PARTICIPATE
with Passionately
Collaborative Peers,
Partners in
Initiatives

BENCHMARK
Solutions & Insights
from Peer
Institutions

SHAPE
Internet2 Programs,
Solutions &
Deliverables

COLLABORATE
with Research
Computing, Federal
Agencies, Labs &
Industry

CONNECT
with Members-Only
Working Groups,
Events &
Governance

✓ Innovation in Action

✓ Community-Designed Solutions

✓ NSF, NIH, NASA, NOAA,
Smithsonian

✓ Reduced Rates for Internet2 Events

✓ Global Computational Science

✓ Receive Research Support

✓ Leading-Edge Staff Skill
Development

✓ International Collaboration

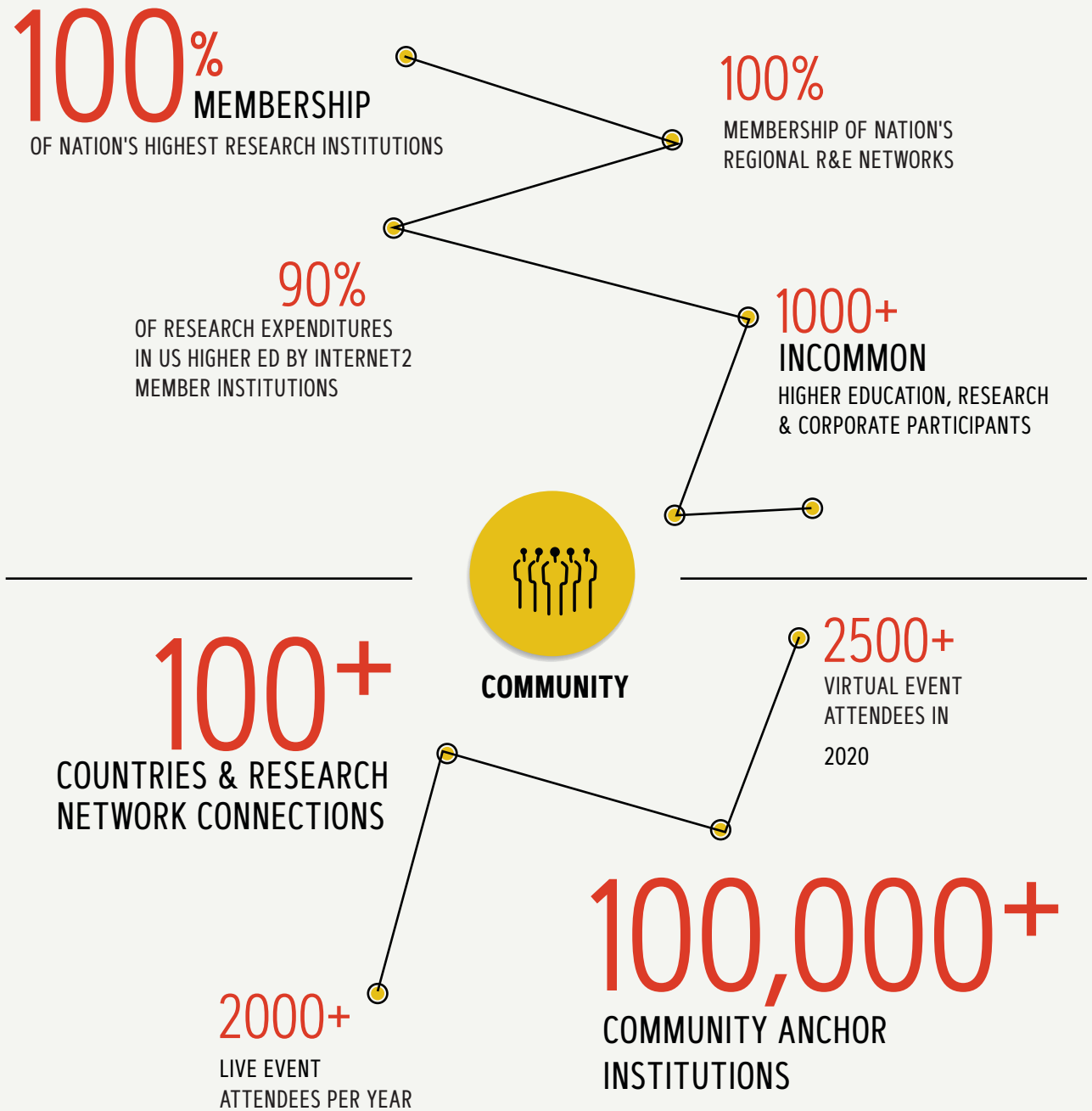
✓ Support R&E Mission

✓ Set Direction with Board &
Program Advisory

INCREASE IMPACT:

→ **and knowledge from the power of community,** and support the work of your researchers, students and faculty as you collaborate, benchmark, share strategic insights and apply the most advanced technologies, services and partnerships available.

