



The 13th GIO Roundtable Summary

April, 2024



Summary of the 13th GIO Roundtable

- **Time:** 9:00–13:00 (CET), 27 February, 2024
- **Location:** Barcelona & Beijing, online
- **Cohosts:** ERTICO-ITS Europe, IDSA
- **Highlights:**
 1. Discussed the value of data elements, the common industry-specific applications of data in the manufacturing, healthcare, and transportation industries, as well as data standardization and industry development.
 2. Released *GIO White Paper on Industry-specific Ecosystems V3.0*.



Agenda

Activity	Topic	Speaker	Organization	Time (CET)
Opening	Introducing new faces	Martin Creaner	WBBA	9:00–9:05
	Opening remarks	William Xu Joost Vantomme Thorsten Huelsmann	GIO Chair GIO Co-Chairs	9:05–9:15
High-value application scenarios of data	Unlocking the value of data elements	Xiaohui Yu	All	9:15–9:35
	From data tracing to value creation in first industrial applications	Juergen Grotepass	ZVEI	9:35–9:50
	Data elements and digital healthcare	Jiao Li	CAMS	9:50–10:05
	Smart transport and mobility: Enhanced service delivery through the data sharing economy	Joost Vantomme	ERTICO – ITS Europe	10:05–10:20
	Open discussion 1: Comments on the trends above and other future key industry trends	Moderator: Martin Creaner	–	10:20–11:05
Group Photo/Coffee break				11:05–11:20
Data standardization and industry development	Data sharing: Establishing data sharing standards to promote global industry development	Thorsten Huelsmann	IDSA	11:20–11:35
	Data definition: EU industry policies and the global application of digital product passports	Thorsten Dikmann	Catena-X	11:35–11:50
	Digital platform ecosystem: <i>GIO White Paper on Industry-specific Ecosystems V3.0</i> release	David Mohally	TM Forum Ecosystem Modelling Team	11:50–12:05
	Open discussion 2: Major obstacles and difficulties in data management and value creation Potential coordinated solutions and responses from industry organizations	Moderator: Luis Jorge Romero	–	12:05–12:50
Ending	Recap and closing remarks	Martin Creaner	WBBA	12:50–13:00

Attendees and Participation at the 13th GIO Roundtable

- A total of **43 guests** (35 guests of honor, 8 accompanying guests) **from 34 industry organizations** attended the roundtable. Among them, there were **9 new faces**, and **4 observers** from DEKRA and T-Systems.
- 20 participants** joined and actively contributed to the open discussions.

Barcelona: 23 guests of honor, 6 accompanying guests

Role	Organization	Name	Title
Industry organization leads	5GSA	Luigi Licciardi	Chairman
	5G-MAG	Jordi J. Gimenez	Head of Technology
	5GAA	Markus Dillinger	COO
	6G Forum	Kyunghi Chang	Chairman
	6G Health Institute	Christoph Thuemmler	Chief Medical Officer
	All	Xiaohui Yu	Chairman
	Catena-X	Thorsten Dikmann	Chairman of the DDP WG
	CCSA	Xinsheng Nan	Vice Secretary-General
	CHINA INFO 100	Yu Xu	Member of the Executive Committee
	ERTICO-ITS Europe	Joost Vantomme	CEO
	ETSI	Luis Jorge Romero	Director General
	IDSA	Thorsten Hülsmann	CFO
	ITS	Yan Xu	Member of the Board of Directors
	NetworkEurope	Rui Luis Aguiar	Chairman of the Steering Committee
	TM Forum Ecosystem Modelling Team	David Mohally	Co-Chair
	The Eclipse Foundation	Mike Milinkovich	Executive Director
	The OpenAtom Foundation	Xiaohua Xin	Vice Secretary-General
	UK 5G/6GIC	Rahim Tafazolli	President
	WAA	Tao Yang	Secretary-General
	GIO Special Advisor	ZVEI	Juergen Grotepass
WBBA		Martin Creaner	Secretary-General
Observers	DEKRA	Thomas Jäger	Senior Vice President, Global Connectivity Technologies, Digital & Product Solutions at DEKRA
	T-Systems	Sven Loeffler	Tribe & Chapter Lead for the Telekom Data Intelligence Hub (DIH)

