

# Strategic Plan 2017 - 2018

*2017 Progress Report*

*“Collaboration - The key to  
Development and Success”*

## A National Education Network for Shared ICT Services



### National Network

HEAnet provides high speed, resilient Internet connectivity and associated ICT services to education and research organisations throughout Ireland:

[www.heanet.ie/the-network](http://www.heanet.ie/the-network)



### Global Connectivity

HEAnet also provides its clients with international connectivity via GÉANT - the pan-European network; facilitating research collaboration around the world:

[www.geant.org](http://www.geant.org)



### HE and Research Services

HEAnet provides an extensive portfolio of shared services; delivering economies of scale and more cost-effective ways of working for the education and research community:

[www.heanet.ie/services](http://www.heanet.ie/services)



### Schools

HEAnet provides Internet connectivity and associated services to all primary and post-primary schools in Ireland:

[www.heanet.ie/schools](http://www.heanet.ie/schools)



### EduCampus

EduCampus Services, a subsidiary of HEAnet, provides MIS shared services to the higher education sector:

[www.educampus.ie](http://www.educampus.ie)

## Contents

Message from the Chief Executive	2
About HEAnet	3
Introduction to Annual Review & Renew 2017	4
Revision & Development of our Strategic Goals	5
<b>HEAnet's Strategic Goals, Targets and Progress</b>	<b>6 - 15</b>
HEAnet Client List	16
HEAnet Network Infrastructure	17

## Message from the Chief Executive

**“Our vision is clear - we want Ireland to realise its potential through technology in education. We would like HEAnet to be the vehicle to achieve that”**

One of our key challenges is identifying common solutions to our clients' differing needs across the spectrum of cloud-based services. This can only be successfully achieved through real partnership and collaboration between HEAnet and its clients. This collaboration and executive sponsorship is critical for us in delivering on our mission, while playing a key role in the education and research sector.

The true meaning of shared services is what can be totally shared and this is applicable across the entire sector. This means understanding common goals and avoiding potential pitfalls that could appear if attempting to solve problems for one or two institutions in isolation. We are committed to an ongoing review of our services portfolio and will add and remove services as appropriate to ensure that we are meeting the needs of our entire client community through the delivery of common, repeatable and shareable solutions.

We believe that opportunities exist in the area of common, repeatable and shareable solutions, such as ICT security. Looking to the future, we want to ensure that HEAnet continues to develop new services with sector-wide potential. We would like to align more closely with the National Shared Services Office's strategy to ensure that we are incentivising the use of our services so that they make sense, are in demand and can be availed of by all of our clients.

Our staff's commitment, enthusiasm and expertise has contributed to the development of a world-class network, supporting education and research in Ireland and becoming a trusted partner for our clients. Our vision is clear – we want Ireland to realise its potential through technology in education and we would like HEAnet to be the vehicle to achieve that.



Today, HEAnet stands as a valued provider of ICT shared services across all levels of the Irish education and research sector, serving client needs in a trusted, collaborative, delivery oriented and cost-effective manner.

**Kerrie Power,**  
CEO, HEAnet



## About HEAnet

**HEAnet is Ireland's National Education and Research Network, providing Internet connectivity and shared ICT services to educational and research organisations throughout Ireland.**

HEAnet's ICT services underpin academic research and education activity in Ireland with just over one million people (210,000 third-level students & staff and 800,000 first and second-level students & staff) relying on the HEAnet network each day for their learning and research needs.

It is HEAnet that connects these Irish based learners and researchers to the Internet, on-line educational resources, and to fellow national educational and research networks in Europe and the rest of the world.

The company was established in 1983 by the Irish Universities with the support of the Higher Education Authority (HEA). Since its incorporation in 1997, it has successfully provisioned a robust 100 Gbps capable, high-bandwidth network connecting all Irish Universities, Institutes of Technology, other higher education institutions (HEIs), research organisations, and all primary and post-primary schools across Ireland.

HEAnet is guided by the principles of integrity, openness & transparency and collaboration & enthusiasm. It is also client focused service centric, delivery oriented and innovative.

HEAnet is in its 20th year of existence and has developed a culture of openness where everyone is expected and encouraged to contribute positively to the success of the company. We are proud to have a workplace that supports equal opportunities for all and where the company's policies and procedures lend for a safe environment for all roles to develop and be successful. As a company, we value our employees and strive to maintain a workplace that gives everyone opportunities to work with challenging and cutting edge technology as well as providing opportunities for further enhancement in the form of training, professional development and educational assistance.

HEAnet is publically funded through the HEA, the Department of Communications, Climate Action and Environment (DCCAE), the European Commission (EU) and its third-level sector client charges.

Value for money remains at the heart of the HEAnet operation and we are committed to delivering common, repeatable and shareable solutions to support the ICT needs of our client community.

## **Introduction to Annual Review & Renew 2017**

The current HEAnet strategy covers the two year period 2017 - 2018 with a fundamental review to take place in 2018.

