

May 2021

## THE MATRIX

### Your Quick Guide to Finding IFAC Content on Technology

IFAC has created this Matrix as a quick guide for our stakeholders to help them understand and access the breadth of the technology resources available through IFAC. Initially created as an internal tool, we hope it will be useful for our member organizations and professional accountants.

Featuring content from May 2019–May 2021, the Matrix categorized resources using technology ABCs:

- A: Artificial Intelligence
- B: Blockchain
- C: Cyber-security
- D: Data Governance (& Valuing Data)
- E: Ethics
- Other Tech Content (i.e., content not falling within A, B, C, D or E)

The resources are then further organized according to resource originator, including the IFAC Board's subcommittees, specific stakeholder-focused groups within IFAC, or the independent standard-setting boards.

The Matrix will be updated four times a year and will evolve based on feedback from users. We hope you find the Matrix a useful tool; suggestions for improvement are welcomed.

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## IFAC Technology Initiatives & Content May 2019 - May 2021

(yellow highlight = new content since the previous edition [February 2019-February 2021])

	A Artificial Intelligence	B Blockchain	C Cyber-security	D Data Governance (& Valuing Data)	E Ethics	Other Tech Content
Gateway	<b>Articles</b> <ul style="list-style-type: none"> <li>• <a href="#">AI Decoded - Putting the User at the Core</a> (May 2020)</li> <li>• <a href="#">Machine Learning: More Science Than Fiction</a> (Aug 2019)</li> </ul>	<b>Articles</b> <ul style="list-style-type: none"> <li>• <a href="#">Blockchain Technology: Shaping the Future of the Accountancy Profession</a> (April 2021)</li> <li>• </li> </ul>	<b>Articles</b> <ul style="list-style-type: none"> <li>• <a href="#">Cyber and the CFO</a> (July 2019)</li> </ul>	<b>Articles</b> <ul style="list-style-type: none"> <li>• <a href="#">Building Data Science and Analytics Capabilities in Finance and Accounting</a> (May 2019)</li> </ul> <b>Videos</b>	<b>Articles</b> <ul style="list-style-type: none"> <li>• <a href="#">Ethical Leadership in an Era of Complexity and Digital Change</a> (Feb 2021)</li> </ul>	<b>Articles</b> <ul style="list-style-type: none"> <li>• <a href="#">IFAC &amp; cloudThing's PAO Digital Assessment Tool Part 6: How To Empower Your Sales &amp; Marketing With New Technologies</a> (April 2021)</li> <li>• <a href="#">IFAC &amp; cloudThing's PAO Digital Readiness Assessment Tool Part 5: Is Your PAO Developing Products &amp; Services Efficiently?</a> (April 2021)</li> <li>• <a href="#">IFAC &amp; cloudThing's PAO Digital Assessment Tool Part 4: Effective Talent Management Within A PAO</a> (April 2021)</li> <li>• <a href="#">IFAC &amp; cloudThing's PAO Digital Assessment Tool Part 3: How Close Are You to Adding Automation to Your Business Systems?</a> (March 2021)</li> <li>• <a href="#">Perseverance, Purpose, Power: What Digitalization Means for PAOs</a> (March 2021)</li> <li>• <a href="#">Staff Performance Evaluation in a Virtual Environment &amp; the Hybrid Office</a> (March 2021)</li> <li>• <a href="#">IFAC &amp; cloudThing's PAO Digital Assessment Tool Part 1: How to Assess Your Organization's Culture &amp; Capability Ahead of a Digital Transformation</a> (Feb 2021)</li> </ul>

