



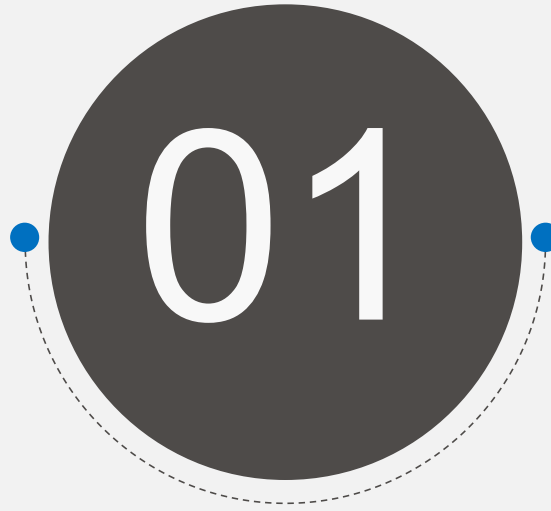
INTOSAI Working Group on Big Data

CONTRIBUTION TO THE IMPLEMENTATION OF THE STRATEGIC OBJECTIVES AND CROSSCUTTING PRIORITIES



CONTENT

- **The Outlook of the WGBD**
- **Development and Achievements**
- **Work in Progress**



The Outlook of the WGBD

- ⊙ **Strategic Objectives**
- ⊙ **Membership**
- ⊙ **Focuses**

Background

Big data has played an important role in promoting modernization of the national governance system and governance capability.

- **For SAIs, the audit patterns are also being changed accordingly.**

For a long time, audit has relied heavily on sampling analysis because of limitations in manpower and other resources;

But now, in the big data era, we can depend on massive “overall data”, **the “sample equals population” audit mode will become into reality.**

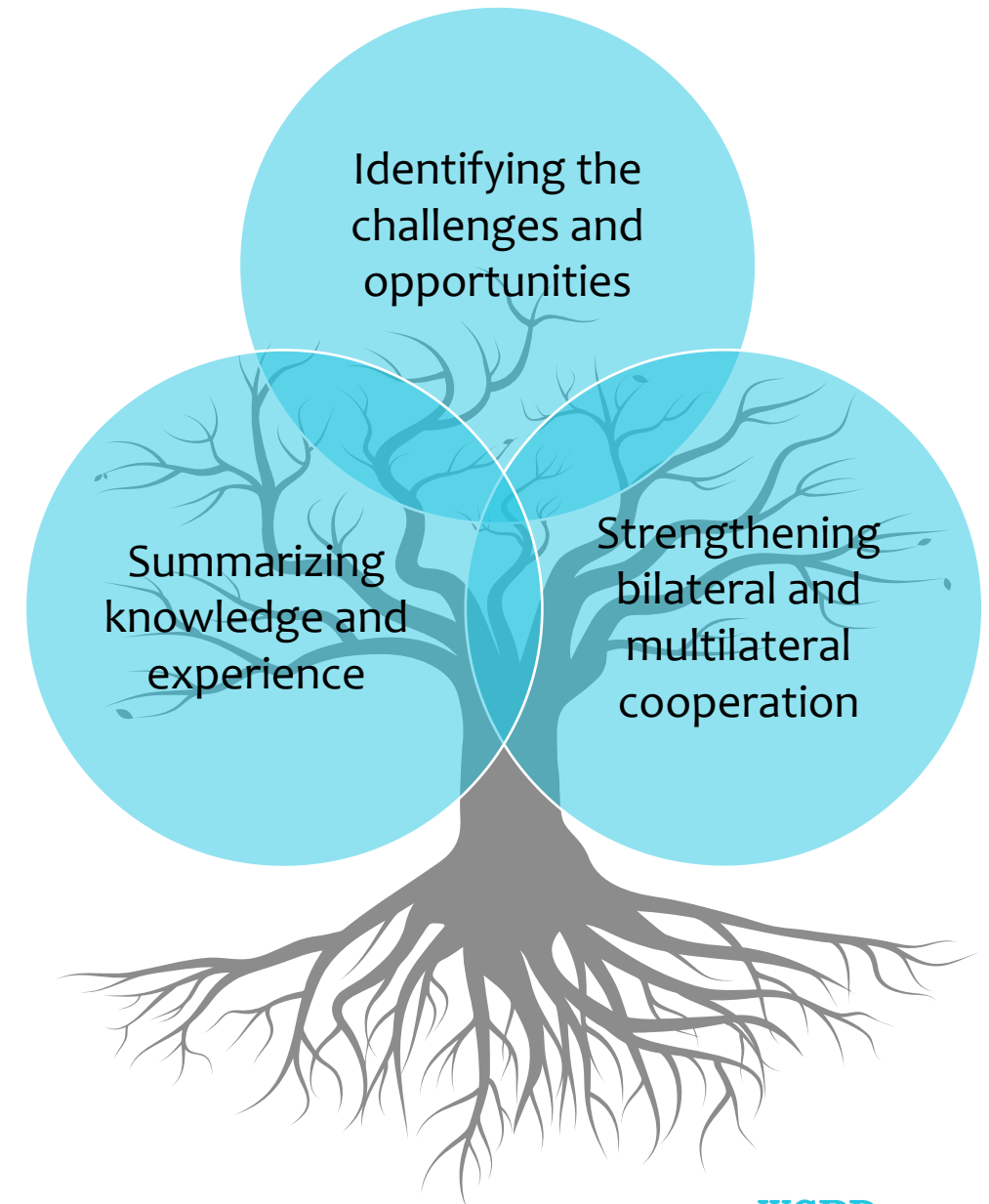
Big data has been providing big help to our audit work. We get audit data, perform audit analysis, discover audit trails and doubtful issues, and acquire risk warnings.....

