



# QTEM

QUANTITATIVE TECHNIQUES  
FOR ECONOMICS & MANAGEMENT

ANNUAL REPORT 2020-2021

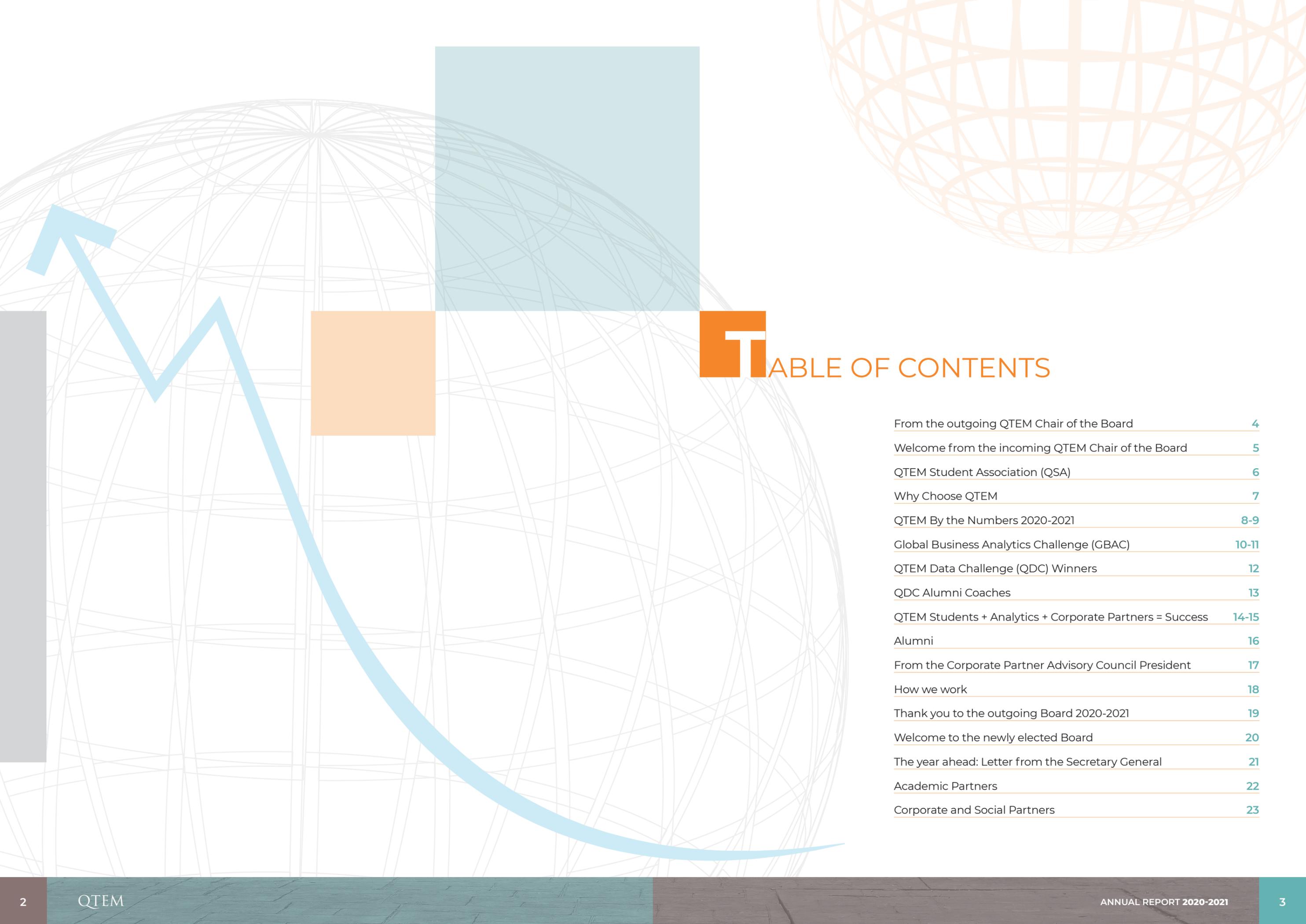


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**Federico Pasin**  
*HEC Montréal*

## FROM THE OUTGOING QTEM CHAIR OF THE BOARD

**O**ne year ago, we could not have imagined the resiliency and creativity we would rely on and inspire in each other as we faced together another year of Covid challenges. And in these unprecedented times, our thoughts and sympathies continue to go out to all who have been affected.