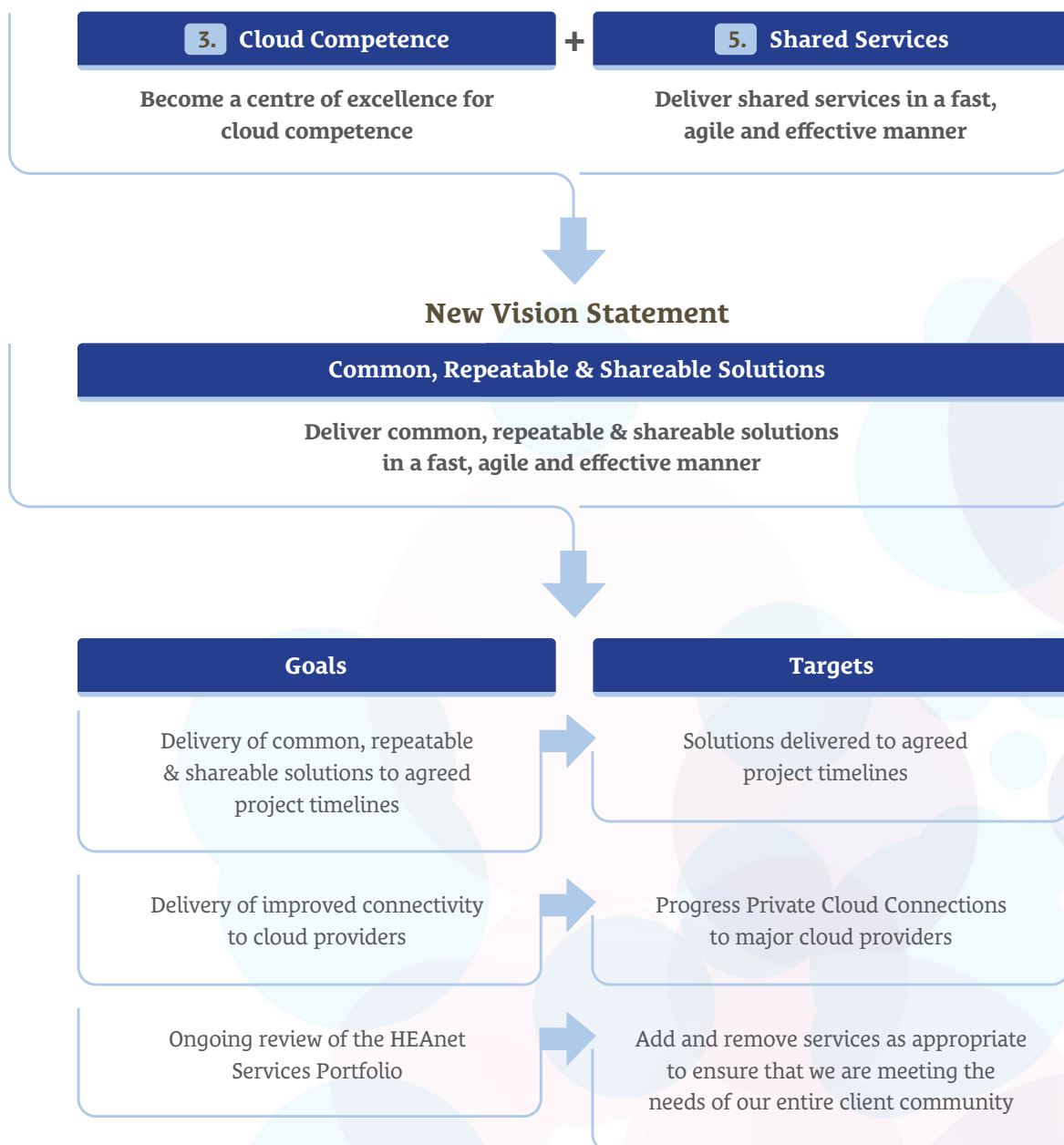
This report provides an update on the revision and development of our strategic goals, as well as an update on progress made during 2017 against the delivery of our strategic goals and targets.

HEAnet have adopted a rolling planning strategy model and this allows us to be flexible and responsive to the dynamic environment in which we operate and will incorporate an annual review and renew process.



## Revision & Development of our Strategic Goals

The following vision statements will be combined into a single vision statement with updated goals and targets.

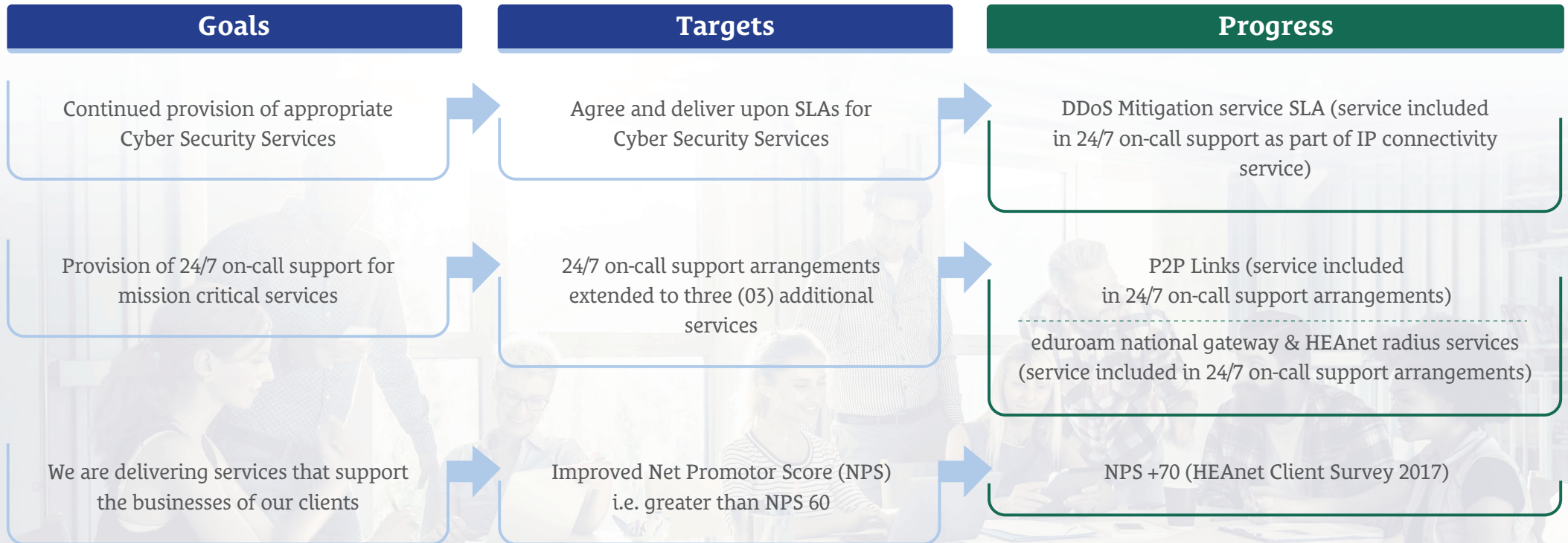


Progress against this new combined vision statement will be reported on in 2018.



