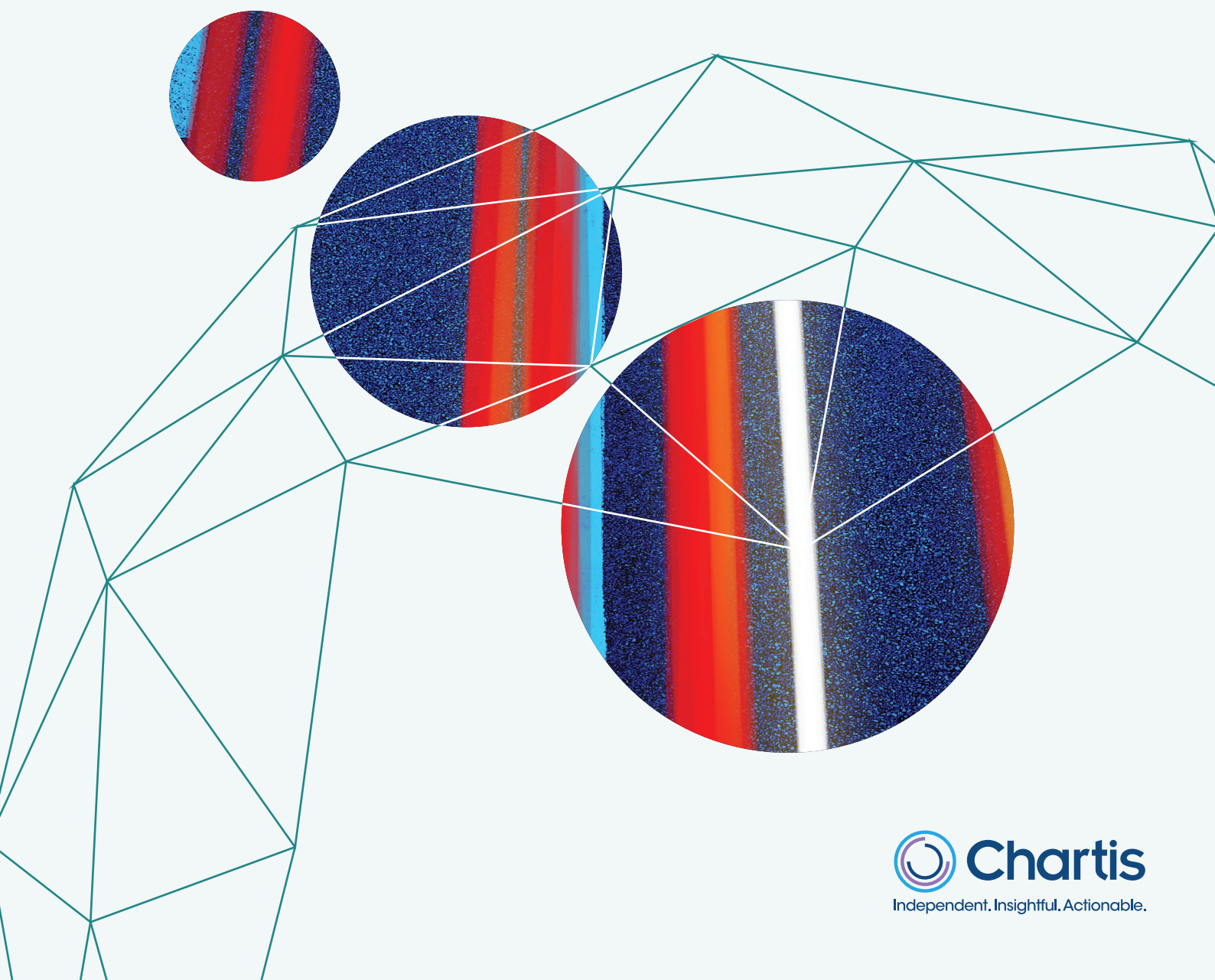


Chartis Research – Research Agenda

Q2 2020 Update

Including Q1 2021





Chartis Research is the leading provider of research and analysis on the global market for risk technology. It is part of Infopro Digital, which owns market-leading brands such as Risk and WatersTechnology. Chartis' goal is to support enterprises as they drive business performance through improved risk management, corporate governance and compliance, and to help clients make informed technology and business decisions by providing in-depth analysis and actionable advice on virtually all aspects of risk technology. Areas of expertise include:

- Credit risk.
- Operational risk and governance, risk and compliance (GRC).
- Market risk.
- Asset and liability management (ALM) and liquidity risk.
- Energy and commodity trading risk.
- Financial crime including trader surveillance, anti-fraud and anti-money laundering.
- Cyber risk management.
- Insurance risk.
- Regulatory requirements including Basel 2 and 3, Dodd-Frank, MiFID II and Solvency II.

Chartis is solely focused on risk and compliance technology, which gives it a significant advantage over generic market analysts.

The firm has brought together a leading team of analysts and advisors from the risk management and financial services industries. This team has hands-on experience of implementing and developing risk management systems and programs for Fortune 500 companies and leading consulting houses.

Visit www.chartis-research.com for more information.

Join our global online community at www.risktech-forum.com.

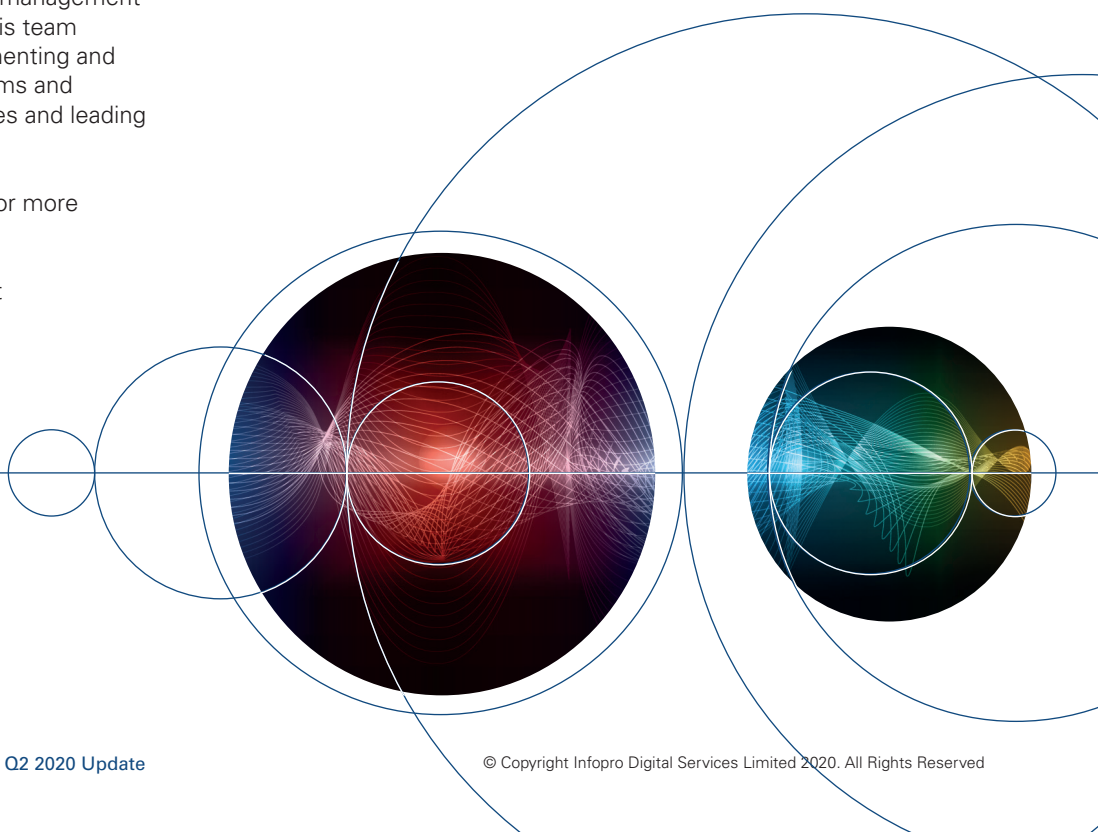
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1. Introduction