As we conclude the eighth year at QTEM, I also conclude my term as Chair of the Board. I will continue to serve on the Board and wish to thank all QTEM Deans and colleagues for placing their confidence in me these past years. It has been a pleasure to work with you and to see the Network grow and flourish. I look forward to our continued work ahead. I also wish to congratulate the new Board members: you have the support and dedication of a remarkable network and I look forward to seeing the next phase of QTEM's development.

## WELCOME FROM THE INCOMING QTEM CHAIR OF THE BOARD

**A**s the new Chair of the Board, I would first like to thank the outgoing Board for their dedication and leadership. In particular, I would like to thank Professor Pasin for his outstanding leadership as Chair. He has left rather large shoes to fill! It has been a great pleasure serving with them all, and I'm sure you'll agree with me that the Board has created an exceptional foundation from which QTEM can flourish and succeed. I would also like to thank the QTEM community for placing their trust and confidence in myself and the newly elected Board.

As QTEM begins its ninth year, we are continually heartened by the QTEM experience and its necessity in a data-driven, globally connected world. As we look ahead, we are confident in our ability to innovate and adapt to the complexities and challenges of a swiftly changing work and educational landscape, made ever more pressing by the Covid crisis. We look forward to working together with our stakeholders to ensure our students continue to receive an exceptional experience - one that prepares them to use analytics to solve problems and become tomorrow's leaders.



**Michaela Rankin**  
*Monash Business School*

# QTEM

## Student Association (QSA)

Four years after the creation of the QTEM Student Association (QSA), many aspects of it evolved while the basic principles of sharing, respect and diversity remain intact. Evidently, those principles are essential to the association's main goal of fostering a student community and network. Even in the face of a global pandemic, the QSA increased the pace of activities and outreach to our members. With the help of the outgoing Executive Board, the vast majority of activities were transitioned to an online format, gaining an even larger global audience and enhancing contact, such as introducing QTEM alumni or welcoming newcomers.

Two main quiz events hosted over sixty participants each and gathered QTEM students from around the globe in a two-hour session full of teamwork, 'break the ice' activities, and much fun. Our thirteen clubs hosted over forty events such as "Meet the Alumni" and GMAT sessions aimed at untangling requirements and study materials, solving real questions together and providing useful tips to ace the exam.

Lastly, we are particularly proud of our "Meet the Club" initiative which introduced local clubs and served to guide future and current students in finding their ideal exchange destination.

As an individual and now part of the Executive Board, my goal for this year is to work closely with local representatives to create a more unified network which pushes everyone's strengths to the forefront. Along with the QSA, we are looking forward to enhancing our connections with each other and reaching new levels of excellence.



**Tom Rigal**  
QTEM Student Association President  
Solvay Brussels School  
of Economics and Management

## WHY CHOOSE QTEM

While much of the year looked a lot like the screen below, the remarkable spirit and talent of QTEM students still shines through. While physical exchanges were limited due to Covid, QTEM students still acquired global, digital group work and professional experience thanks to the GBAC and an obligatory analytical internship, preparing them to tackle complex business problems with cultural understanding, analytical training and real-world experience. So why did they choose the extra rigors of the QTEM program?