## 1. Collaborative Partner

**Be a collaborative partner who delivers services intrinsic to the business of our clients**



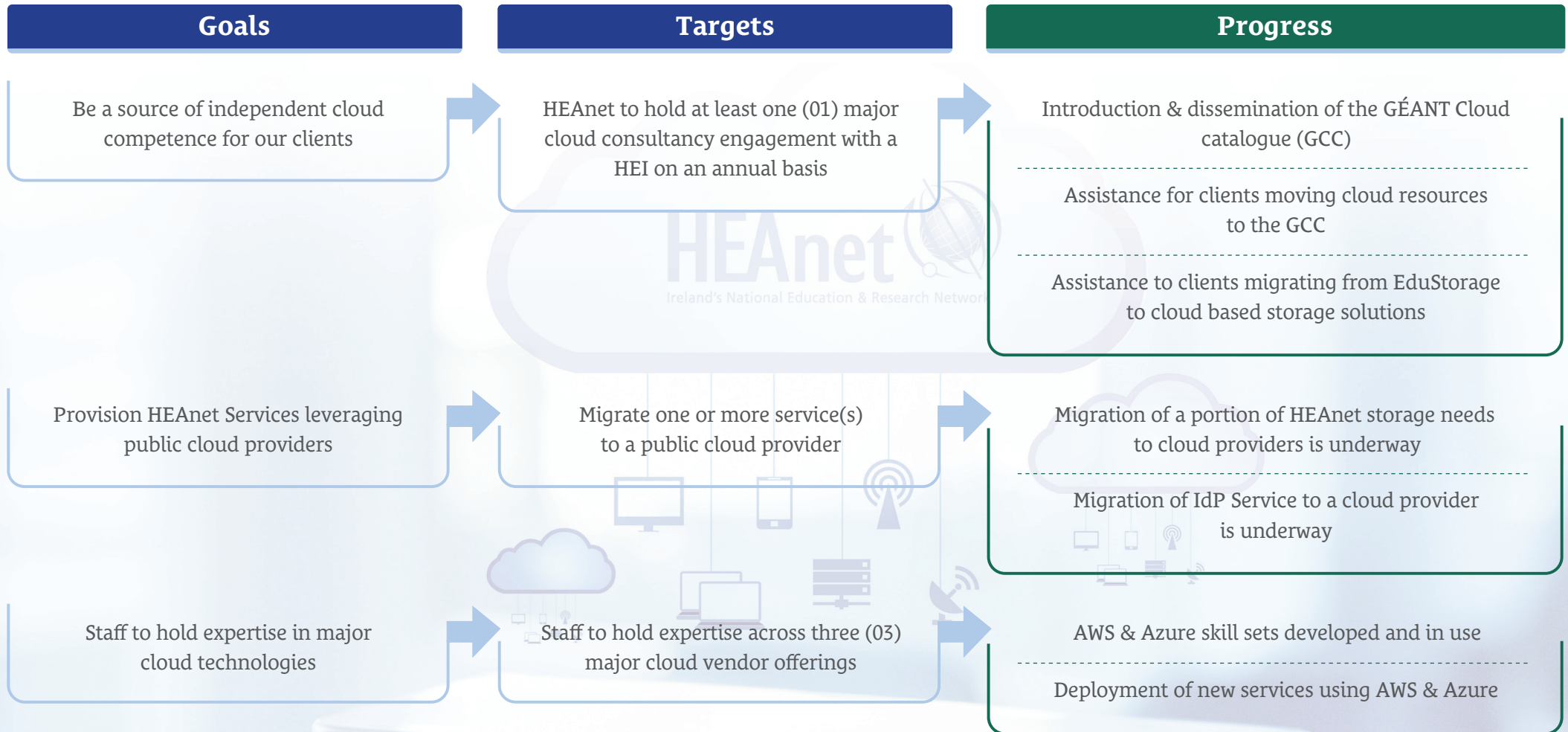
## 2. Trusted Provider

Continue to be the trusted provider of advanced networking and infrastructure services on a value for money basis

Goals	Targets	Progress
Replacement of HEAnet Metropolitan Area Network Equipment (RMAN) to deliver advanced networking services	Clients using edge-to-edge advanced Ethernet services in 2018 Old network decommissioned and removed in 2018	RMAN project underway & scheduled for completion in Q3 2018
Integrate public cloud infrastructure services with client requirements and existing/emerging HEAnet services	Facilitate connectivity with cloud providers Trial use of public cloud for Disaster Recovery services by Q3, 2017	Rollout of monitoring & alerting services on public cloud Cloud infrastructure based IdP service Migration of storage resources to public cloud storage services Piloting Virtual Private Cloud Connections
Lead the delivery of advanced infrastructural services	Annual service plan circulated to clients in Q1 of relevant year Service infrastructure strategy revised by Q2, 2017	HEAnet Service Plan 2017 published in Q1 2017 HEAnet Service Plan 2018 published in Q4 2017 DDoS Mitigation Service protecting key assets for all clients Introduced the new Managed eduroam client service Wireless Guest WiFi service launched

