



### Key findings from “Green All-optical Network Forum 2023”

On 27 February 2023, IDATE hosted the 2<sup>nd</sup> “Green All-optical Network Forum 2023” in Barcelona Porta Fira Hotel. We are excited to gather regulators, industry experts and leaders from the optical network industry, who shared and discussed the latest practices and trends on fiber optical innovations of the industry and how fiber optical innovation is promoting support premium experience and sustainable development of our society.

This year's conference focused on fiber innovation and best practices for all-fiber network innovations and deployment, covering a range of timely topics such as the importance of full-fiber networks to support giga experience and its contribution to carbon emission reduction, ETSI's F5G standards views and telecommunications operators' best practices for all-fiber network deployment.

The event gave attendees the opportunity to learn from leading experts, explore the latest advancements in fiber optic technology and engage with key stakeholders to discuss the latest trends and developments of the fiber technologies contribute to the ecologic transition of our society.

Here are some key-learning points from our speakers:

At the conference, Mr. Jean-Luc Lemmens, Telecom business unit Director at IDATE, presented their latest white paper titled "Green All-Fiber Network Facilitates Giga Experiences," showcasing how all-fiber networks can contribute towards supporting giga experiences while achieving the green agenda.

**IDATE has been studying the development of fiber for more than 20 years. FTTx networks have been transforming the way we work and the way we entertain. Our societies face the challenge of environmental transition that requires all of us to reduce our carbon emissions. IDATE provides a vision and a perspective on how fiber networks can, directly or indirectly, reduce carbon emission. With a need for stronger Gigabit experience driven by new services, we believe that strong innovation in the fiber networks technologies contributes to our society's carbon footprint reduction.**

Marcus Brunner, the ETSI ISG F5G liaison officer, presented the F5G ESTI vision at the conference, emphasizing how fiber optical technologies can contribute towards enabling a carbon-neutral EU by 2050.

ETSI ISG F5G strives for “bringing Fiber to everything and everywhere” and “becoming the foundation of the twin digital and green transition”. F5G made a lot of progress after its creation in the past three years. Now it’s time for F5G to evolve into F5G Advanced, to be ready for the “10Gbps everywhere” in midterm progressing ahead from the gigabit society. F5G Advanced will further enhance the service experience from its novel architecture as well as the new scenarios like FTTR (fiber to the room) to make the twin transitions happen.

Mr. Rogerio Takayanagi, SVP Retail and Enterprise at Brazil's Oi, presented the Brazilian broadband market and shared Oi's successful experience in deploying FTTR in the country.

**Brazil Oi: Oi will adhere to the all-optical strategy and continuously develop the FIBRA X premium HBB brand. As an advanced home networking solution, FTTR can upgrade user experience in rate, coverage, roaming, and concurrency. By deploying FTTR, Oi extends fibers to all rooms or areas of a house, bringing differentiated and premium experience to customers and accelerating digital transformation in Brazil.**

Mr. Rizal Akbar, VP Network/IT Strategy, Technology & Architecture at Telkom Indonesia, shared their experience in building an all-optical network to accelerate national digitalization at the conference.

**“Empowering our society with sustainable digitalization is our board's top-of-mind. Every decision taken is guided by one of our mission statements: building sustainable, intelligent digital infrastructure and platforms that are affordable and accessible to all. As Indonesia's most prominent digital infrastructure provider, Telkom must set an example by aligning our strategy with global sustainability trends. Therefore, the KTT G20 theme is very relevant to Telkom's Strategy and our commitment to" Digitalization for A Better and Sustainable Future."**

**IDATE** is one of Europe’s foremost ICT experts, specializing in telecom, media and Internet markets, and in digital regional development.

For more than **40 years**, **IDATE** has been deciphering, analysing and modelling disruptions, trends, weak signals and impacts of digital technologies on our society, our economy, our governments.

Today, we have more than **200 clients** – large international groups, international organizations, start-ups, local authorities and senior advisors.

The consulting offer of our teams of economists and engineers is based on credibility and independence, thanks to the completion of hundreds of missions. **IDATE** also publishes a global observatory of digital markets and innovation, which aims to organize an active watch through a comprehensive catalog of reports and databases.