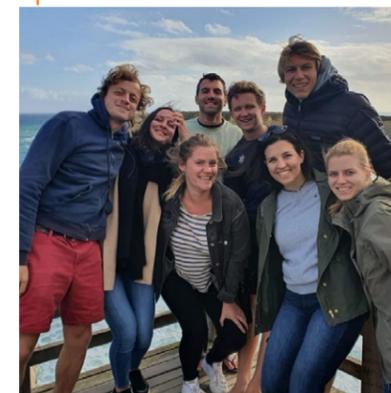


Lausanne

"Choose QTEM if you want to make friends all over the world!"  
Robin



Melbourne



QSA ONLINE MEETING

"QTEM is not just a program, it is a journey!"  
Domenico



Rome



"QTEM changed my life: the chance to live in places that are so different culturally is a challenge that allows you to develop problem-solving skills with the right attitude."  
Laura



Oslo



"The QTEM program represents a unique opportunity for ambitious and curious students who want to live their student lives to the fullest."  
Gianmarco

# QTEM 2020-2021 BY THE NUMBERS



**200**  
EXCHANGES

**417**  
STUDENTS

**371**  
ALUMNI

**11**  
CORPORATE PARTNERS

**16**  
COUNTRIES WHERE YOU'LL FIND QTEM

**4**  
CONTINENTS WHERE YOU'LL FIND QTEM

**118**  
GBAC PARTICIPANTS

**24**  
ACADEMIC PARTNERS

**50%**  
MEMBER UNIVERSITIES WITH TRIPLE CROWN ACCREDITATION

**1 065**  
FACEBOOK LIKES

Hey, don't forget to like us!

**268**  
INSTAGRAM FOLLOWERS

Hey, don't forget to follow us!