### 3. Cloud Competence

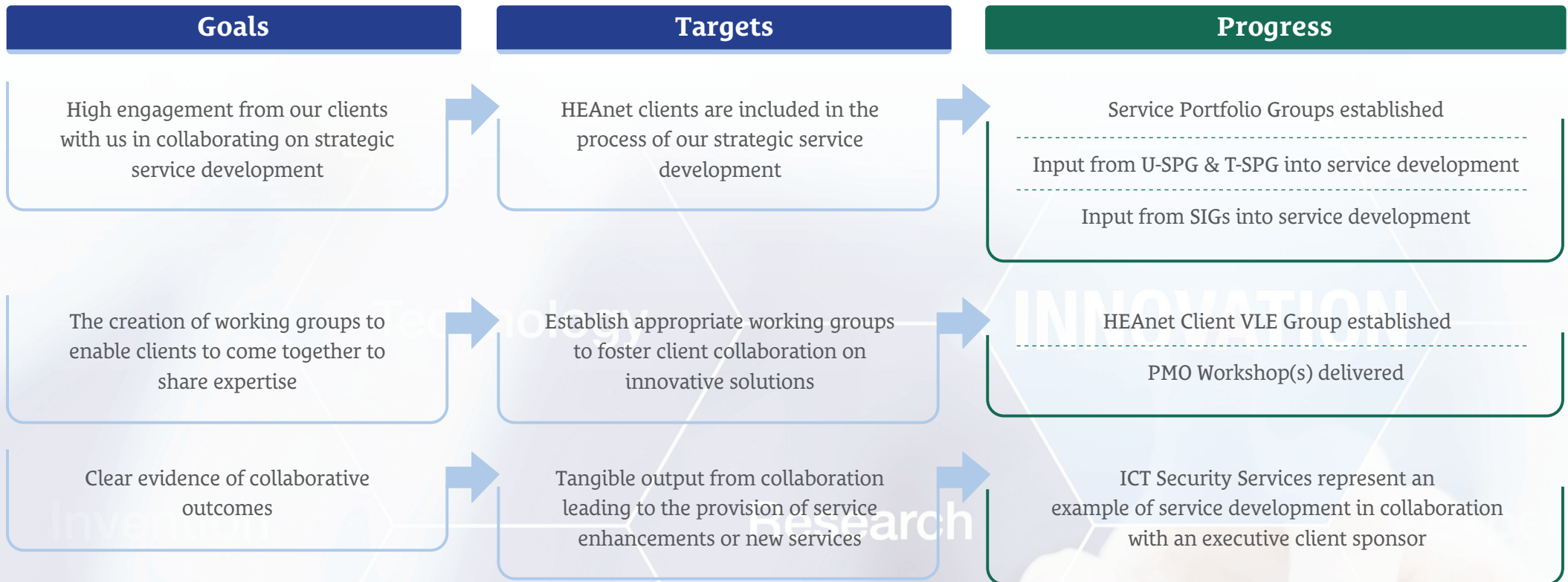
Become a centre of excellence for cloud competence





## 4. Innovative Solutions

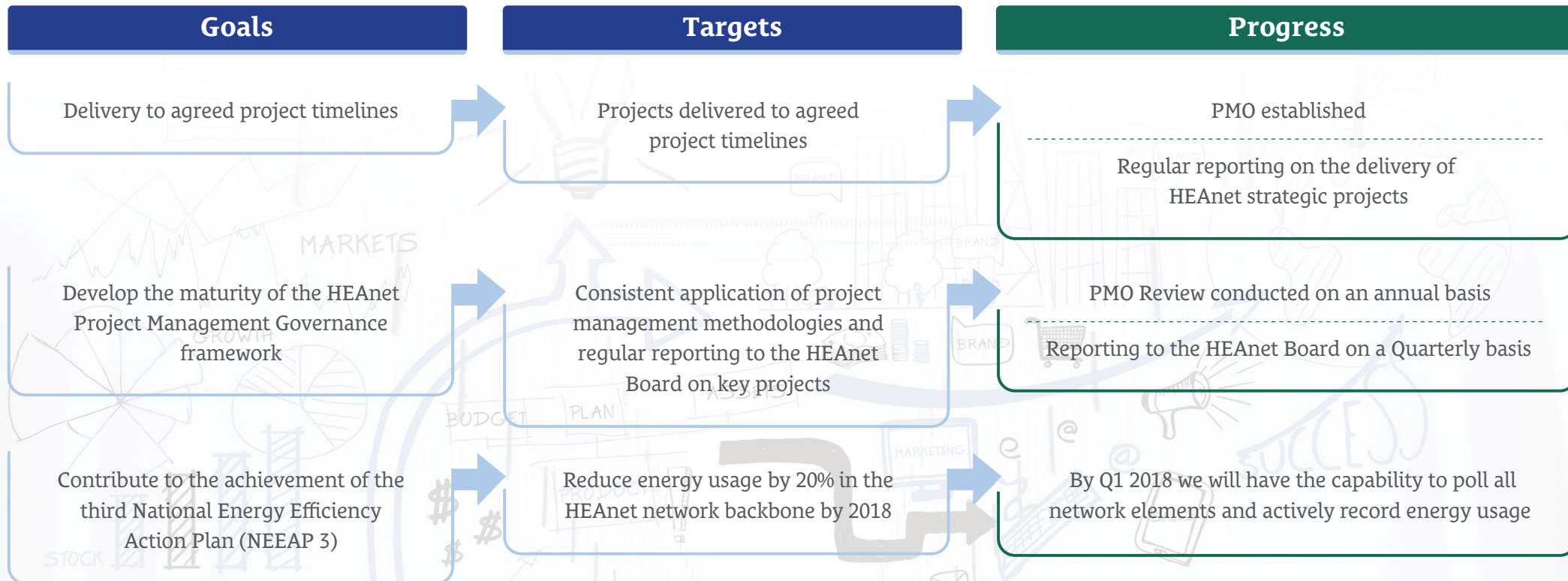
**Deliver opportunities for clients to collaborate  
on innovative solutions**





