



Giga: An initiative to connect every young person in the world to information, opportunity and choice

Giga Overview

A photograph of three young children, likely in a classroom, looking intently at a tablet computer. They are wearing school uniforms. The image is overlaid with text and a semi-transparent dark blue background.

RIGHT NOW

**Half of humanity does not
have internet access**

WHICH MEANS

**Those without internet today
will not have good jobs in the
future**



Giga: An initiative to connect every school to the Internet, and every young person to information, opportunity and choice

Giga is highlighted in the UN Secretary General's Roadmap for **Digital Cooperation** as a Key Way Forward to achieve **Universal Connectivity**.

RECOMMENDATIONS

1A: Every adult should have affordable access to digital networks

We recommend that by 2030, every adult should have affordable access to digital networks, as well as digitally-enabled financial and health services, as a means to make a substantial contribution to achieving the SDGs. Provision of these services should guard against abuse by building on emerging principles and best practices, one example of which is providing the ability to opt in and opt out, and by encouraging informed public discourse.

1B: Have a broad, multi-stakeholder alliance, involving the UN, create a platform for sharing digital public goods

We recommend that a broad, multi-stakeholder alliance, involving the UN, create a platform for sharing digital public goods, engaging talent and pooling data sets, in a manner that respects privacy, in areas related to attaining the SDGs.

The **Broadband Commission** Working Group on School Connectivity provides Advisory Group expertise to Giga.

What is it?

Key consultation group for Broadband Commissioners to provide advisory and advocacy guidance on the development of Giga

Will avoid potential conflict of interest in future phases of the Giga project that may involve procurement/implementation

Expectations from working group members

- Sharing experiences and case studies on existing large connectivity projects
- Sharing experiences on effective approaches for articulating connectivity with quality and inclusive learning
- Sharing experiences and case studies on ensuring the development of the right skills for employability
- Proposing an approach to articulate connectivity with quality and inclusive learning
- Identifying and exploring linkages with other related initiatives

Working Group on School Connectivity: Broadband Commissioners

- America Movil
- Columbia University
- Digicel
- Ericsson
- EUTELSAT IGO
- Facebook
- Global Partnerships Forum
- GSMA
- Huawei
- Inmarsat
- INTELSAT
- International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC)
- Internet Society-Kyrgyz Chapter
- ITSO
- ITU
- KT
- Microsoft
- MTN
- Novartis Foundation
- Rwanda
- UNCTAD
- UNESCO
- UNHCR
- UNICEF
- Verizon
- World Bank
- World Childhood Foundation
- World Wide Web Foundation

Working Group on School Connectivity:

External Experts

- ARM
- Artificial Intelligence for Development
- Bitfury
- Blue Like an Orange Capital
- Center for Innovation in Brazilian Education
- Centre for Vocational Education and Training Studies, Moscow
- Convergence Partners
- DBSA
- DIAL
- Directorate of Science, Technology and Innovation, Sierra Leone
- European Schoolnet
- Fundación CEIBAL
- Global Partnership to End Violence Against Children
- Government of Kenya
- Government of Niger
- IADB
- IEEE
- Institute for Development and Economic Affairs, Kazakhstan
- Instituto de Informática Educativa
- Intel
- LAMAP Foundation
- NetHope
- New York Academy of Sciences
- New York University
- Norad
- Olin College of Engineering; Akash Systems
- People Centered Internet
- PowerSchool Group, USA
- Regional Center for Studies on the Development of the Information Society – Cetic.br
- Royal Holloway University of London
- Seoul National University, Korea
- Singapore University of Social Sciences
- Smithsonian Science Education Center
- Social Accelerator for a Green Economy (SAGE)
- Softbank
- Teach for All
- Telecom Infra Project
- Telefónica Foundation and ProFuturo Foundation
- UNESCO-UNEVOC
- United Nations Economic Commission for Africa (ECA)
- University of Johannesburg, South Africa
- University of Pennsylvania
- University College London
- Virgin Orbit
- Wikimedia Foundation

Giga is a convener

Giga acts as convener between **funding opportunities** and **connectivity projects** for schools in disconnected areas and, ultimately, their communities.