**1 279**  
LINKEDIN FOLLOWERS

**7**  
7 CENTRAL QTEaM MEMBERS

**1**  
SOCIAL PARTNER

**13**  
STUDENT CLUBS

**2**  
UNOFFICIAL QTEaM MASCOTS

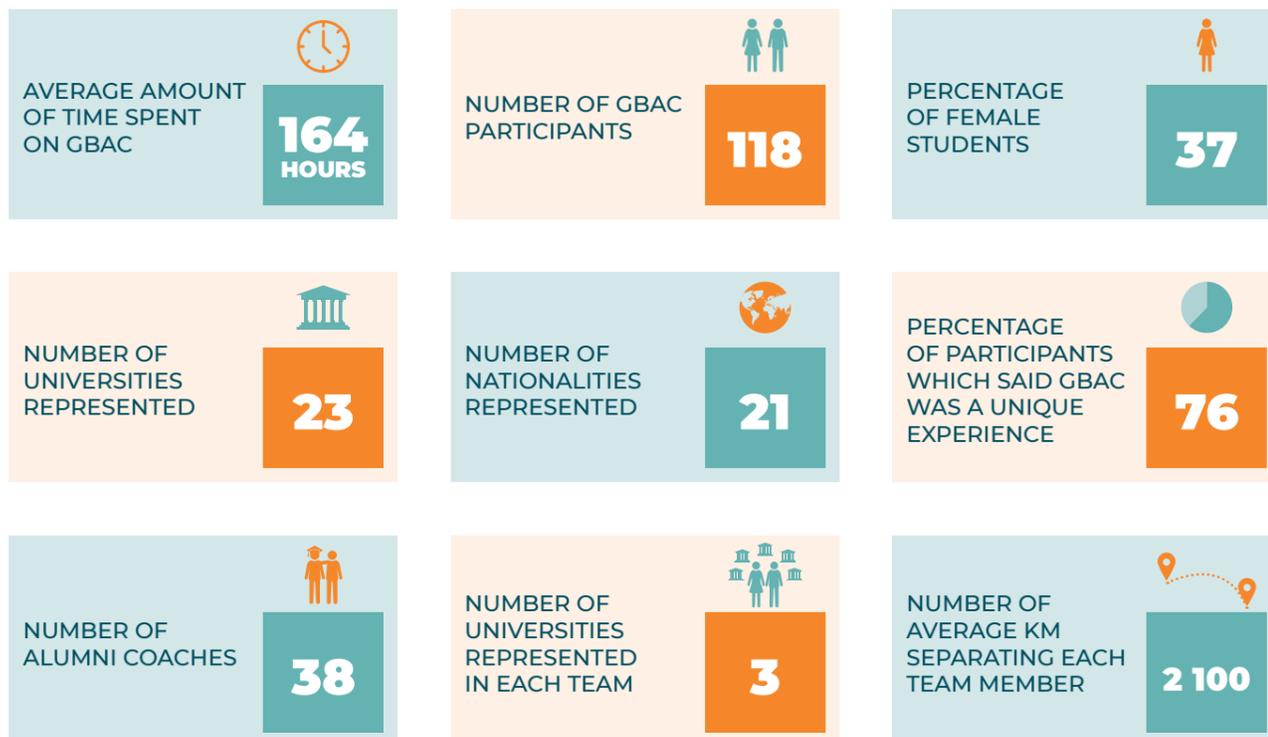
*Chief*

*Eddie*

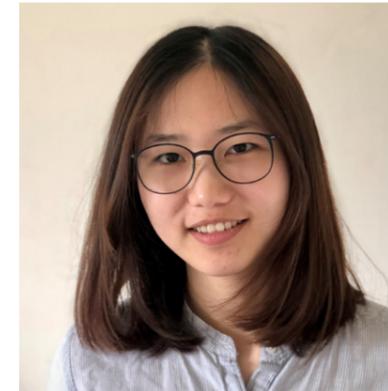
# GLOBAL BUSINESS ANALYTICS CHALLENGE (GBAC)

## GBAC BY THE NUMBERS

The Global Business Analytics Challenge successfully completed its second year. By completing two online trainings with industry and academic experts prior to the QTEM Data Challenge (QDC), students gain and sharpen analytical skills. This year's online trainings were Data Science and Digital Leadership. During the QDC, students then have the chance to apply this knowledge to real life business environments in a global, distanced, and online environment - skills that are especially relevant in today's world. During the QDCs, students could work on anonymized data sets from Corporate Partner Millennium bcp or publicly available data sets related to Covid. In both cases, students were challenged to provide insight and creative solutions based on an analysis of the data. These realistic challenges and experiences of the GBAC are a cornerstone of the QTEM program and what prepares our students to graduate as leaders in using data and analytics to solve problems in business and beyond.



## TESTIMONIALS



**Yunman Jiang**  
BI Norwegian Business School

“The GBAC was an important factor during my job interviews. It set me apart as a good candidate because it showed my ability to solve managerial problems using data analytics and provide reasonable solutions.”

“For me the GBAC was unlike any previous assignment from my studies. With its level of independence, complexity and business relevance, this unique challenge really transcended the ‘school setting’ I was used to. It was a very educational--but most of all fun--experience.”



**Christiaan Stout**  
University of Amsterdam



**Jovelson Aguilar**  
FEP-U. Porto

“Participating in GBAC was an amazing experience to develop both technical and soft skills, as I had the opportunity to work with colleagues from different nationalities, universities and programs, using data mining tools.”

# QTEM DATA CHALLENGE (QDC) WINNERS

This year's QDC saw two competitions: the 2020 Millennium Challenge: Customer Digitalization Strategy and Cracking Covid: Using Analytics to Cope with the Pandemic. Due to Covid, the 2019-2020 QDC final took place exclusively online. Three teams composed of two or three students from around the globe, presented their analyses and insight on anonymized data provided by Millennium bcp to a panel of academic experts and Millennium representatives. Thank you to Millennium bcp, all participants, coaches, and judges - and congratulations to the winners!



THE WINNING TEAM:  
SPAGHETTI ANALYTICS



Deyu Liu  
BI Norway



Gianlorenzo Gai  
Luiss

Coached by



Marco Ostillio  
Luiss alumnus



2<sup>ND</sup> PLACE TEAM:  
TANGRAM



Éva Mucsi  
UvA



Jérémi Deblois-Beaucage  
HEC Montréal

Coached by



Emma Declercq  
SBS-EM alumna



3<sup>RD</sup> PLACE TEAM:  
X MARKZ THE SPOT



Xumei Zeng  
Exeter



Marion Verley  
EDHEC



Kashmeel Bisseru  
BI Norway

Coached by



Patrice Le  
HEC Lausanne alumnus

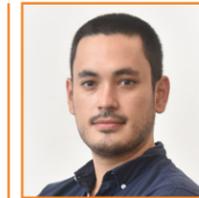
Best Speaker Award



# QDC ALUMNI COACHES

Part of what makes the QDC such a unique and exceptional experience is not only the involvement of QTEM corporate partners, but increasingly QTEM alumni. The past year has seen a dramatic increase of alumni participating as coaches to the QTEM teams: 38 to be precise! Representing 10 universities in the network, alumni are uniquely situated to aid students in their fundamental understanding of the QDC and the QTEM experience, and also how this competition impacts careers and real-world learning. Thank you to our alumni coaches!

