

# The 9<sup>th</sup> GIO Roundtable Summary

GIO Operation Team  
28<sup>th</sup> March, 2022

Collaborating for Digital Economy Growth,  
Building a Better Intelligent World.



# About the 9<sup>th</sup> GIO Roundtable

- **Goals and Output:**
  1. Form a cross-region consensus on new types of value chains in smart manufacturing and the interconnection of data in healthcare industry.
  2. Officially release GIO White Paper: Industry-Specific Ecosystems
  3. Examine the generic framework of digital transformation in different industries
- **Theme:** Build ecological industry platforms for value aggregation
- **Date:** 1<sup>st</sup> March 2022
- **Place:** Barcelona, Beijing, Online
- **Co-host:** BSI



## Agenda

9:00-9:20

### Guest introduction

Martin Creaner, Haiping Che

9:20-9:30

### Opening remarks

William Xu, Harold Pradal

9:30-10:30

### Industry consensus

- **Main conclusions of Digital Health Workshop**  
Giorgio Cangili
- **Main conclusions of Industry Data Value Workshop**  
Juergen Grotepass
- **The release of GIO White Paper: Industry-Specific Ecosystems**  
Martin Creaner

10:30-10:40

### Coffee break

10:40-11:10

### Shape the industry

- **Contributions to EU and German digital economy policy**  
Oliver Blank
- **The role industry organizations play in digital economy governance**  
Peter Williamson

11:10-12:25

### Development of GIO

- **Industry digital transformation topics frame**  
Martin Creaner, Haiping Che
- **Open Discussion**  
All GIO participants

12:25-12:30

**Summary: Main outputs and follow-up actions**  
Martin Creaner, Haiping Che



# Overview of the 9<sup>th</sup> GIO Roundtable

- Attendees: **42** attendees from **25** organizations
  - Online: **17** guests + speakers from **12** organizations, **1** GIO special advisors.
  - Onsite: **25** guests + speakers from **17** organizations, **2** GIO special advisors.
- Industry consensus
  - Main conclusions of Digital Health Workshop:** Digital healthcare should strengthen industry dialogue to form industry consensus and concrete work groups.
  - Main conclusions of Industry Data Value Workshop:** Data movement and sharing maximizes data value, enabling data driven services across industries. It is a new production paradigm of incremental executable knowledge as a service.
  - The official release of GIO White Paper: Industry-Specific Ecosystems:** The paper introduces some models and frameworks about ecosystems, data sharing within industry ecosystems and role of industry specific platforms, highlights how ecosystems can be used to more effectively support industry digital transformation, and shares a number of associated manufacturing industry case studies.
- Shape the industry
  - Contributions to EU and German digital economy policy:** Analysis of how the European policy work goes, ZVEI's engagement and contribution to global industry are presented, calling for the set-up of a global framework.
  - The role industry organizations play in digital economy governance:** GIDC is studying how to bring together different sectors jointly creating global governance protocols for 5G2B long chain.



'The 9th GIO roundtable was well organized with **deep and insightful** sharing from all presenters. The key next steps expected this year could be **better aligned** between all parties, in order to remain focused and accelerate development. BSI colleagues would be delighted to join the workshops before the GIO roundtables. More communication towards the key Industries is vital, and we would be glad to share more details.' --- **Harold Pradal, Group Commercial Director, BSI**

'The overall planning and organization of the roundtable were very thorough. Under the impact of the pandemic, obstacles such as personnel and venues were overcome, and the online and offline **interaction and multi-countries participation** were still **efficiently and smoothly achieved** throughout the entire process. I applaud GIO for its strong organizational capabilities. Before the meeting, GIO had **pre-communication** with each guest speaker, the communication and discussion of which was very sufficient.' --- **Yan Zhu, Member of the Executive Committee, CHINA INFO 100**

# Attendees of the 9<sup>th</sup> GIO Roundtable

42 industry leaders from 25 organizations: 16 onsite in Beijing, 9 onsite in Barcelona, 17 online.

## China (21 participants)

Type	Organization	Guest	Position
Industry organization leader	CCSA.	Ku Wen	Vice Chairman of the Council and Secretary-General
	All	Jianbo Hu	Chairman
	CHINA INFO 100	Yigui An	Director
	SAC/TC 124	Jinsong Ouyang	Chairman
	CSAE	Weijie Gong	Vice Secretary-General
		Yanci Ding	Vice Minister of Management
	BSI	Frank Zhang	Executive Director, China
		Michael Zhou	Global Account Director
	The Open Group	Maggie Gao	Commercial Director, APAC
		Kaitlyn Fang	Marketing and Business Development
	EuropElectro	Xu Wang	General Manager, China
		Ling Xu	Senior Expert
	UWA	Wengang Zhang	Secretary General
		Yujia Zhang	Brand Manager
		Lu Han	Marketing Manager
GIO Special Advisor	5GDNA	Zemin Yang	Chairman, GIO Special Advisor
GIO Secretariat	All	Bin Shen	Vice Secretary-General
	CHINA INFO 100	Pengjun Qiu	Senior Researcher
	CCSA	Shizhuo Zhao	Director
	SAC/TC 124	Shuo Wang	Director
	TM Forum	Kevin Xu	APAC Regional Director