Beijing: 10 guests of honor, 2 accompanying guests

Info marked red: New faces

Role	Organization	Name	Title
Industry organization leads	CIC	Yanchuan Zhang	Vice President and Secretary-General
	CESA	Jing Duo	Executive Secretary
	ECC	Dong Li	Vice Secretary-General
	EuropElectro/ ZVEI	Xu Wang	Head of EuropElectro/ China Representative of ZVEI
	Fraunhofer	Xiaolong Ma	Chief Representative of Fraunhofer Beijing Office
	GCC	Peng Peng	Secretary-General
	Chinese Academy of Medical Sciences	Jiao Li	Director
	UWA	Wengang Zhang	Secretary-General
	SAC/TC 124	Jinsong Ouyang	Vice Chairman
GIO Special Advisor	5GDNA	Zemin Yang	Chairman

Online: 2 guests

Role	Organization	Name	Title
Industry organization lead	IVI	Nobuyuki Ogura	Chair for the Industrial Value Chain Reference Architecture (IVRA) Task Force
GIO Secretariat	UK 5G/6GIC	Bernard Hunt	Director of Operations



Expert viewpoints — Opening remarks



William Xu, GIO Chair

The explosive AI development proves that the establishment of GIO in 2018 was the right move. GIO has since served as an important platform where we can discuss the pace, framework, standards, interconnection, and interoperability of digital transformation. **Digital transformation, and in particular AI enablement for industries, has created tremendous momentum for the digital economy.**

Over the next one to two years, **AI foundation models** will combine industry know-how with AI capabilities to translate experience into science, **enabling numerous industries** and propelling the digital transformation of these industries. **The openness, security, and trustworthiness of data** are closely related to the development of industry-specific foundation models. **Because of this, the 13th GIO Roundtable discussing topics on these matters will set a key milestone in the digitalization journeys of industries.**

Expert viewpoints — Keynote speech: High-value application scenarios of data



Xiaohui Yu, AI

In China, we look at data and data drivers from the perspectives of production functions and factors, as well as the far-reaching significance of data for digital transformation. **To unleash the value of data elements, we believe a golden triangle of systems, markets, and technology assurance needs to be built** so that data can benefit humanity and promote sustainable economic and social development.



Juergen Grotepass, ZVEI

The product carbon footprint (PCF) has become a new "currency" to deal with when creating value in data spaces. **The digital product passport (DPP4.0) is evolving as core building block** for data tracing along value chains in case of highly integrated products and manufacturing skills offered as services in new marketplaces. **Manufacturing as a Service (MAAS) applications are very attractive for small and medium enterprises** as they open the world for flexible production generating new market opportunities.

Expert viewpoints — Keynote speech: High-value application scenarios of data



Jiao Li, CAMS

The pace of the "Data Element X" development in China coincidentally matches the World Health Organization's agenda. **Building an ecosystem that harnesses digital technologies for people's health is critical** to realizing the One Digital Health vision. The WHO has proposed four key actions that will improve the quality and availability of health data: national coordination, enhanced monitoring, data sharing, and creating a data-driven culture.



Joost Vantomme, ERTICO-ITS Europe

The 13th GIO Roundtable comes very timely. Vehicles are no more standalone mobility instruments. They are interconnected with a broader ecosystem such as the connectivity industry, the energy sector, the urban mobility ecosystem and many more. Software defined vehicles truly connect the dots across the ecosystem. The potential of data sharing is no theory anymore. **Data availability and accessibility from vehicles and infrastructure contribute to the sustainability agenda with a new impetus for enhanced safety, comfort, productivity and efficiency overall.**

[View more](#)

Expert viewpoints — Keynote speech: Data standardization and industry development



Thorsten Huelsmann, IDSA

Trustful data sharing takes place in data spaces, where **participants share one common trust framework**. The key to data spaces is the data connector. **We are now working on bringing the data space protocol 1.0 via ISO into the global standard**. With more contributors, the protocol and its open source implementations will improve. I hope you'll join us in this journey as a data space pioneer.



Thorsten Dikmann, Catena-X

The digital product passport is crucial **and it fulfils regulatory compliance, maximizes product transparency and enable circular economy**. **The magic behind accurate data exchange lies in the shared infrastructure of data spaces**. One infrastructure means we all share the same components, but we exchange data only between two parties. You're more than welcome to join it and work on these components.



David Mohally, Ecosystem Modeling Team, TM Forum

While most enterprises have recognized the need to work within wider business ecosystems, they can lack the skills to select, develop and govern these ecosystems in a profitable fashion. The TM Forum has created an Ecosystem Modelling framework to tackle these challenges for the Telco industry. **This created an industry platform that provides a blueprint to accelerate and de-risk the innovation stages of concept to design for new business opportunities**.