## MEET SOME OF OUR ALUMNI COACHES



Santiago Veintimilla  
PoliMi

*Coaching students at QDC was a great opportunity to stay actively connected within the QTEM community. It was energizing to see such motivated and gifted students push themselves towards delivering excellent quantitative analyses and presentations. QTEM students can't be underestimated!*

*I became a QDC coach to share with others some of the practical knowledge that I have gained through my data science career and to get some fresh views on how to address a complex problem with a new perspective. Real life is a lot messier than academia and the QDC is a great first approach to data science projects.*



Emma Declercq  
Solvay Brussels School of Economics and Management



Loïk-Maël Nys  
Solvay Brussels School of Economics and Management

*The QDC gives students the opportunity to fully embrace the power of analytics on real-life use cases. It is basically the ultimate way to master how to answer business problems with data. What made it memorable to me is that the challenge had been framed in such a realistic way that I got caught up in it and truly wanted the team to find an innovative solution.*



Kashmeel Bisseru  
BI Norway

*Having previously been a QDC participant with an amazing coach, I was motivated to emulate my coach's contribution. My two coaching experiences have been enriching both as a guide for my respective teams and as a learner collaborating with industrious QTEM students.*

QTEM STUDENTS  
 + ANALYTICS  
 + CORPORATE PARTNERS  
 = SUCCESS

One of the cornerstones of the QTEM program are Corporate Partners. Students have the opportunity to learn from and access leading corporations and organizations, while these partners have access to top talent. This year we were pleased to present several online gatherings to bring students and Corporate Partner experts and expertise together. From *A Career in Banking* with Santander and Millennium bcp; to *Crack the Case* with McKinsey & Company; to *Working in the FinTech Ecosystem: Insights, Challenges & Career Paths* with EY, students had the chance to experience the professional world and the power of data and analytics.



VIRTUAL WORKSHOP ACTIVITY  
**CRACK THE CASE**

**APRIL 8 19:00 HRS**

- A QTEM exclusive activity
- Hands-on experience in solving a business case the "McKinsey way"
- Save your spot (limited seats)



TELECONFERENCE  
**A career in Banking**

**27 MAY** 12 hrs CET




**ANDRES BIANCHI**  
 Global HR Transformation  
 Director at Banco Santander  


**TARCÍSIO PONTES**  
 Head of HRBP at  
 Millennium BCP  


**WORKING IN THE FINTECH ECOSYSTEM:  
 INSIGHTS, CHALLENGES AND CAREER PATHS**



Building a better  
 working world



QTEM  
 STUDENTS AND ALUMNI  
 ARE INVITED TO JOIN

**CARLO ALBERTO MINASI**  
 EY'S CHIEF INNOVATION OFFICER  
 & GROWTH DRIVERS LEADER,  
 FINANCIAL SERVICES

FOR THIS GROUNDBREAKING WEBINAR

**26 FEBRUARY  
 12:00-13:30 CET**

REGISTER BY 25 FEBRUARY @ [WWW.QTEMSA.ORG/EVENTS-1](http://WWW.QTEMSA.ORG/EVENTS-1)