Confirmed onsite

Confirmed online

## Barcelona (16 participants)

Type	Organization	Guest	Position
Industry organization leader	3GPP	Issam Toufik	Director of Mobile Competence Centre
	5GAA	Markus Diling	COO
	5G-MAG	Jordi J. Gimenez	Head of Technology
	5GSA	Luigi Licciardi	Chairman
	ETSI	Luis Jorge Romero	Director General
	Networld Europe	Rui Luis Aguiar	Chairman of the Steering Committee
	UK 6GIC	Rahim Tafazolli	President
	GIDC	Peter Williamson	Chair
		Liyang Guo	Vice Chair
	BSI	Harold Pradal	Group Commercial Director
	ZVEI	Oliver Blank	Director of European & China Affairs
	HL7 Europe	Giorgio Cangili	Technical Leader
GIO Special Advisor	German Platform Industrie 4.0	Juergen Grotepass	Expert
	--	Christopher Ganz	GIO Special Advisor
GIO Secretariat	--	Martin Creaner	GIO Special Advisor
	UK 6GIC	Bernard Hunt	Programme Manager

## Other (5 participants)

Type	Organization	Guest	Position
Industry organization leader	ITS	Yan Xu	Board of Directors
	IVI	Nobuyuki OGURA	Convener of Reference Architecture Task Force
	Linux Foundation	Ibrahim Haddad	Vice President of Strategic Programs
		Keith Chan	Strategic Planning Director
		Hin Yang	Business Development Director

# Key messages – Chairs' Address



William Xu, Director of the Board and the President of the Institute of Strategic Research, Huawei; Chair of GIO

- The core of GIO is to **provide valuable topics, expose common phenomenon** among industries and provide industry organizations with fruitful insights. We have marched in this direction for 4 years.
- The 9th GIO focused **on the release of GIO white paper on industry-specific ecosystems** and examined the **generic framework of digital transformation in different industries** and now we pay more attention to the challenges and expectations from diverse industries.



Harold Pradal, Group Commercial Director of BSI, Co-chair of the 9<sup>th</sup> GIO Roundtable

- The interactions on digital technologies implementation within the manufacturing sector are not yet as effective as they need to be. So we must **support the various players in the industry** to evolve towards a situation where **the ecosystem is built on trust, hence more agile and efficient**.
- Co-creating **good practice in data sharing** will enable manufacturers to **collaborate and share data with confidence**. The adoption of good practice in business innovation, collaboration, and technology integration will underpin innovation in the Industrial Products & Services sector, leading to **a more vibrant IP&S ecosystem**. Ultimately, better data sharing and innovative approaches will lead to digital investments that will accelerate the transition to **net zero**.

# Key messages – Industry consensus



## Main conclusions of Digital Health Workshop

-- Giorgio Cangioli, Technical Lead, HL7 Europe

Nowadays digital health ecosystems are heterogeneous systems of ecosystems including medical and consumer devices, requiring a set of coherent and collaborating standards, where HL7 FHIR can play a key role in the sharing of health data.

- EU/China and global collaboration on adoption and development HL7 FHIR artefacts for consumer devices is hoped.
- **Trust is crucial**, quality labeling, beyond medical device regulations, a mean to achieve this goal. It is suggested to **promote the development of a quality labeling standard** for consumer devices as companion guide of the current ISO/TS 82304-2:2021 Health and wellness apps — Quality and reliability.
- Finally, a multi-stakeholder discussion on the hybrid usage of **regulated and unregulated health and wellbeing devices** should be facilitated.



## Main conclusions of Industry Data Value Workshop

-- Juergen Grotepass, Expert, German Platform Industrie 4.0

- **Data movement and sharing maximizes data value**, enabling **data driven services across industries**.
- The **enabling technologies** should be **further standardized and upgraded** including data dictionary / information models (digital twin, asset administration shell), IDS and industrial or regional data center / cloud (e.g. GAIA-X).