Expert viewpoints — Open discussion 1: Comments on the trends above and other future key industry trends



Yan Xu, ITS

For telecommunication, **the interoperability always combines together with interconnections, because these are two different levels.** They can address different things. Interconnection mainly addresses the reliability of data, or standardization of the data format. For interoperability, it may address the trust and this kind of in case of a misuse of the data. So I think maybe **we should also talk about interconnections, not just interoperability.**



Rui Luis Aguiar, NetworldEurope

The transmission from data into information is highly business dependent, influenced by communication infrastructure and privacy concerns. AI's ability to derive value from unstructured data complicates matters. As companies seek private networks to safeguard data privacy, there's a trend against market creation due to unawareness of information transformation. **Trusted markets with business contracts are needed, reconsidering the role of telecom operators in data monetization.**

Expert viewpoints — Open discussion 1: Comments on the trends above and other future key industry trends



Kyunghi Chang, 6G Forum

The significance of data in AI cannot be overstated. High-quality, useful data is crucial for achieving full-level autonomy. Additionally, we must consider network targets and adopt various approaches, such as knowledge distillation and lightweight AI models, to achieve net zero targets. Recently, the 6G Forum has intensified its activities in this realm, focusing not only on enhancing capabilities but also on addressing these critical concerns.



Markus Dillinger, 5GAA

From the 5GAA perspective, a key concern is where to process ADAS data. Decentralized processing may prioritize privacy, but centralized processing in clouds is preferred for sustainability. Balancing privacy, scalability, and cost is crucial for all industries.

Expert viewpoints — Open discussion 1: Comments on the trends above and other future key industry trends



Christoph Thuemmler, 6G Health Institute

Data sharing is relatively easy from some ecosystems such as engines, cars, logistics and so forth. But we also have economic domains where data sharing is not so easy. **We cannot simply share data and pass them on and we need processes to authorize this trade.** When thinking about how to utilize the information, we need to go a step back to think **how we can incorporate the conditions of data authorization into the system.**



Xiaolong Ma, Fraunhofer

Data interoperability is now achieved through different methods, tools, and architectures. But for next step, **we should consider the connectivity between tools and architectures.** It is also necessary to consider cross-industry interoperability, which requires everyone to have a more open attitude to consider maximizing the value of the entire society.

Expert viewpoints — Open discussion 1: Comments on the trends above and other future key industry trends



Luigi Licciardi, 5GSA

The key to effective data management lies in understanding its scope and purpose. **Beyond focusing on interoperability, privacy, and confidentiality, it's crucial to identify the application field and specifically, the type of data being managed.** Another important issue is where we process the data and how long it takes to process the data, especially when considering real-time data and others. It's very important that we consider the global aspect of the problem and we consider also edge solution, local solution.



Zemin Yang, 5GDNA

Data sharing is of paramount importance. It involves several large, different ecosystem models, such as ecosystem models related to industry-chain, cross-industry, and public data. **Different sharing environments all have their own challenges which require their own solutions.** GIO is a very good platform that can help address this and I would like to hear more discussion here about data sharing.

Expert viewpoints — Open discussion 1: Comments on the trends above and other future key industry trends



Mike Milinkovich, The Eclipse Foundation

Many talks today touched on a theme not obvious to all: **existing open source projects at the Eclipse Foundation provide code implementations for various topics**. For questions about privacy, interoperability and more, there's already running code available under permissive licenses. Remember "data does not flow over rainbows" and it needs running code to realize grand visions, which exists today.



Ming Zeng, CHINA INFO 100

Joint innovation in data spaces **requires communication and cooperation not only between industries and supervision departments, but also between the departments themselves**. An example of this is how departments for data management or data supervision can work with departments for environmental protection. Regarding digital product passports, the cases shared at the roundtable demonstrate both leading concepts and practices. They are great examples for industries and authorities in China who want to explore the value of data and achieve the "dual carbon" goals. We hope to see more cooperation in this area in the future.