						<ul style="list-style-type: none"> <li>• <a href="#">Solutions for Staff Onboarding under Remote Work</a> (Dec 2020)</li> <li>• <a href="#">PAO Digital Transformation Series</a> (Nov 2020)</li> <li>• <a href="#">Accountancy Skills Evolution: Impact of COVID-19 &amp; the Path Forward</a> (Nov 2020)</li> <li>• <a href="#">ACCA's Swift Introduction of Remote Invigilation in COVID-19</a> (Oct 2021)</li> <li>• <a href="#">Redefining the Finance Function with Job Redesign</a> (Sept 2020)</li> <li>• <a href="#">Online Examinations During Covid- 19: How MonICPA Turned Disruption into an Opportunity</a> (Sept 2020)</li> <li>• <a href="#">CA ANZ's Rapid Move to Online Exams and Beyond—A Case Study of Six Weeks from Start to Delivery</a> (Sept 2020)</li> <li>• <a href="#">Staging a Successful Virtual Conference - Tips &amp; Tricks</a> (Sept 2020)</li> <li>• <a href="#">How PAOs Can Help SMPs Transform their Businesses with Minimal Cost and Pain</a> (Aug 2020)</li> <li>• <a href="#">From Essential to Indispensable: Five Steps to Navigating the COVID-19 Storm</a> (Aug 2020)</li> <li>• <a href="#">SMP Pacesetters Embracing Technology</a> (Aug 2020)</li> </ul> <p><b>Videos</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Weekly Webinar Series – 'Practical Audit Quality Considerations for Auditing in the Pandemic Environment - Planning, Execution, Auditor Reporting and Looking Ahead' - Contains Practical Content re Use of Tech in Audit during COVID</a> (July 2020)</li> </ul>
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IFAC Board Technology Advisory Group	<b>IFAC Council Panel Sessions:</b> <ul style="list-style-type: none"> <li>• Nov 2019 - Technology Panel Discussion</li> <li>• Nov 2019 - Presentations from Inflo and MindBridge AI - Data Analytics Software Firms</li> </ul>	<b>Webinar</b> <ul style="list-style-type: none"> <li>• <a href="#">IFAC ABC Webinar Crypto Assets</a> (Mar 2020)</li> </ul>	<b>Articles</b>	<b>Articles</b>	<b>Articles</b>	<b>Articles</b>
Professional Accountants in Business	<b>Articles</b>	<b>Articles</b>	<b>Articles</b>	<b>Articles</b> <ul style="list-style-type: none"> <li>• <a href="#">Supporting Accountants in Business &amp; Public Sector Through Uncertain Times (pages 12-13)</a> (May 2020)</li> <li>• <a href="#">Supporting Accountants in Business &amp; Public Sector Through Uncertain Times - session 'Key areas of data for PAIBs' (Pages 12 - 13)</a> (May 2020)</li> <li>• <a href="#">Ten Improvements in Data Quality Provided by the Internet of Things</a> (Feb 2020)</li> <li>• <a href="#">Understanding and Communicating Value Creation - session 'The value of data' (pages 7-8)</a> (Nov 2019)</li> <li>• <a href="#">Article: The CFO and Finance Function Need to Enable the Value of Data</a> (Nov 2019)</li> </ul>	<b>Articles</b>	<b>Articles</b>