About INTOSAI WGBD

Who is INTOSAI WGBD?

The Working Group on Big Data (WGBD) is a specialized group approved by the International Organization of Supreme Audit Institutions (INTOSAI) in 2016 aimed at achieving the strategic goal of “knowledge sharing and knowledge services”.

WGBD is responsible for **identifying** the challenges and opportunities toward SAIs in the era of big data, **summarizing** knowledge and experience in the field of big data audit, and **strengthening** bilateral and multilateral technological cooperation.



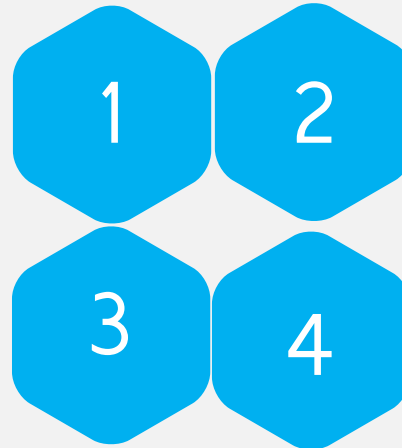
Summarizing knowledge and experience

One of most importance focus of WGBD is summarizing knowlege and experience

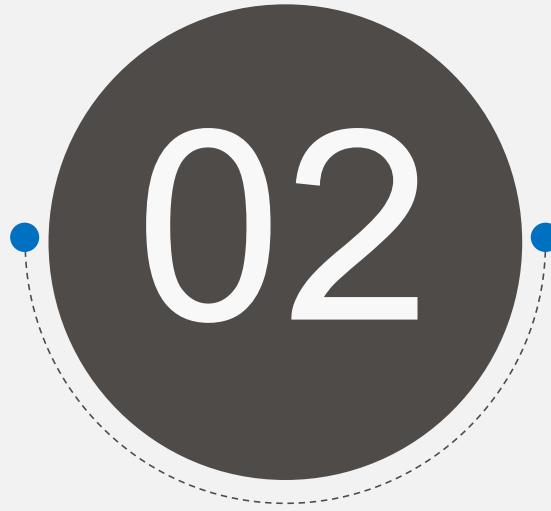
In last 8 years:

WGBD mainly **focuses on 4 parts of areas** which include the Basic theory framework, Auditing technologies innovation, Big data auditing practices, Auditing management revolution.