Funders and Supporters



Giga helps funders hold governments and providers to account through clear target-setting and timeline management

Giga



Partner Countries



Giga provides grants and technical advisory services to help governments in project preparation

Providers



Giga enables relevant regulation, and establishes & shares best practices in mapping connectivity demand, identification of funding, project preparation, project delivery and post-delivery device adoption and empowerment

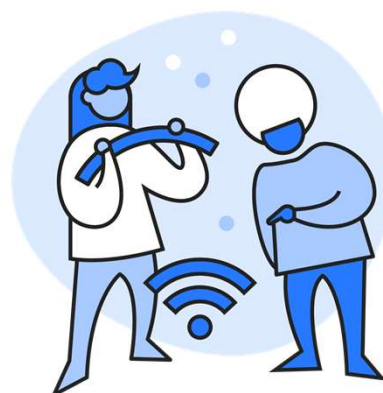
Engaging with Giga



Map schools to identify connectivity gaps



Build affordable and sustainable **Finance** models



Implement fit-for-purpose infrastructure to **Connect** schools and ultimately every community and every citizen



Empower learning and other skills and services via appropriate Digital Public Goods

VALUE PROPOSITION

What does Giga add?

UNICEF, ITU, and strategic partnerships with Government and Private Sector

Highlights

- Country Plans w/ every govt
- Support to COVID-19 response with connectivity and remote learning solutions
- Research to develop financial models to fund connectivity

Ability to layer public and private money (i.e. GAVI++)

- National Budgets (Education, Health)
- Creation or Expansion of USFs
- Donors and Investors
- Broadband Commission Working Group on School Connectivity

Regulatory and Network & Digital Infrastructure Expertise

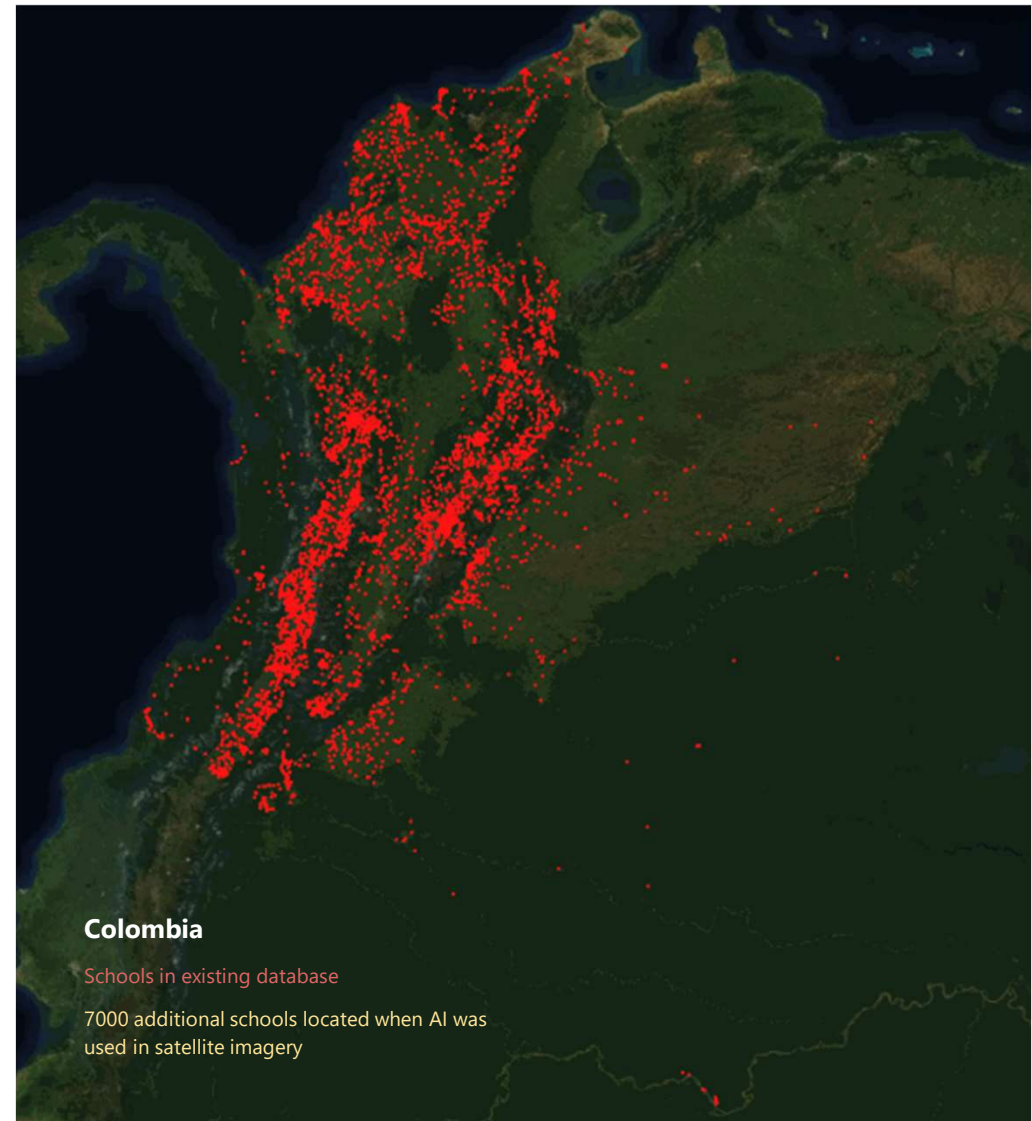
- Regulatory frameworks fostering a competitive ICT environment
- Products, services and expertise on Telecommunication/ICT network and digital infrastructure
- Holistic and scalable digital strategies and services to empower digital societies