				<ul style="list-style-type: none"> <li>• <a href="#">Future Ready Accountants in Business (session Building Data Science and Analytics Capabilities in Finance and Accounting - pages 8 - 9)</a> (May 2019)</li> </ul>		
Small and Medium-sized Practices	Articles	Articles	Articles <ul style="list-style-type: none"> <li>• <a href="#">Cybersecurity is Critical for all Organizations - Large and Small</a> (Nov 2019)</li> </ul>	Articles	Articles <ul style="list-style-type: none"> <li>• <a href="#">Ethics, Technology, and the Professional Accountant in the Digital Age   IFAC</a> (April 2021)</li> </ul>	Articles <ul style="list-style-type: none"> <li>• <a href="#">Staff Performance Evaluation in a Virtual Environment &amp; the Hybrid Office   IFAC</a> (March 2021)</li> <li>• <a href="#">Future of SMPs: Lessons from the Crisis and Practice Transformation   IFAC</a> (March 2021)</li> <li>• <a href="#">Solutions for Staff Onboarding Under Remote Work</a> (Jan 2021)</li> <li>• <a href="#">5 Steps to Consider When Making Technology Investments</a> (May 2020)</li> <li>• <a href="#">Key Factors in Evaluating Software Investment</a> (Jan 2020)</li> <li>• <a href="#">New Tool for SMPs Aims to Improve Digital Competency</a> (Nov 2019)</li> </ul>
Accountancy Education	<ul style="list-style-type: none"> <li>• <a href="#">Building on the Education Summit's Success to Transform Learning and Development</a> (Jan 2021)</li> <li>• <a href="#">PAOs Counting on Each Other—The Race to Online Examinations During COVID-19 - (Case Studies - Scroll to Bottom of Page)</a> (August 2020)</li> <li>• <a href="#">IFAC Virtual Knowledge Sharing Event on Online Examinations</a> (June 2020)</li> <li>• <a href="#">IFAC International Panel on Accountancy Education Conversations with Experts - Ethics</a> (June 2020)</li> </ul> <p>Call to Action</p> <ul style="list-style-type: none"> <li>• <a href="#">Re-imagining the Future Accountant—Our Call to Action</a> (Jan 2020)</li> </ul> <p>E Tool</p> <ul style="list-style-type: none"> <li>• <a href="#">IFAC Accountancy Education E-Tool</a></li> </ul>					



	<p>Revised Education Standards</p> <ul style="list-style-type: none"> <li>• <a href="#">Oct 2019 - IESs addressing learning and development for information and communications technologies (ICT) and professional skepticism</a></li> <li>• <a href="#">Oct 2019 - Information and Communications Technologies Non-Authoritative Learning Outcomes - Implementation Support Material</a></li> </ul>
Professional Accountancy Organization Development	<p>Publication</p> <ul style="list-style-type: none"> <li>• Nov 2017- <a href="#">Information and Communications Technology (ICT) - Guide for Professional Accountancy Organizations in Africa</a></li> </ul>
Transnational Auditors Committee	<ul style="list-style-type: none"> <li>• Regular engagement with SSBs (particularly IAASB and IESBA) work programs and focused agenda items at meetings</li> <li>• Contributes and supports IFAC (and TAG) as requested with numerous tech initiatives (e.g., providing speakers from Forum of Firms)</li> </ul>
International Auditing and Assurance Standards Board	<ul style="list-style-type: none"> <li>• <a href="#">Technology focus area webpage</a></li> <li>• <a href="#">Overreliance on Automated Tools and Techniques (March 2021)</a></li> <li>• <a href="#">Summary of Research into Technology Disruption in Audit and Assurance (January 2021)</a></li> <li>• <a href="#">Non Authoritative support material for Using Automated Tools and Techniques when identifying risks of material misstatement (November 2020)</a></li> <li>• <a href="#">New Support Materials for Using Automated Tools and Techniques in Audit Procedures (September 2020)</a></li> <li>• <a href="#">IAASB Technology Initiative Page</a></li> <li>• <a href="#">Non-Authoritative Support Material Related to Technology: Audit Documentation when Using Automated Tools and Techniques (Apr 2020)</a></li> <li>• <a href="#">May 2019 - IAASB Tech Talk</a></li> <li>• <a href="#">Nov 2019 - IAASB Tech Talk</a></li> </ul>
International Ethics Standards Board for Accountants	<ul style="list-style-type: none"> <li>• <a href="#">IESBA Technology Initiative Page</a></li> <li>• <a href="#">Feb 2020 - IESBA Tech Working Group Phase 1 Report Executive Summary</a></li> <li>• <a href="#">Dec 2019 - IESBA Technology Initiative, Phase 1, Final Report</a></li> </ul>
International Public Sector Accounting Standards Board	<ul style="list-style-type: none"> <li>• IPSASB monitoring stakeholder input for where 'technology' support may be useful. Currently no dedicated ongoing/identified initiatives raised by stakeholders. Monitoring continues.</li> </ul>