## 5. Shared Services

**Deliver shared services in a fast, agile and effective manner**



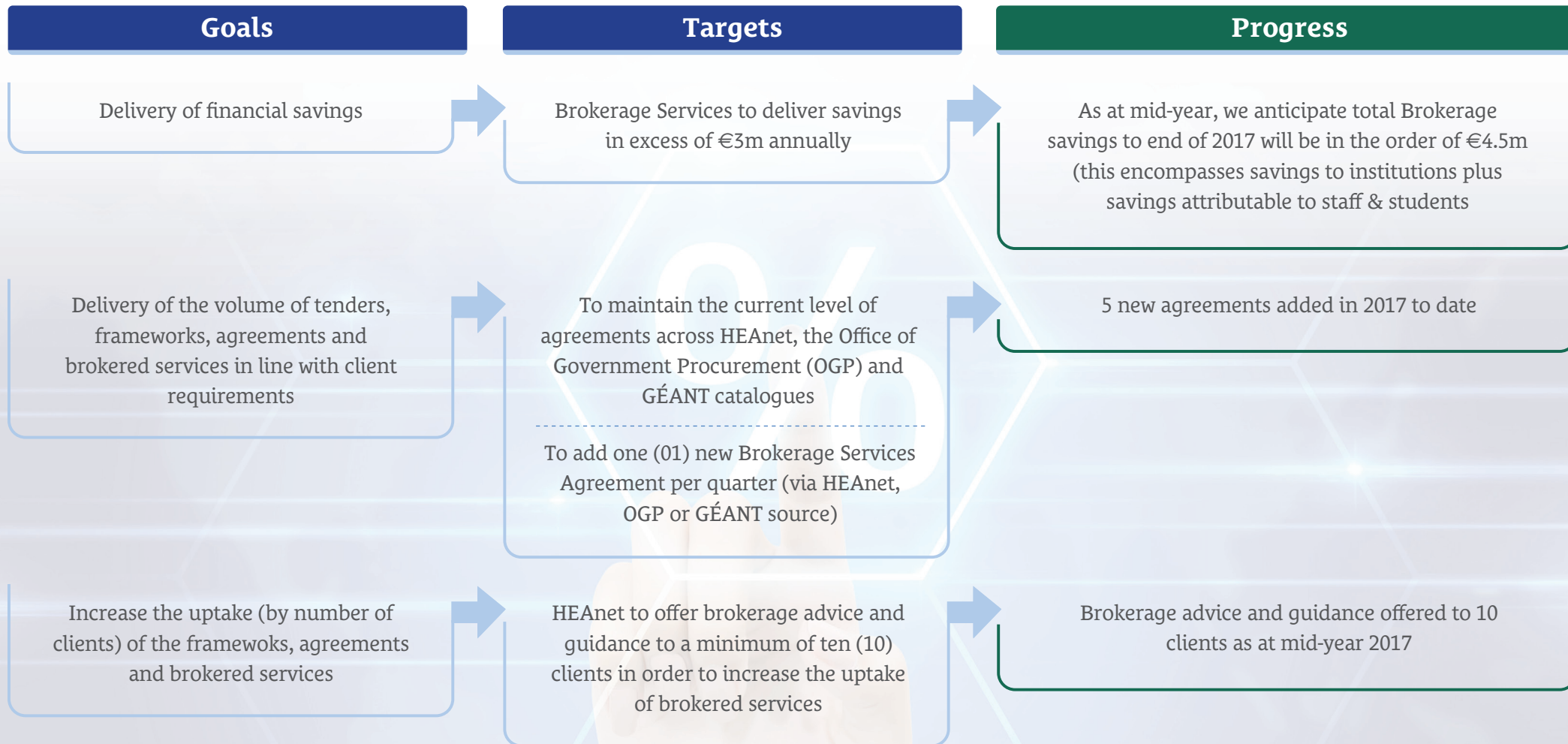
## 6. Identity Federation

**Be the driver of Identity Federation across the education and research sector and to develop the provision of extended expertise in the wider identity management domain**

Goals	Targets	Progress
Expansion of Edugate (eduGAIN) service across all HEAnet clients	Evidence a 10% increase in authentications (annually)	We are seeing a 15-20% increase in authentication levels over 2016 end-of-year figures
Edugate to support one (01) additional Single Sign-On (SSO) protocol (e.g. Open ID Connect) so as to attract new service providers	Implement one (01) additional SSO protocol across Edugate services	OpenID Connect (OIDC) protocol implemented and in production across Edugate services
HEAnet to provide extended services in the area of general Identity Management expertise	Deliver Identity Management best practice design for IS Services audience with external third-party support as appropriate	<div>Almost 1 million additional alumni accounts now covered by Edugate</div> <div>Alerting functionality added to find compromised accounts for clients availing of Managed IdP service</div> <div>Added the ability to catch expiring passwords during logon and warn users to reset them</div>