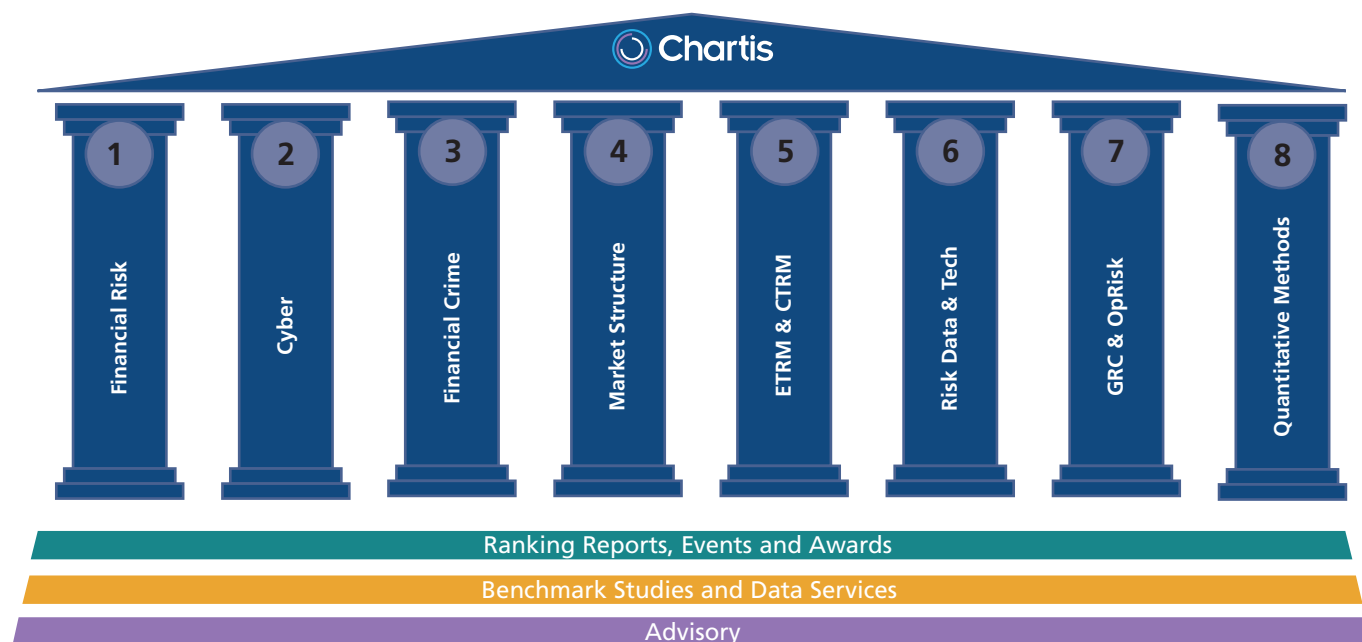
This short report is the first of our quarterly updates in which we review our research agenda and extend it by one quarter. Our aim is to give our clients a rolling full-year view of our planned research so they can prepare accordingly.

Companies and organizations in all sectors of the global economy are assessing and revising their plans in light of the COVID-19 pandemic. At Charts, like our clients, we are tackling issues around resourcing and availability for the briefings and documentation our rigorous research process requires. To reflect this, we have reviewed our planned agenda and may delay some reports to reduce the demands on our clients during this unprecedented time.

This update proposes some changes to our **published 2020 agenda**, and several new reports for Q1 2021.