Focus on the child (digital skills & education)

- Government Programs to connect schools
- Infrastructure Programs
- Education solutions: remote learning, teachers' training, etc.
- Entrepreneurship and Digital Finance

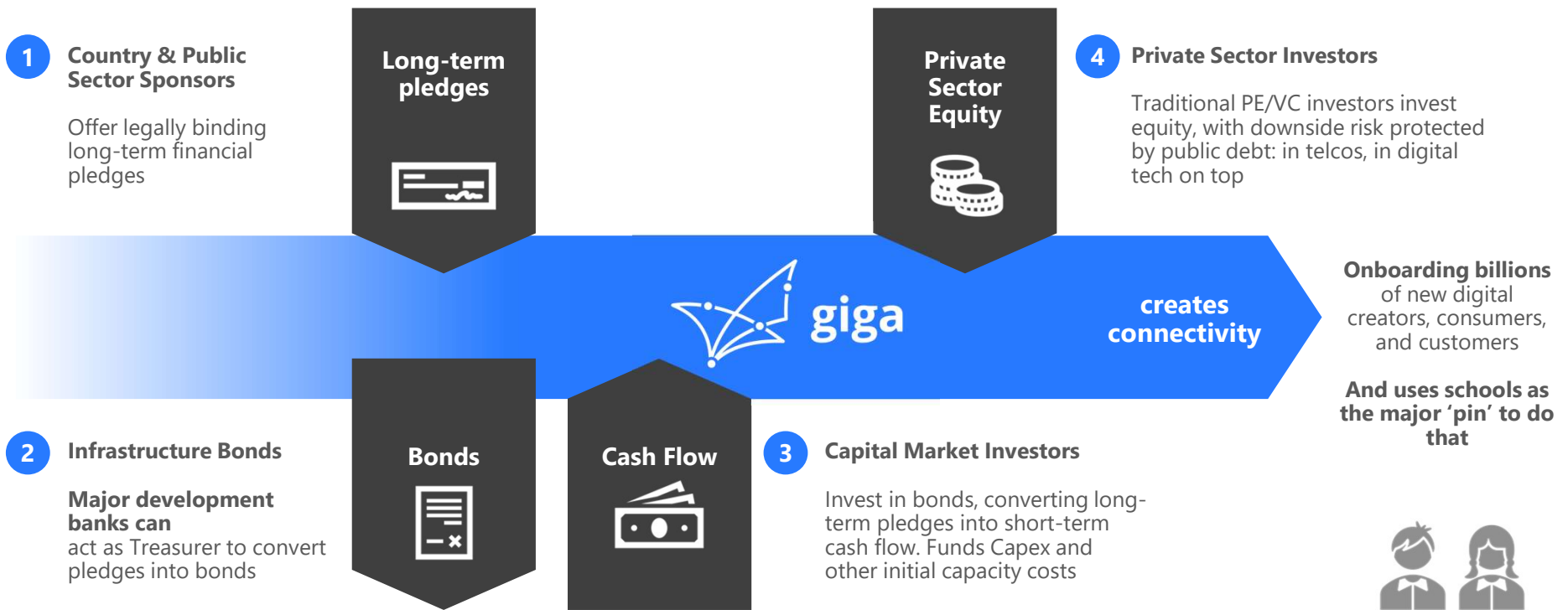
Why is this only possible **now**?