Expert viewpoints — Open discussion 2: Major obstacles and difficulties in data management and value creation & Potential coordinated solutions and responses from industry organizations



Luis Jorge Romero, ETSI

Data is a critical production factor in the digital economy, yet it's also subject to regulation. **Balancing regulation with value creation is challenging. Measuring and monetizing data value, dealing with diverse data sources, and ensuring data trust and quality are significant issues.**



Sven Loeffler, T-Systems

The telecom systems are invaluable, and the ecosystem in platform economy is pivotal. We are at the brink of a network effect revolution. Sharing data has business value, but requires a compelling reason like cost reduction or business growth. A few successful cases are all we need to trigger the network effect.

Expert viewpoints — Open discussion 2: Major obstacles and difficulties in data management and value creation & Potential coordinated solutions and responses from industry organizations



Rahim Tafazoli, UK 5G/6GIC

It seems everyone awaits a leader to share data. **Instead of talking about problems, let's start probably with some solution and make it moving forward right then.**



Xiaohua Xin, The OpenAtom Foundation

To improve the value of an element, the core or fundamental task must be to **improve the circulation speed of the element**. So, how to expedite data circulation? The most important link or the most conducive initiative may be **based on business-driven data transactions**. Data registration is a key step in data transactions. The organizations of GIO can **explore data registration practices** in their respective domains or countries.

Highlights

- At the Roundtable, we released the *GIO White Paper on Industry-specific Ecosystems 3.0*.
- Six speakers have given us permission to share their slide decks. [Download them here](#)

**GIO WHITE PAPER:
INDUSTRY-SPECIFIC
ECOSYSTEMS**

FEBRUARY 2024
VERSION: 3.0

**GLOBAL INDUSTRY
ORGANIZATIONS**

From Data Tracing to Value Creation in First Industrial Applications

The 13th GIO Roundtable, Barcelona Feb 27th 2024
Prof. Dr. Juergen Grotepass, CSO Manufacturing Europe
Huawei Technologies Duesseldorf GmbH

ZVEI Working Group "AI in Automation"

Data elements & Digital Health

Jiao Li
Chinese Academy of Medical Sciences/Peking Union Medical College
Institute of Medical Information
February 27, 2024

ERTICO

Smart transport & mobility
Enhanced Service Delivery Through Data Sharing

The 13th GIO roundtable
Barcelona, 27th February 2024

Joost Vantomme
CEO ERTICO - ITS Europe
Vice-president of the MaaS Alliance

**GLOBAL INDUSTRY
ORGANIZATIONS**

MWC Barcelona 2024
26 - 29 February

INTERNATIONAL DATA SPACES ASSOCIATION

The 13th GIO Roundtable
27 February, Barcelona

Establishing data sharing standards to promote global industry development

Findings from the Global Data Spaces Roundtable, 26 February, Barcelona

Thorsten Huelsmann, Managing Director, International Data Spaces Association

Catena-X
Automotive Network
Thorsten Dikmann, BASF

Data definition: EU industry policies and the global application of digital product passports

Supersystems

tmforum

Business Ecosystem Design

Speaker: David Mohally
Role: Ecosystem Modelling Team Leader Co-Chair

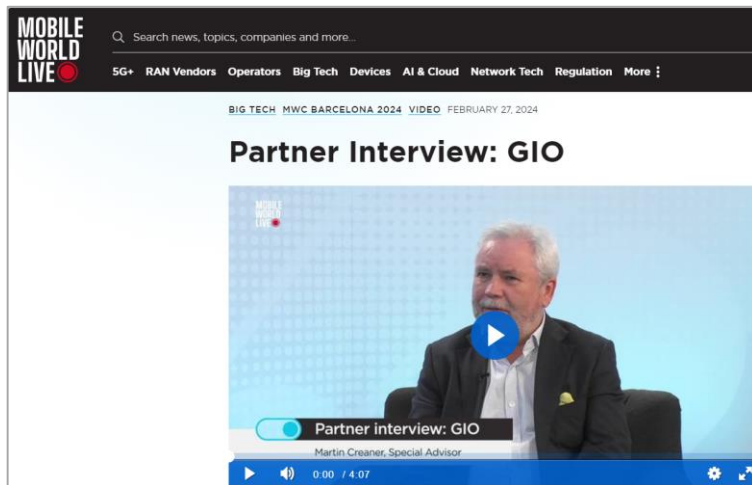
**GLOBAL INDUSTRY
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Publicity