# Key messages – Industry consensus



## Introduction to GIO White Paper: Industry–Specific Ecosystems

-- Martin Creaner, GIO Special Advisor, GIO Secretariat

This white paper investigates four different aspects of **how ecosystems can be used to more effectively support Digital Transformation opportunities across vertical industries.**

- 1 The Nature of Ecosystems:** This section introduces some models and frameworks that offer an **approach for how to think about ecosystems** and **how to understand the various stages** in developing a new ecosystem or engage with an existing ecosystem.
- 2 Data Sharing:** This section explores the **challenges of sharing data across ecosystems** and the **trust infrastructures** that are emerging to support this sort of data sharing.
- 3 Platform Business Models:** This section examines the role of **platforms and platform business models** in making ecosystems practical and proposes the concept of industry specific platforms as a way of bringing vertical industry ecosystems to life.
- 4 Manufacturing Case Studies:** This section highlights the **key difference** between the **Digital Transformation challenges of the Manufacturing industry** compared with the **Digital Transformation challenge of the ICT industry.** This section goes on to then share some **key case studies** on how **Digital Transformation success** is being achieved in the manufacturing industry.

# Key messages – Shape the industry environment



## Contributions to EU and German digital economy policy

-- Oliver Blank, Director of European & China Affairs, ZVEI

- In order to create a better **global understanding** of the digital transformation challenges and opportunities, it is important is to build **eco-systems and platforms** for exchange – **at industry and government levels**. Let all the people sitting together, talking together, include EU decision maker and stakeholders, and let big company and SMEs share their business experiences, market knowledge and questions.



## The role industry organizations play in digital economy governance

-- Peter Williamson, Chair, Global Issues Dialogue Centre

- A much wider range of industry verticals, each with different value chains, will be involved in 5G, B5G than before. Current geopolitical trends, meanwhile, have raised the risk of moves toward protectionism, nationalism and the abandonment of international cooperation that would result in the fragmentation of digital industries, communications and the Internet. The potential costs in terms of slower innovation, reduced productivity growth, increased costs and prices and lost economic welfare need to be identified and estimated. Mechanisms to avoid and mitigate this potential drag on progress and prosperity need to be developed and implemented.
- Bringing together different sectors, including the **standards & industry organizations, academia, and regulatory bodies**, to jointly create global governance protocols together based on the criteria of **resilient, fair, transparent, market driven, and society/human centricity**.



# Key messages – Development of GIO – Introduction to Industry Digital Transformation Topics Frame



**Martin Creaner, GIO Special Advisor, GIO Secretariat**

- This document outlines the various areas of **common interest** for GIO participants and which may warrant investigation going forward. Current interest is in the area of Manufacturing and Healthcare digital transformation and **the platform, technology & data challenges** in this transformation. Future vertical industry areas of interest are likely to include **Automotive, Heavy Industry**. The document also highlights the approach GIO takes in pursuing these areas of common interest through **a combination discussion, information sharing and collaborative investigation**.



**Haiping Che, GIO Coordinator, GIO Secretariat**

- This topics frame is developed upon **four years' experience of GIO operation**. More **innovative digital technologies and industries** will be included for leaders and experts to explore. There could also be some common diagrams where **new architecture** could be built up and all elements could be closely connected together. Therefore, focusing on the three areas, we try to deepen and broaden our discussion and better address our concerns and conduct our **targeted research** and also to share our **use cases and experience**. We also hope that the verticals can share with us their **application scenarios and new findings** in their practices and then we can bring everything together.

# Key messages -- Open discussion – Digital Health Workshop/Industry Data Value Workshop



**Jinsong Ouyang, Vice Chairman, SAC/TC 124**

- Up to now, the **unification of concepts and the definition of technical terms** will make the content of the topic more focused.
- Hope to see the sharing of organizations on industry **data pricing and trading mechanisms**.
- Regarding the digital transformation of European business, Europe has given a lot of development vision figures, but I would like to see **specific measures** for the digital transformation of business in EU.
- It is recommended to discuss the **flow and use management of human health data** on the platform to promote the development of the digital health industry.
- Based on the thorough discussion about the **differences in the use and management of health data** in different countries, we should find **consistent and general characteristics and scenarios**.



**Jianbo Hu, Secretary-General, AI**

- Seize the strategic opportunity of digital transformation, actively **explore the application of industrial Internet in the dual-carbon field** and drive the **green development** of industries.
- Data owners should **build trust** with each other to ensure that the data is correctly used so that the **value of the data** can be **continuously released**. There is an urgent need to speed up the **exploration of application scenarios for trusted data space** and **promote the formation of business models**.



**Nobuyuki OGURA, Convenor, IVI Reference Architecture Task Force, IVI**

- There are **various solutions and approaches** to industry data value in Europe, China and Japan. No one-size-fits-all solution exists.
- The meaning of GIO lies in its ability to **explore the common ground and difference of all areas**.

# Open discussion – GIO White Paper: Industry-Specific Ecosystems



**Ku Wen, vice president and secretary general, CCSA**

- The success of digital transformation depends on **whether an appropriate ecosystem can be developed** among specific industries. **Technical provider and vertical industries** could **understand and co-work** with each other well in such an ecosystem so as to create more value for vertical industries. As a practical and actionable solution, we should start from **mature industries such as smart manufacturing and healthcare**, build up successful use case and then replicate the mode in other industries.