[Learn More →](#)



PARTICIPATE AS:

→ **co-developers, co-investors and co-owners** ensuring your institution's technologies are always optimized for what's next—no matter how the world changes. Your needs are well-understood and factored into every Internet2 offering due to the high level of collaboration among members, industry partners and the broader R&E community.

[Learn More →](#)

COUNTLESS

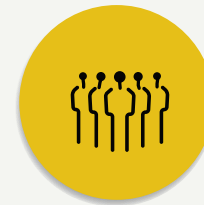
DAILY VIRTUAL COLLABORATIONS

3500+ PEERS

PARTICIPATING IN WORKING GROUPS & ADVISORY GROUPS

90+ PEERS SERVED ON BOARD OF TRUSTEES

180+ WORKING & ADVISORY GROUPS



COMMUNITY



Members Find Dollars & 'Sense' Value in Internet2

INTERNET2 MEMBERS RECEIVE THE BENEFIT OF A NATIONAL NETWORK FOR A **FRACTION OF THE TOTAL COST**

INTERNET2 MEMBER INSTITUTIONS HAVE DATA EGRESS **FEES WAIVED** FOR AWS, GCP AND AZURE

WITH EDUROAM, INSTITUTIONS SHARPLY **REDUCE ADMINISTRATION COSTS** FOR WI-FI USER SUPPORT

EDUROAM CAN BE LEVERAGED FOR 10 CENTS PER STUDENT PER YEAR, AND **NO COSTS** FOR INTERNET2 HIGHER EDUCATION MEMBERS



A

FTE: APPROX. **2,500** STUDENTS

INTERNET2 MEMBERSHIP: **\$12,154** | Minimum sustaining contribution



WITH 1 NET+ SERVICE SUBSCRIPTION
POTENTIAL SAVINGS **100%** of membership costs



B

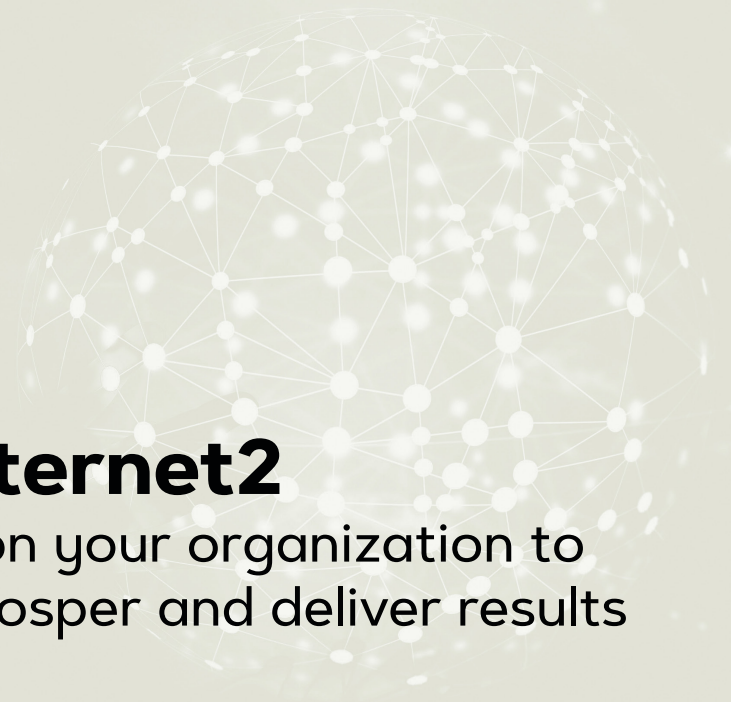
FTE: APPROX. **30,000+** STUDENTS

INTERNET2 MEMBERSHIP: **\$100,425** | Maximum sustaining contribution



WITH 1 NET+ SERVICE SUBSCRIPTION
POTENTIAL SAVINGS **35%-65%** of membership costs
WITH 2 NET+ SERVICE SUBSCRIPTIONS
POTENTIAL SAVINGS UP TO **100%** of membership costs