Mobile World Live

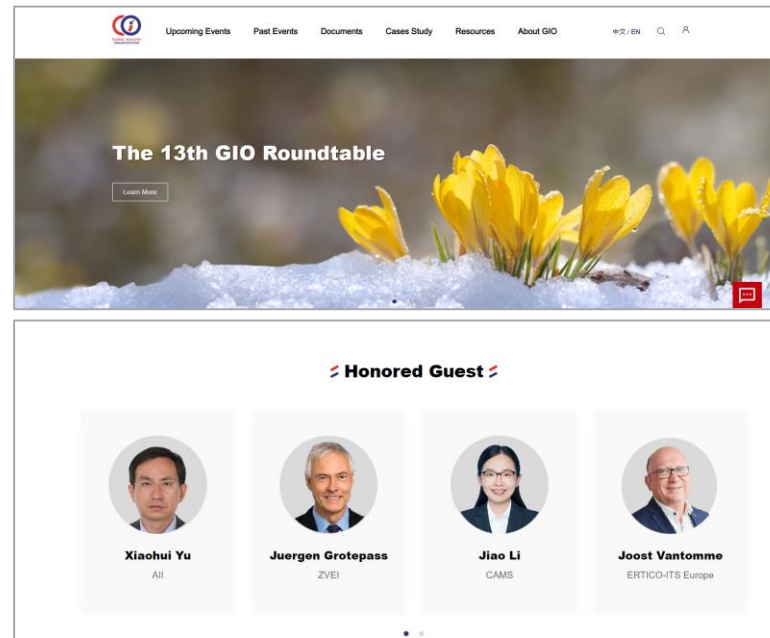
- On February 26, the host of the Mobile World Live program interviewed Mr. Martin Creaner, GIO Special Advisor.
- The interview was aired on channels including the Mobile World Live official website, e Show Daily, and Newsletter.



[Click to watch](#)

GIO official website

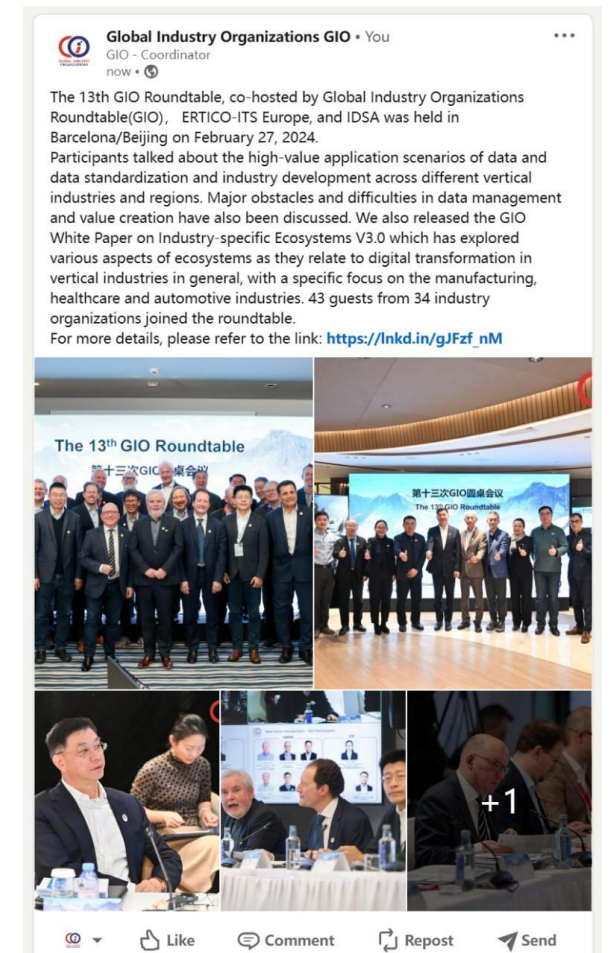
- Pre-meeting warm-up: topics, agenda, and guest information
- Post-meeting publicity available on the landing page of the GIO official website: Expert viewpoints, important conclusions from the Roundtable, and highlights



[The 13th GIO Roundtable](#)

LinkedIn

- The event was publicized on GIO's official LinkedIn account.