## 7. Brokerage

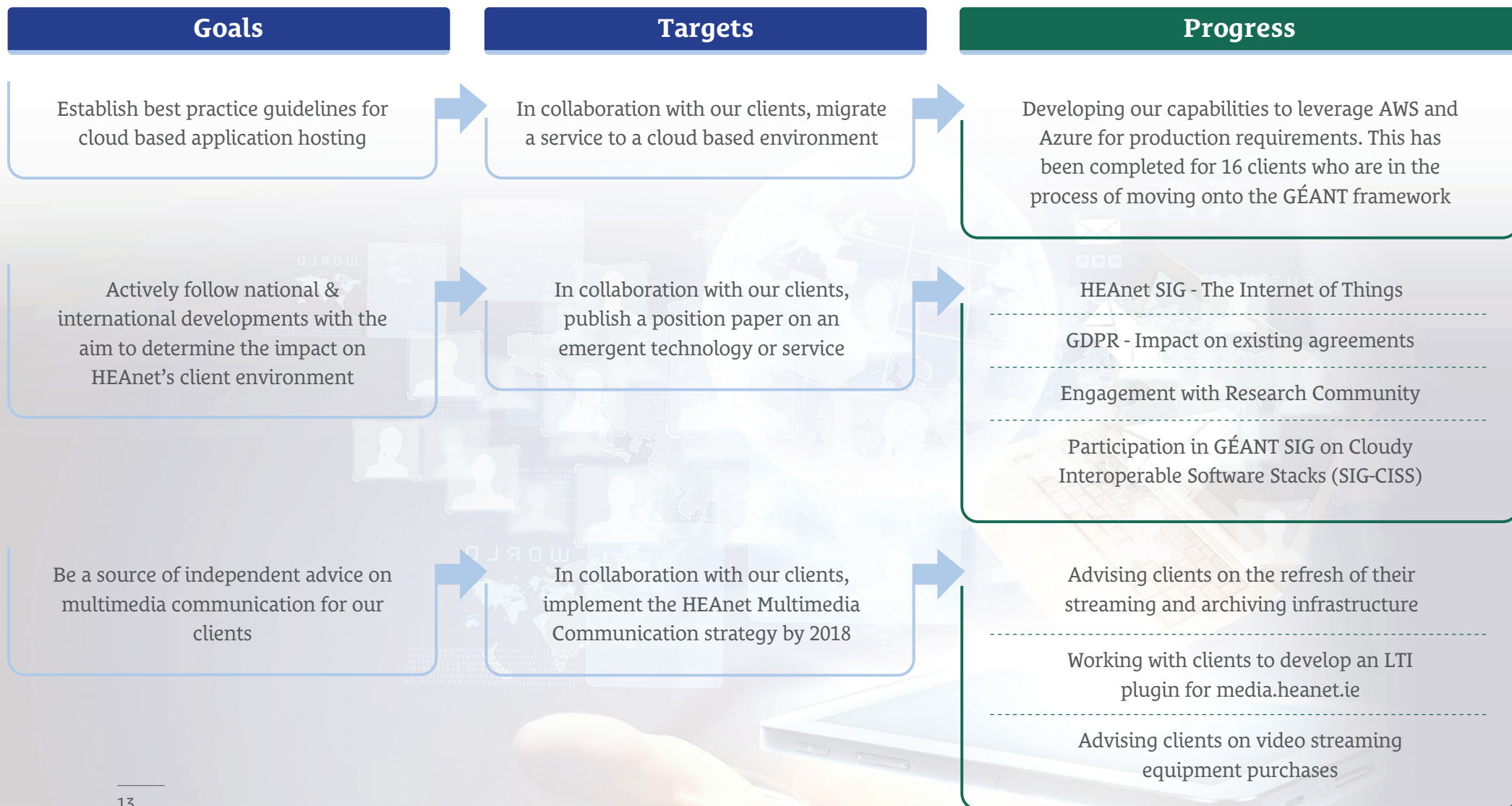
**Continue to be a key provider and broker of cost-effective procurement for the education and research sector**