1. **Financing**. New global financing instruments built can be more sophisticated than the advanced market commitments of GAVI
2. **Connectivity technology**. Connectivity expansion through low earth orbit satellites and mesh technologies now make building coverage easier.
3. **Accountability**. We have new ways to transparently monitor progress and ensure service continuity (e.g. blockchain)
4. **Focus**. Concentrating on "schools" as an entry point for bid construction gives us a laser-focus and a unique "edge" to bring connectivity investments into target communities



New financing instruments can help catalyze private sector market creation with public sector funding

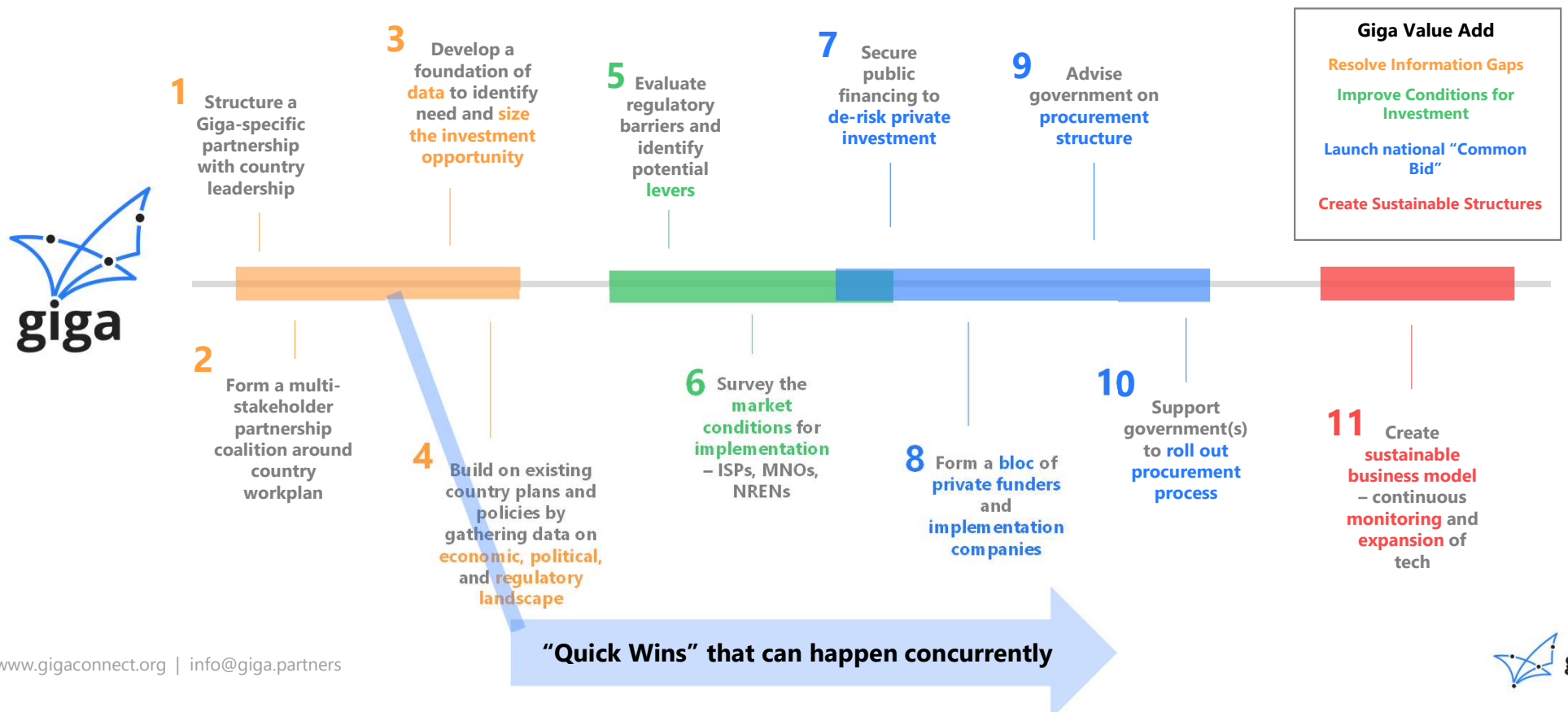
EXAMPLES



11 STEPS

Runway to connectivity

Giga provides services that support country governments to develop their case for investment through data transparency, regulatory reform, and public financing. On the other hand, Giga packages and develops investment opportunities in coordination with private funders and implementation companies to support a successful procurement process.



Giga identifies opportunities for 'Quick Wins' through accelerated paths to expand connectivity within broader, national projects

Specific projects to allocate **readily available resources** for quick results

For example, advising on the most appropriate ways to use specific technology, etc.

Giga: Accelerate

Connecting 1,000 schools as immediate response and potentially as a pilot for scaling.

Strategic initiatives to develop tools, reports, and networks of partners




For example, issuing a Request for Bright Ideas from ISPs and MNOs, or publishing a report on the Broadband Commission working group.

Partnerships focused on connectivity for specific populations

For example, partnering with UN Women to create Giga: Girls – an initiative to explore opportunities for gender inclusion.