Post-event survey

10 attendees completed the survey. Here is their feedback:

- Overall score for the GIO roundtable: 9.4
- Feedback:

Name	Organization	How will your organization act to facilitate data management and data monetization?	Recommendations on the theme of the next GIO roundtable?
Peng Peng	GCC	Establish industry standards	/
Yan Xu	ITS	More research	Valuing data
Luigi Licciardi	5GSA	Recommendations	GenAI in digital transformation
Rui Aguiar	NetworldEurope	Pushing on innovation	AI would be a challenge
Jiao Li	CAMS	We will use medical research and medical tech innovation to promote health data sharing and smart cities	Specific case sharing in data quality, privacy protection, and other areas. Suggestions for initiating or organizing the development of international standards.
KyungHi Chang	6G Forum	"Not only Good data use for AI benefit, but also to reduce computational complexities"	6G verticals
Wengang Zhang	UWA	Prepare to set up the AIGC section in UWA2030	How to define the value of data
Zemin Yang	5GDNA	/	Data element circulation/value creation
David Mohally	TM Forum Ecosystem Modelling Team	Very relevant for successful digital transformation across industries	"The telco industry could play in enabling data sharing within vertical industries". "The role of broadband in enabling future applications across vertical industries"
Jordi J. Gimenez	5G-MAG	/	Hope media to be one of the topics in the agenda in future GIO roundtables

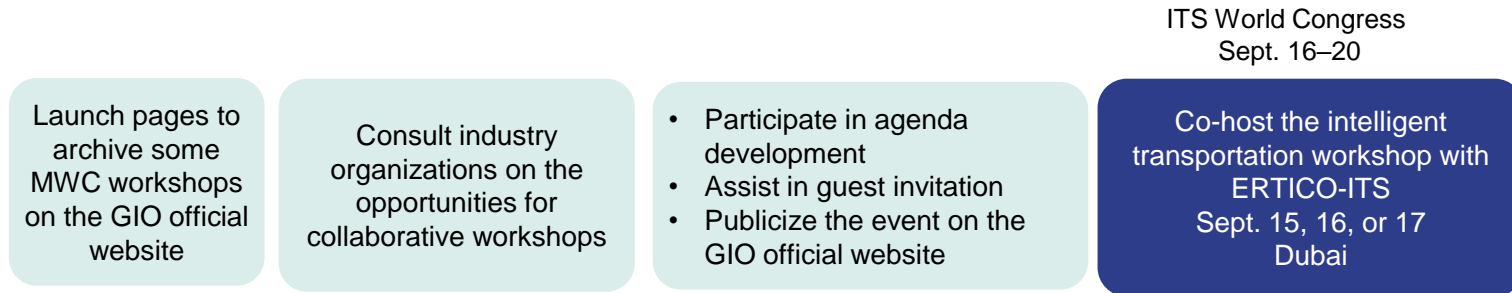
Next up

Feb. Mar. Apr. May Jun. Jul. Aug. Sept. Oct. Nov. Dec.

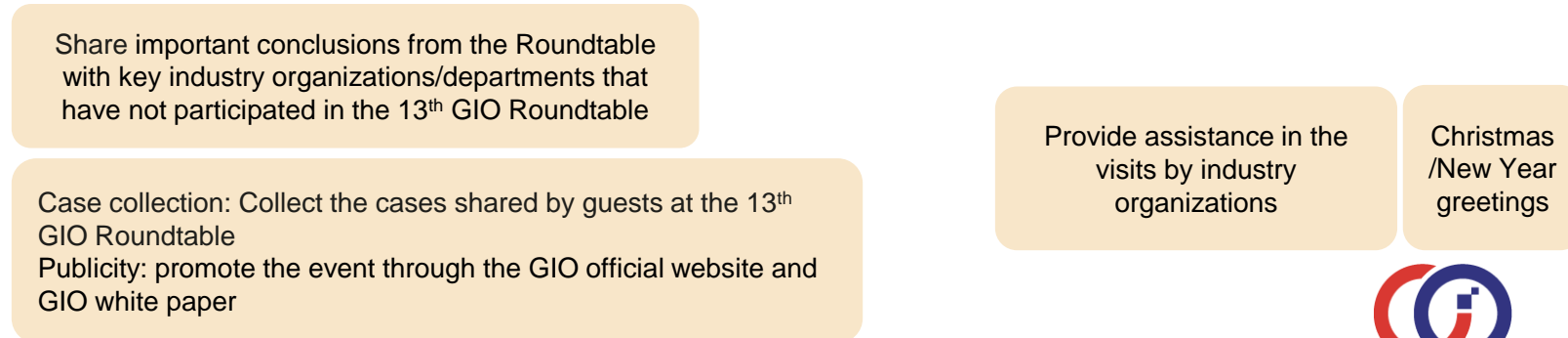
Roundtables



Workshops



Other



Thank you.



Collaborating for Digital Economy Growth
Building a Better Intelligent World