- 1. Basic theory frame work**
- 3. Big data auditing practices**



- 2. Auditing technologies innovation**
- 4. Auditing management revolution**



Development and Achievements

- ⊙ **Meetings and Seminars**
- ⊙ **Publications**



1. Increasing Members (43+6)

Chair

- China

Vice Chair

- United States of America

Members

- Austria, Argentina, Azerbaijan, Bangladesh, Belgium, Bhutan, Brazil, Chile, Canada, Denmark, Egypt, Ecuador, Estonia, Finland, France, Fiji, Georgia, India, Iran, Indonesia, Kuwait, Korea, Malaysia, Mexico, Netherlands, Norway, New Zealand, Pakistan, Portugal, Philippines, Peru, Russian Federation, Thailand, Turkey, United Kingdom, Ukraine, Samoa, Senegal, Slovak, Vietnam, Zambia,

New Member

- **Azerbaijan, Iran**

Observers

- Ireland, Bulgaria, AFROSAI-E, ECA, **INTOSAI Development Initiative, Malta**



2. Active Participation





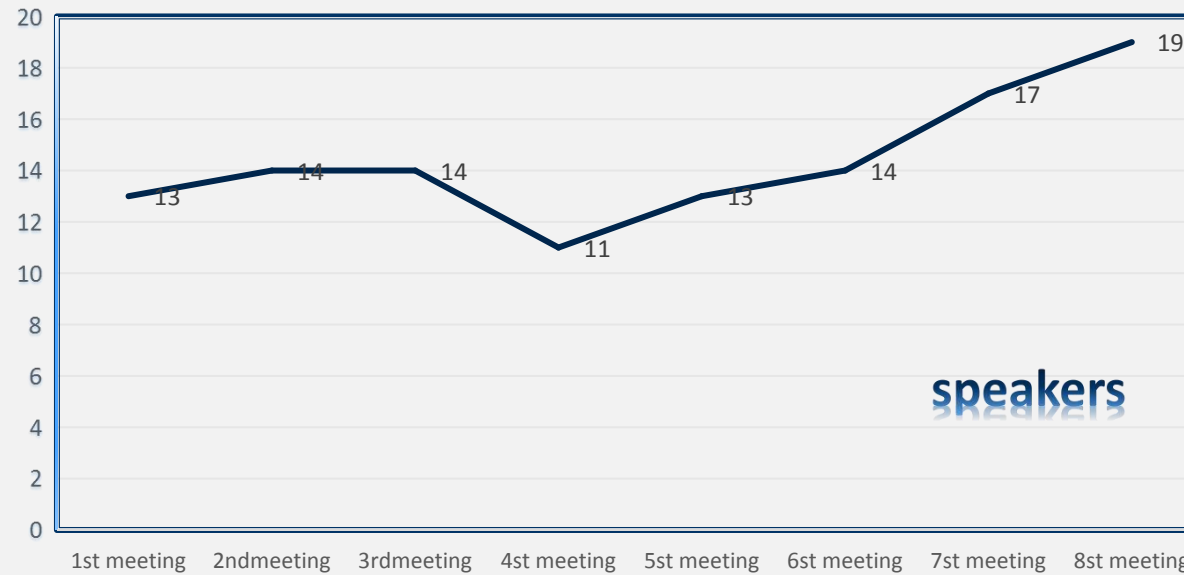
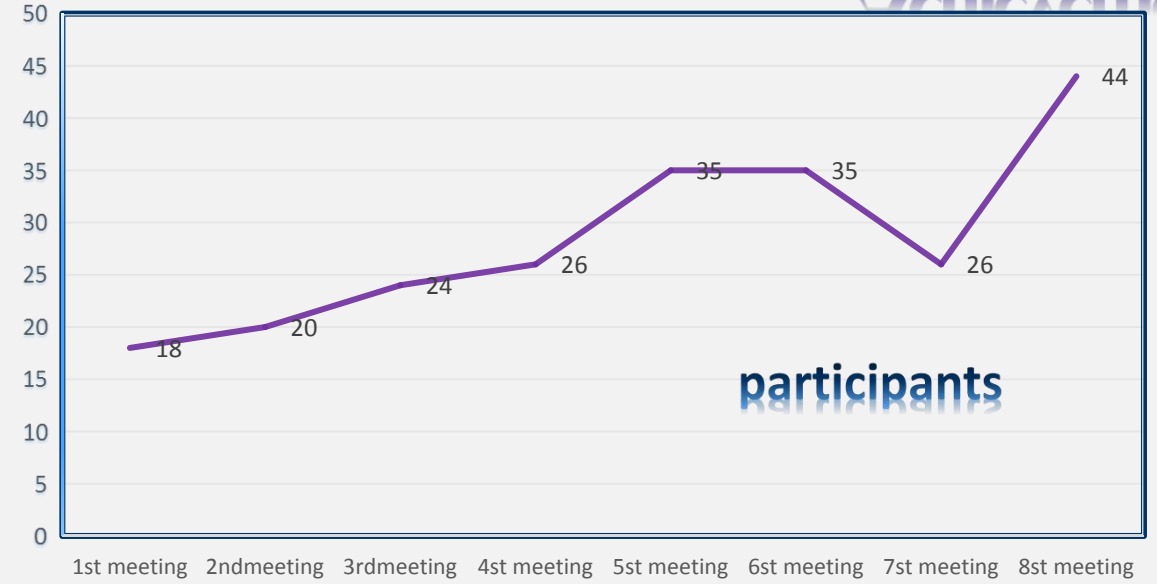
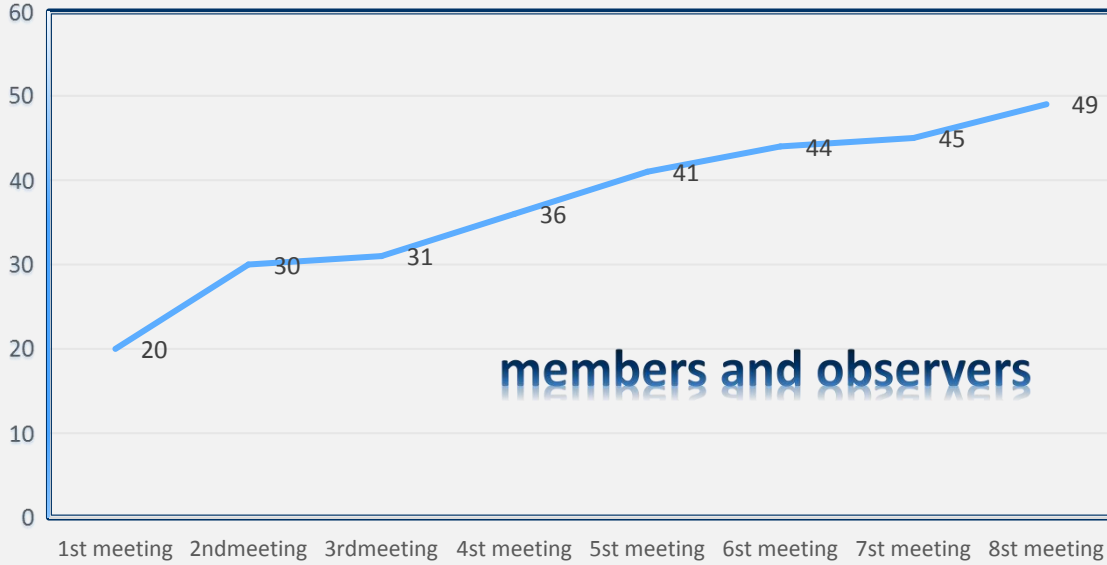
3. Meetings and Seminars