The agenda follows our previously outlined pillar structure (see Figure 1; for more detail on the pillars, see our **published agenda**).

Figure 1: Chartis Research – our research pillars



Source: Chartis Research

2. Q2 2020 Agenda Update, to Q1 2021

In the following sections we:

- Detail any refinements to our previously published subscription reports schedule for Q2 to Q4 2020.
- Provide a new schedule for Q1 2021 (see Figure 2).

We also provide an updated indicative plan for topic areas we intend to cover in our custom and sponsored work. While we have made few additions to the custom plan for Q1 2021 at this stage, we will revisit it in more detail in the next update.

If a research area in the proposed custom plan is of particular interest to you, please contact us for details about possible participation or collaboration.

As always, we welcome comments from clients and readers on these and other topics.

Core Subscription Reports: Q2 2020 Update

- **Financial Risk.** This is perhaps the broadest of our pillars, and covers the core areas of market, credit and liquidity risk, asset and liability management (ALM) and related control activities. Given the need for our clients to focus on the impact of COVID-19, to accommodate briefings we have delayed the planned report on Enterprise Market Risk. Our aim is to add this to the agenda in mid-2021.

In addition to the remaining subscription reports planned for 2020, two reports are now scheduled for Q1 2021:

- *Portfolio Risk.* This report will look at the issues, trends and technologies in the increasingly complex portfolio space.
- *Treasury Systems.* Treasury is a vital part of any organization. This report will consider the key requirements and developments in this space, and analyze the supporting technology

Figure 2: Chartis Research – updated research agenda to Q1 2021

	Quarter 2 2020	Quarter 3 2020	Quarter 4 2020	Quarter 1 2021
Financial Risk	IFRS 17 and LDTI 2 Quadrants	ALM 2 Quadrants	Liquidity 1 Quadrant xVA Analytics 2 Quadrants	Portfolio Risk 1 Quadrant Treasury Systems 3 Quadrants
Cyber		Cyber Risk Quantification 1 Quadrant		Cyber Risk Threat Intelligence 1 Quadrant
Financial Crime		AML/KYC Solutions 2 Quadrants	Enterprise Fraud Analytics 1 Quadrant Communications Monitoring 1 Quadrant	
Market Structure				Operational Resilience 4 Quadrants
ETRM & CTRM	ETRM Systems 2 Quadrants	Pricing and Curves 1 Quadrant	Operational Risk 2 Quadrants	CTRM Systems 2 Quadrants
Risk Data & Tech		Fixed Income and Evaluated Pricing 2 Quadrants	Credit Data 2 Quadrants	
GRC & OpRisk			Enterprise GRC Solutions 7 Quadrants	CLM CIB 1 Quadrant CLM Wealth 1 Quadrant
Quantitative Methods		STORM – Perf Attribution 1 Quadrant	Retail Credit Pricing 2 Quadrants STORM – Credit Pricing Optimiztn 1 Quadrant	STORM STORM – Credit Portfolio Mgmt 1 Quadrant STORM – Reverse Stress Testing 1 Quadrant STORM – OTC Derivatives Pricing 1 Quadrant

Colors correspond to Chartis report types: light blue for Market Quadrant reports, and green for Market Insight reports.
Source: Chartis Research

and systems. This part of the market is seeing much innovation, with changes to functional approaches and supporting technology.

- **Cyber.** Publication of our 2020 Cyber Risk Quantification report is scheduled for Q3 2020. A further report is planned in Q1 2021:

- *Cyber Risk Threat Intelligence.* A new research area for Chartis, Threat Intelligence is the process of identifying the cyber threats an entity has been exposed to, or can expect to face, and then proactively addressing these.

- **Financial Crime.** In 2020 we plan to deliver three subscription reports. During our planning for these, we have identified a growing need for more detailed analysis of transactions and communications monitoring.