Quick wins that **demonstrate value** and **provide insights** for planning of larger projects

Giga is currently rolling out in 13 countries

Regions	Lead Countries	Updates	
1) Central Asia	Kazakhstan		<ul style="list-style-type: none"> In discussion with Uzbekistan and Kyrgyzstan
2) Sub-Saharan Africa	Rwanda		<ul style="list-style-type: none"> In discussion with Kenya, Niger, and Sierra Leone
3) Eastern Caribbean	Organization of Eastern Caribbean States		<ul style="list-style-type: none"> Anguilla, Antigua & Barbuda, British Virgin Islands, Dominica, Grenada, Montserrat, St. Kitts & Nevis, St. Lucia, St. Vincent & Grenadines confirmed with the coordination of OECS

STATUS UPDATE

Giga Country Progress Dashboard

Updated June 19, 2020

	STEP 1 Government Agreement	STEP 2 Multi-stakeholder Partnership Coalition	STEP 3 Project Connect: School + Connectivity Data	STEP 4 Country Data and Analysis	STEP 5 Regulatory and Policy Framework	STEP 6 Service Provider Market Landscape	STEP 7 Public Financing	STEP 8 Bloc of Private Funders	STEP 9 Structure Procurement Process	STEP 10 Issue Public Procurement	STEP 11 Sustainability and Accountability
KENYA	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress
SIERRA LEONE	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress
NIGER	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress
RWANDA	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress
KAZAKHSTAN	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress
KYRGYZSTAN	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress
UZBEKISTAN	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress
OECS	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress
EL SALVADOR	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress
HONDURAS	Progress	Progress	Progress	Progress	Complete	Progress	Progress	Progress	Progress	Progress	Progress