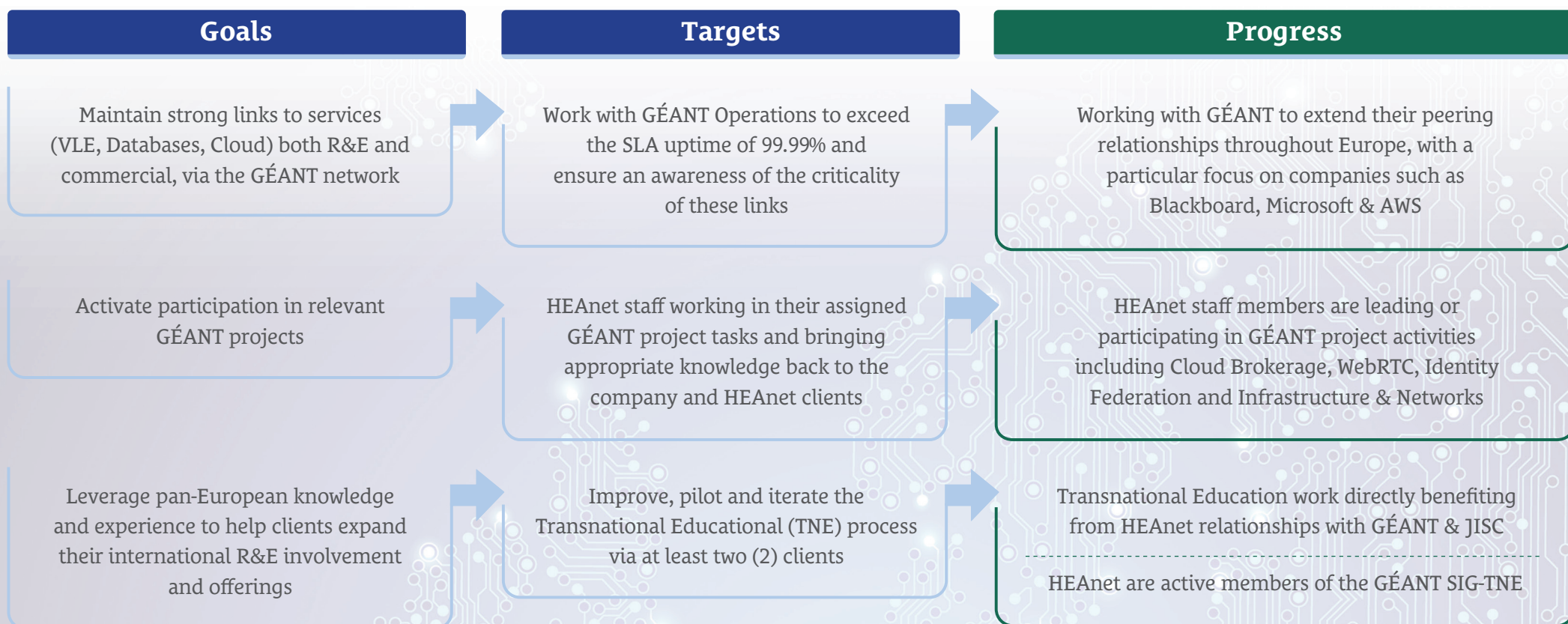
## 8. Key Advisor

### Be a key advisor on emergent and disruptive technologies



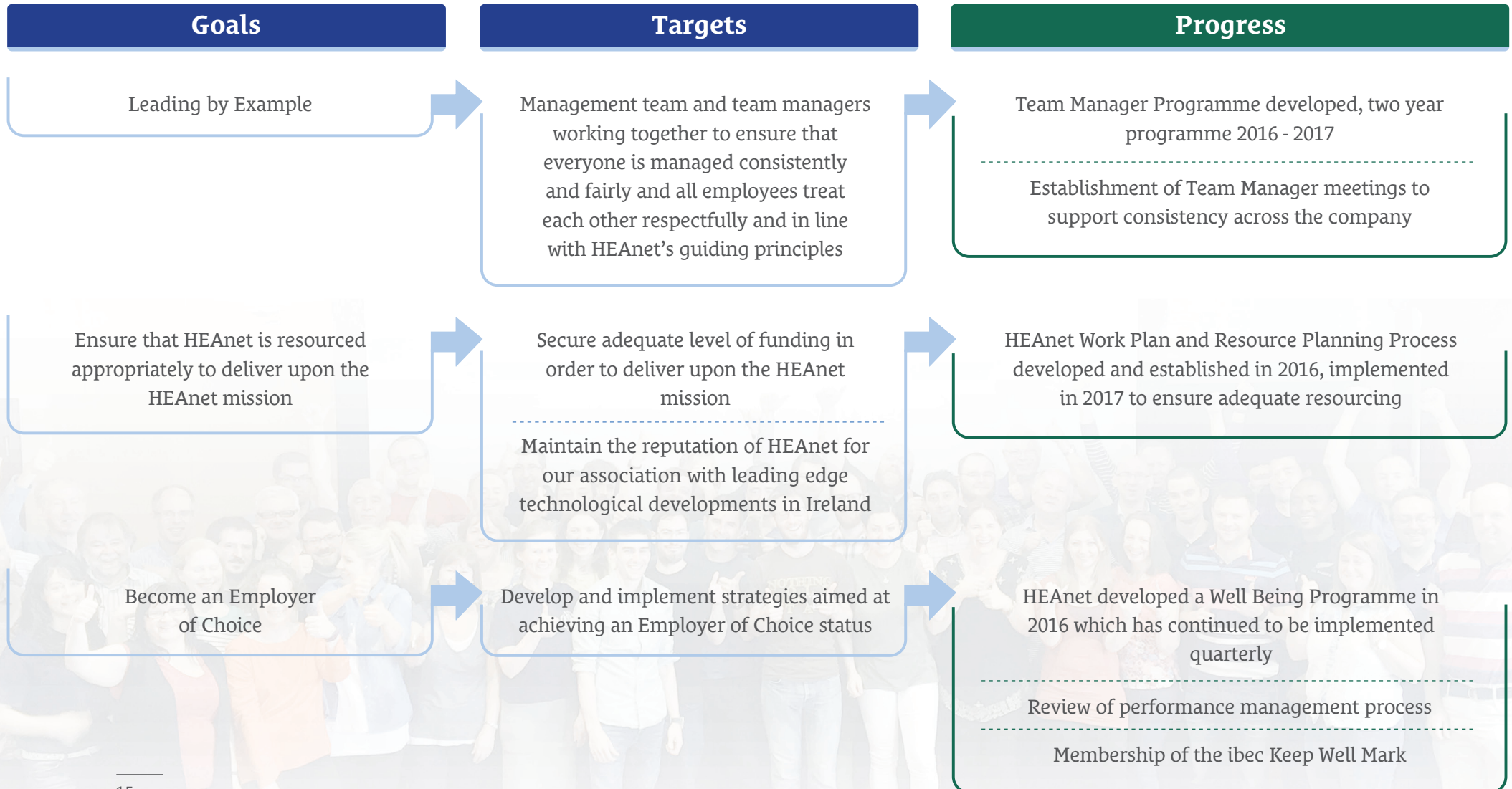
## 9. Conduit to Europe

**Be the conduit to Europe for the promotion of Irish education and research ICT interests and the trusted gateway to world-wide infrastructural services**