**Yan Xu, director of the Board, ITS**

- The beauty of digitalization is to **combine all items into bits, zeros and ones, not only parts**.
- With the help of digitalization or digital transformation, we can **convert the products and everything into service**. Then, why not **take infrastructure or platform as a kind of service?** This might **solve many problems for the end users**.
- To some extent, shared economy solves the issue of trust. Similarly, we can refer to some experience from other industries.



**Xu Wang, Managing Director, EuropElectro**

- The white paper standing **from the perspectives of both Europe and Asia** is a **milestone**;
- Hope that this platform can offer a nice **landscape of transparency** for the revelation from China, U.S. and from Japan because this kind of regulation rapidly is developed in this regional market. From an industry viewpoint, we have to bring our product globally but for this important market, we must understand what is allowed, what is not allowed and what we have to plan.



**Rahim Tafazolli, President, UK 6GIC**

- 'Trust' is the key word at the roundtable. Yet **trust should be defined in terms of data, privacy and reliability of the ecosystem** for industry leaders to align with each other.



**Rui Luis Aguiar, Chair of the Steering Committee, Network Europe**

- Call the attention for the following point: besides taxonomy, there isn't a global understanding on the **meta concepts associated with regulatory and legal frameworks related to different vertical industries**. While terminology may remain substantially similar across the world, context places a huge challenge for the understanding of the relevance and weight of the different technical, social and economic potentially developed for a vertical.

# Key messages -- Open discussion -- Expectations for GIO



## Oliver Blank, Director of European & China Affairs, ZVEI

- We should make sure there is a better understanding of also the **challenges and the opportunities**. For instance, in the field of AI where I think there's a bit too much focus on the challenges and problems that may arise where we need to have a better understanding of the opportunities that are behind by using technology AI as well.
- It's important we do our roundtables and exchange on the industry side but also that governments talk more intensive to each other and at the global level so as to set up **a global framework for the digital economy and for the digital society**.



## Luis Jorge Romero, Director General, ETSI

- More rich cases can **motivate** more industry leaders and experts to contribute cases, which can help us better **build mutual trust and promote consensus**.



## Zemin Yang, Chairman, 5GDNA

The main value of GIO is to run as **a cross-language and cross-cultural platform**, with missions:

- To drive the digital transformation of vertical industries with large capital;
- To build up cross-language and cross-cultural trust between industry organizations.



## Amelie, Deputy Secretary-General, China-SAE

- As you know, industries are facing the challenges of digitalization. So is auto industry. On one hand, we need to partner with tele-communication and transport sector; on the other, auto industry is also under **modular transformation** and has become a typical ecosystem.
- I hope that we can deepen the discussion about car networking ecosystem so as to drive the development of **intelligent connected vehicles** and I also look forward to more of the best practices in this regard.



## Wengang Zhang, Secretary-General, UWA

- GIO could focus on **better coordinating** the division of resources to create more value and to **connect industry applications and solutions**.



# Discussion Summary

## Consensus on Digital Health Workshop and Industry Data Value Workshop

- Industries that started digital transformation earlier such as digital health and smart manufacturing requires further **reference to the specific measures of EU business digitalization** for data value pricing and evaluation, active health connotation and boundaries, etc.;
- Communication and conversation develop via **human centered interaction models** and based on human centered metric of trust; provision of more **use cases, measures and regulations** is an effective mean for industry leaders to understand and eventually trust each other;
- Such knowledge should also contribute to talks among governments so as to set up a global framework for the digital economy and for the digital society.

## Comments and suggestions to the White Paper

- Successful projects of digital transformation built an **appropriate ecosystem** where **technical provider and vertical industries** could **understand and co-work** with each other well. This white paper is worth reading as it investigates four different aspects of how ecosystems can be used to more effectively support Digital Transformation opportunities across vertical industries;
- Provide uniform **cross-domain definitions** for technical terms and common terms such as trust, privacy and industry platform ecosystems to ensure that all parties have a consistent understanding and smooth communication;
- Incorporate **regulations and measures** taken by governments and relevant departments from different regions to promote digital transformation, deepen industry understanding about standards and policy and promote digital transformation of enterprises.

## Suggestions and expectation regarding the development of GIO

- Leaders and experts from all industries especially vertical industries to be invited to deeply understand **customer's need**, the **opportunities and challenges** faced by industry digital transformation;
- **Key scenarios** for industry digitalization should be identified and **work groups** set up to accelerate the development of solutions to digitalization.

Thank you.



**GLOBAL INDUSTRY  
ORGANIZATIONS**

Collaborating for Digital Economy Growth  
Building a Better Intelligent World