● AFRICA
 ● CENTRAL ASIA
 ● LATIN AMERICA + CARIBBEAN
 ● GIGA READY

CASE STUDY

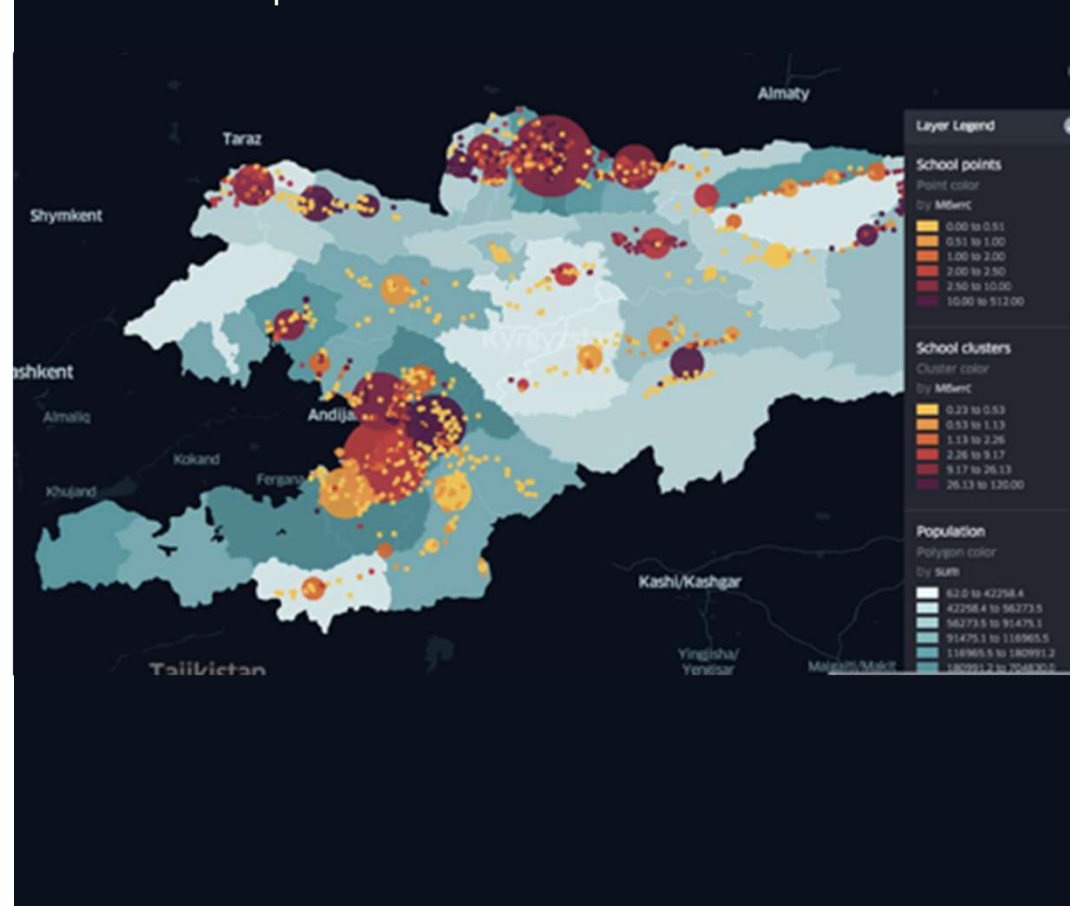
Giga mapping has already saved the government of Kyrgyzstan 40% (~200k\$ / year) of its education connectivity budget

- In fact, prices were lowered to almost half (from \$50/month to \$28.5/month) and speeds almost doubled (from 2Mbps to 4Mbps).
- These savings can be monetized
- The Giga team is now working with the government to monitor the quality of the Internet in schools in real-time to continue to improve connectivity.

www.projectconnect.world

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Giga 'Map' – Mapped data and Communicated with Network Operators





Contact us

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