—for example purposes—



With Internet2

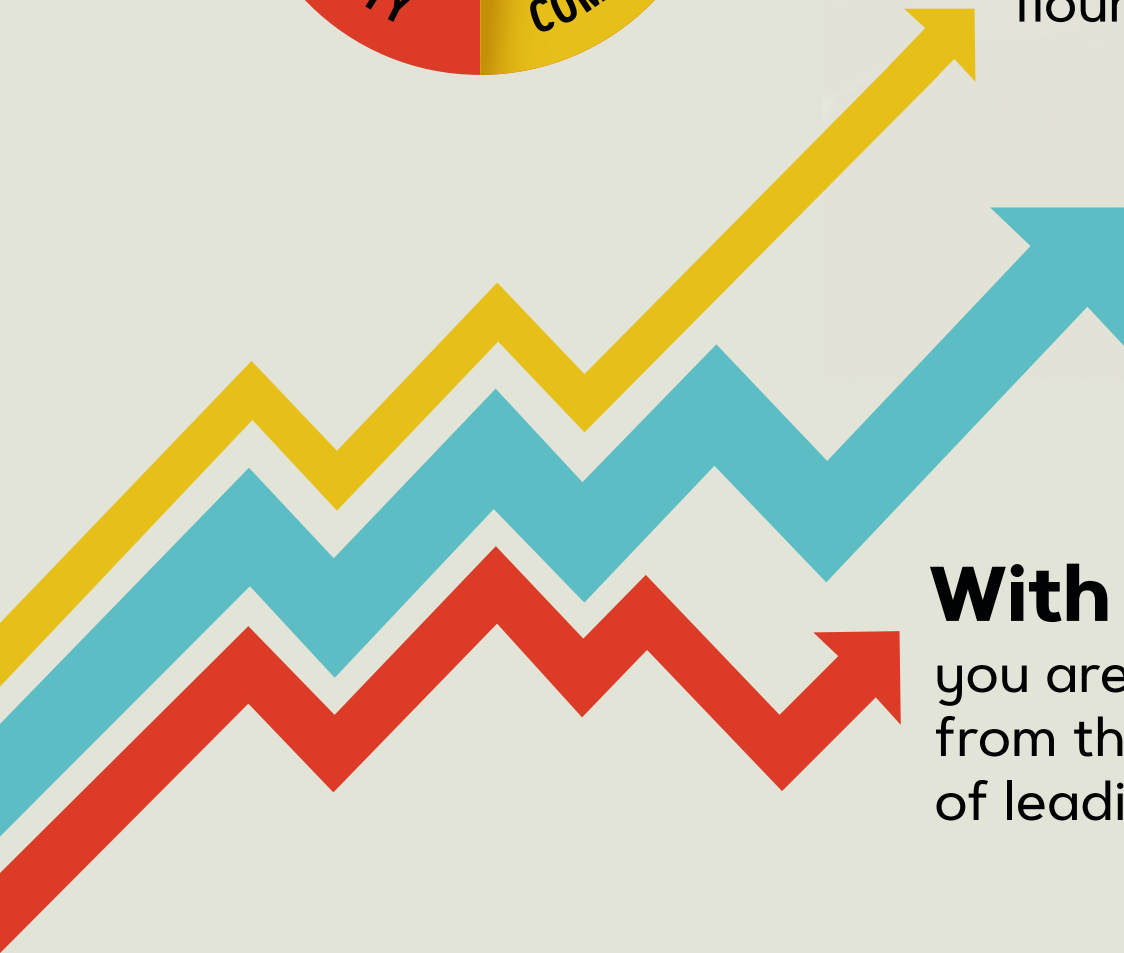
you position your organization to flourish, prosper and deliver results

With Internet2

you have access to the most advanced, agile, flexible and efficient technology platforms available

With Internet2

you are part of a community born from the interests and core needs of leading universities



Resources

Learn More



NETWORK

Learn More



CLOUD

Learn More



SECURITY

Learn More



COMMUNITY