	Members & Observers	Participants	Speakers	Theme
1st Meeting, China	19, 1	18	13	<i>Chance and Challenge in Big Data Era</i>
2nd Meeting, USA	27, 3	20	14	<i>Big Data Auditing Practices and Cases</i>
3rd Meeting, Denmark	28, 3	24	14	<i>Changes on Audit Management in Big Data Environment</i>
4th Meeting, online	33, 3	26	11	<i>Audit Technology Innovation</i>
5th Meeting, online	36, 5	35	13	<i>Audit Quality Control in a Big Data Environment</i>
6th Meeting, online	39, 5	35	13	<i>Working Mechanisms of Big Data Audit</i>
7th Meeting, Egypt	40, 5	26	17	<i>Applicaiton of Big Data in Auditing</i>
8th Meeting, Vietnam	43,6	44	18	<i>Data Governance as A New Preductive Force in Auding—From the Perspective of Data Quality</i>



4. Tendency

Development and Achievements





4. Publications

- **1. Case Study Publication I: World Practices of Big Data Auditing in Promoting Sustainable Development**, compiled by WGBD secretariat, completed in 2019.
- **2. Auditing Technologies Innovation**, led by SAI Indonesia, completed in 2022.
- **3. Guidance on Conducting Audit Activities with Data Analytics**, led by SAI China, completed in 2022.
- **4. Development Overview of Big Data Audits Performed by Supreme Audit Institutions From 2016--2021**, compiled by WGBD secretariat, completed in 2022.
- **5. Case Study Publication II: 12 cases from 10 SAIs**, led by WGBD secretariat

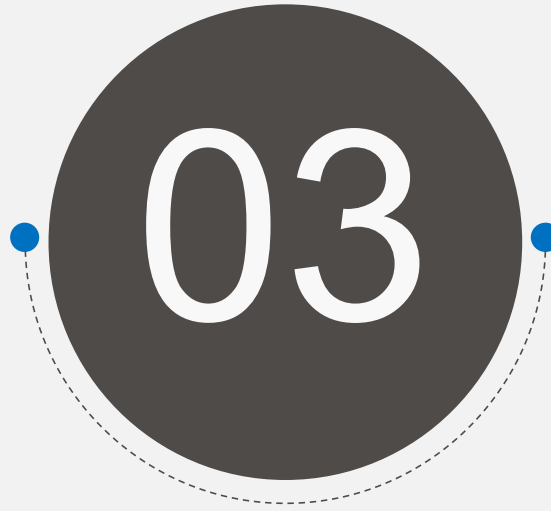
Development and Achievements

<https://www.intosaicommunity.net/wgbd>

<https://www.audit.gov.cn/WGBD>



During the XXIV INCOSAI in 2022, we are invited to showcase the research reports and receive positive feedbacks.



Work in Progress

- ⊙ **Research Projects**
- ⊙ **Next Steps**



2. Research Projects

According to WGBD's 2023-2025 Work Plan. There are three ongoing research projects.

- ✓ **Application of Big Data in the budget Execution Audit**, led by SAI Ukraine, now is building a team.
- ✓ **Big Data Audit in Social Security and Health Service**, led by SAI Brazil, has been completed a research survey.
- ✓ **Artificial Intelligence in Audit Process**, led by SAI India, has been worked out a preliminary research framework.

All projects need to be completed and compiled before 2025.

Today we are delighted to invite SAI Brazil and SAI India to share their project progress.



2. Next Steps

- Further promoting the work to a new level

✓ The three-year work plan of the WGBD is consistent with the cycle of INCOSAI:

WGBD	INTOSAI
2020-2022 Work Plan	2022 XXIV INCOSAI
2023-2025 Work Plan	2025?
2026-2028 Work Plan	2028?

- ✓ Enrich the forms and focus of activities:

	Before	After
Increase the diversity of WGBD activities:	1. Annual meetings 2. Research reports	1. Annual meetings 2. Research reports 3. Small scale and in-depth specialized discussions
Broaden the focus of WGBD work:	1. Member development 2. Experience sharing	1. Member development 2. Experience sharing 3. Talent cultivation and training





Thank you



Email : intosai-wgbd@audit.gov.cn