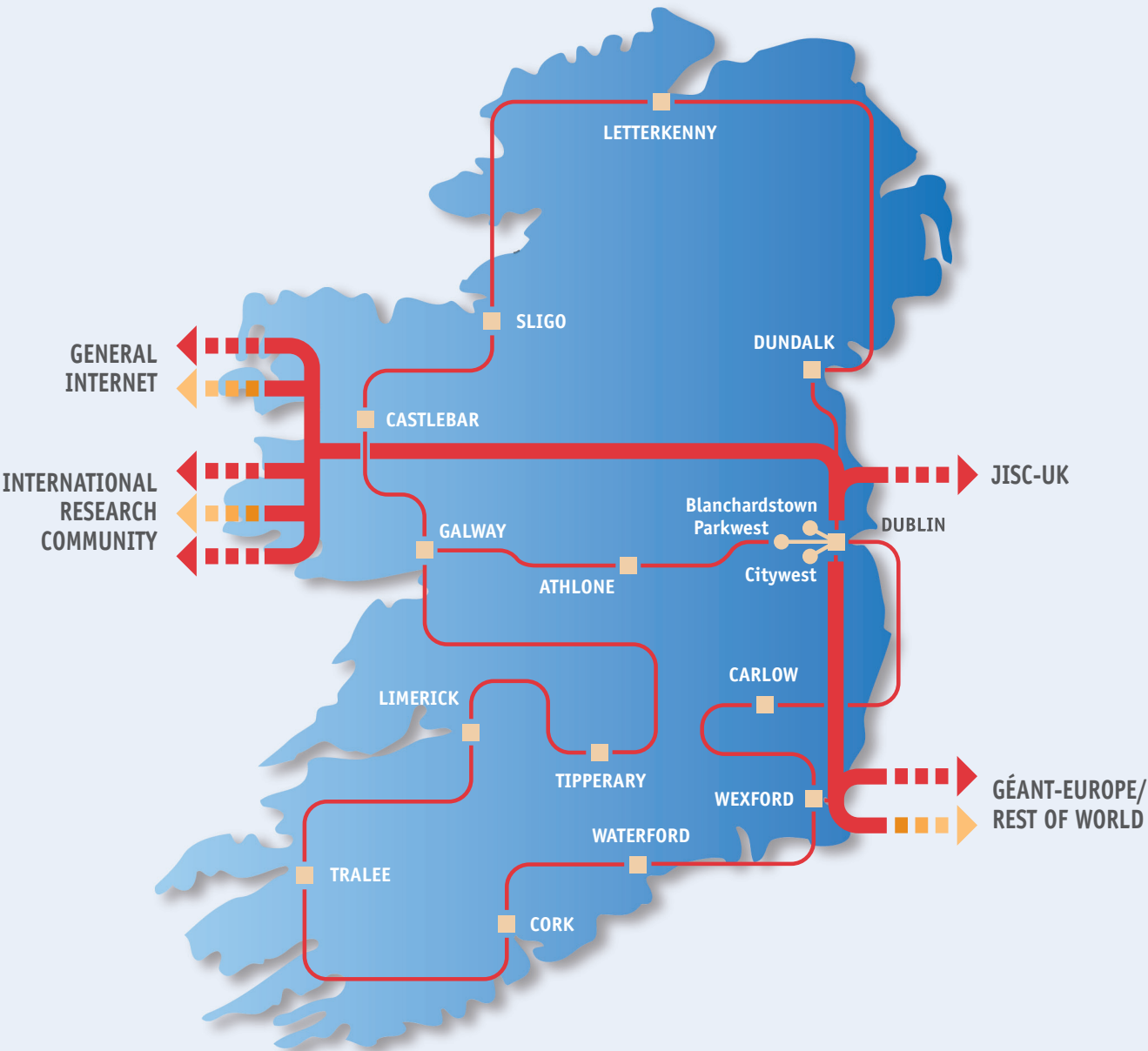


## 10. Excellent Place To Work

Be recognised as an excellent place to work



HEAnet Network Infrastructure





## HEAnet Client List

- Athlone Institute of Technology
- Ballyfermot CFE
- Carlow College
- Central Applications Office
- College of Anaesthetists of Ireland
- Cork ETB - Administrative Office
- Cork Institute of Technology
- Dublin City University
- Dublin Institute for Advanced Studies
- Dublin Institute of Technology
- Dundalk Institute of Technology
- Dun Laoghaire Further Education Institute / DFEI
- Economic and Social Research Institute
- Education & Training Boards Ireland
- EduCampus Services
- Environmental Protection Agency
- Galway-Mayo Institute of Technology
- Health Research Board
- Higher Education Authority
- Houses of the Oireachtas
- IE Domain Registry
- Irish Centre for High End Computing / ICHEC
- Institute of Art, Design and Technology Dun Laoghaire
- Institute of Public Administration
- Institute of Technology Blanchardstown
- Institute of Technology Carlow
- Institute of Technology Sligo
- Institute of Technology Tallaght, Dublin
- Institute of Technology Tralee
- Irish Prison Service
- Irish Universities Association
- Letterkenny Institute of Technology
- Limerick Institute of Technology
- Marine Institute
- Maynooth University
- Mountbellew Agricultural College
- National Cancer Registry, Ireland
- National College of Art and Design
- National College of Ireland
- National Digital Research Centre
- National Forum for the Enhancement of Teaching & Learning in Higher Education
- National University of Ireland
- National University of Ireland Galway
- PDST Technology in Education
- Post-Graduate Applications Centre
- Quality & Qualifications Ireland / QQI
- Royal College of Physicians of Ireland
- Royal College of Surgeons in Ireland
- Royal Irish Academy
- Royal Irish Academy of Music
- Smartbay Ireland
- St. Patrick's College, Thurles
- Technological Higher Education Association Ireland / thea
- Trinity College Dublin
- University College Cork
- University College Dublin
- University of Limerick
- Waterford Institute of Technology

### SCHOOLS

- **Broadband for Schools Programme**
- **Schools 100 Mbps Project**

4,000 primary and post-primary schools, through the Department of Education & Skills.

HEAnet Limited,  
5 George's Dock, I.F.S.C., Dublin D01 X8N7, Ireland.  
Tel: 01 660 9040. Email: [info@heanet.ie](mailto:info@heanet.ie)

[www.heanet.ie](http://www.heanet.ie)