As a result we have split our final report of 2020 into two separate documents. One report (in Q4 2020) will focus solely on Communications Monitoring; Transactions Surveillance will be addressed in another report in 2021.

In Q1 2021 we will start research for reports due in Q2 and Q3 2021; these will be detailed in subsequent agenda updates.

- **Market Structure.** In a change to our previous agenda, our report on Margin and Collateral is now scheduled for Q2 2021. We anticipate lengthy briefings for it, which we will have to conduct at a later time.

In Q1 2021 we plan to deliver a new report on Operational Resilience. This area is already under intense scrutiny from regulators and supervisors, and is becoming more important than ever as the impact of the COVID-19 pandemic unfolds.

This new report will consider developments in regulatory and supervisory expectations and requirements, and explore the lessons learned and subsequent trends in industry approaches and internal needs.

- **Energy and Commodities Trading Risk Management.** No changes to the published 2020 schedule are planned. One new report is planned for Q1 2021:

- *CTRM Systems.* In this report we analyze Commodity Trading Risk Management Systems, returning to an area of risk we have not studied in detail since 2017.

- **Risk Data and Technology.** No new reports are planned for Q1 2021.

- **GRC and OpRisk.** In Q1 2021 we plan several reports on Customer Lifecycle Management, building on a planned custom report on CLM+ due in Q3 2020. The first two of these sector-specific reports will arrive in Q1 2021:

- *CLM CIB.* This report will focus on the commercial and investment banking segment of the financial services industry.

- *CLM Wealth.* This report will examine the growing area of CLM in wealth management.

- **Quantitative Methods.** Given the continued return to prominence of analytics across the financial industry, we plan a busy research schedule for this pillar. In Q1 2021 we plan to issue three STORM quadrant reports:

- *STORM – Credit Portfolio Management.*

- *STORM – Reverse Stress Testing.*

- *STORM – OTC Derivatives Pricing.*

Planned Custom/Sponsored Reports: Q2 2020 Update

While our agenda for custom and sponsored reports is more flexible, and likely to change during the year, our planned research areas are shown in Figure 3 (subject to identifying and agreeing research-sponsor partners).

Rankings

No additions to our rankings are planned, while the COVID-19 pandemic may impact the potential for live events. Nevertheless, we are continuously assessing the situation and, irrespective of any impact on physical awards ceremonies, rankings (and their associated awards) will proceed.

We have started the research process for our RiskTech100® 2021 ranking, and will be contacting all potential entrants in Q2 2020.

Figure 3: Chartis Research – current projection for custom/sponsored reports, to Q1 2021

	Quarter 2 2020		Quarter 3 2020		Quarter 4 2020		Quarter 1 2021	
Financial Risk	Asset-Backed Securities	Financial Risk	Climate Risk – A Financial Disaster?		The Future of Treasury			
Cyber		Cyber Risk	Cyber Risk Architecture – Design for Defense					
Financial Crime				Financial Crime				
Market Structure			Exchange on a Chip		Economics of Messaging and Communications			Managed Services
ETRM & CTRM		Energy50	Climate Risk – Operationalizing Renewables into the Grid					
Risk Data & Tech			Advances in Data Technology (e.g., GPU, HPC)		Alternative Data		HPC and Scalable Grids on the Cloud	Risk Data Risk Technology
GRC & OpRisk			CLM+ The Future of CLM		Third-Party Risk		GRC+ The Future of GRC	
Quantitative Methods				Indexes and Benchmarking	STORM50		ROI and Loss Containment	ROI Modeling Pricing Loss Containment

Colors correspond to Chartis report types: orange for sponsored Thought Leadership reports, green for Market Insight reports, red for Rankings.
Source: Chartis Research

Contact us

As our research agenda will be updated quarterly, it may be subject to adjustment.

If you would like to discuss the agenda in more detail, or are interested in working with us on a custom/sponsored report (either one on the current agenda or in a focus area important to you), please contact your account manager or email: info@chartis-research.com.