# ALUMNI

## FROM THE CORPORATE PARTNER ADVISORY COUNCIL PRESIDENT



### TOP REASONS FOR CHOOSING QTEM:



### POSITIVE NET PROMOTER SCORE:



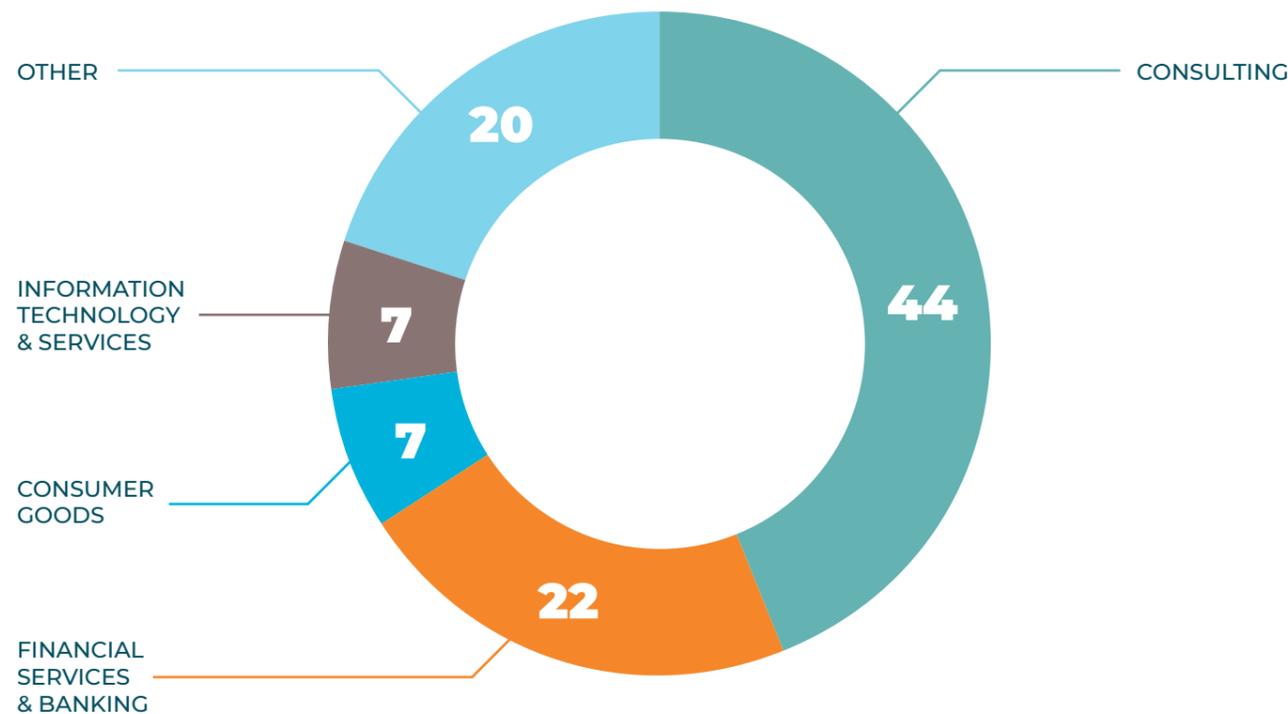
### % ALUMNI WHO FOUND JOB BEFORE GRADUATING:



### % ALUMNI WHO FOUND JOB WITHIN 3 MONTHS OF GRADUATION:



### % ALUMNI PER INDUSTRY:



After another year of uncertainty and adaptation, QTEM is keeping up with the new conditions and still able to provide high quality programmes for their students, as well as valuable candidates for their corporate partners.

Online learning and recruiting are now a part of the equation, even more so after the beginning of the covid-19 pandemic. The network has recognised the power of digital connections and embedded it into the program in order to avoid any kind of disruption that may arise again.

At the same time, digitalisation was used to modernise the original QTEM processes: the introduction of a new recruiting platform has strengthened the link between universities and firms one more time. The constant relations between the Network and corporates kept flourishing, as we had the chance to welcome new partners and organise several events for students, despite the inability to meet in person. To mention a few: the Fintech webinar hosted by EY; the “Career in Banking” event with Millennium and Santander; and an online “Crack the Case” with McKinsey.

In addition to this, especially this year I admired the spirit with which several alumni offered their help to current students for orientation purposes. By sharing their experiences from the labour market, they are contributing to shape stronger profiles that will be presented - and certainly appreciated - in future job interviews. The collaboration between previous and current QTEM members is what really shows the power of this network.

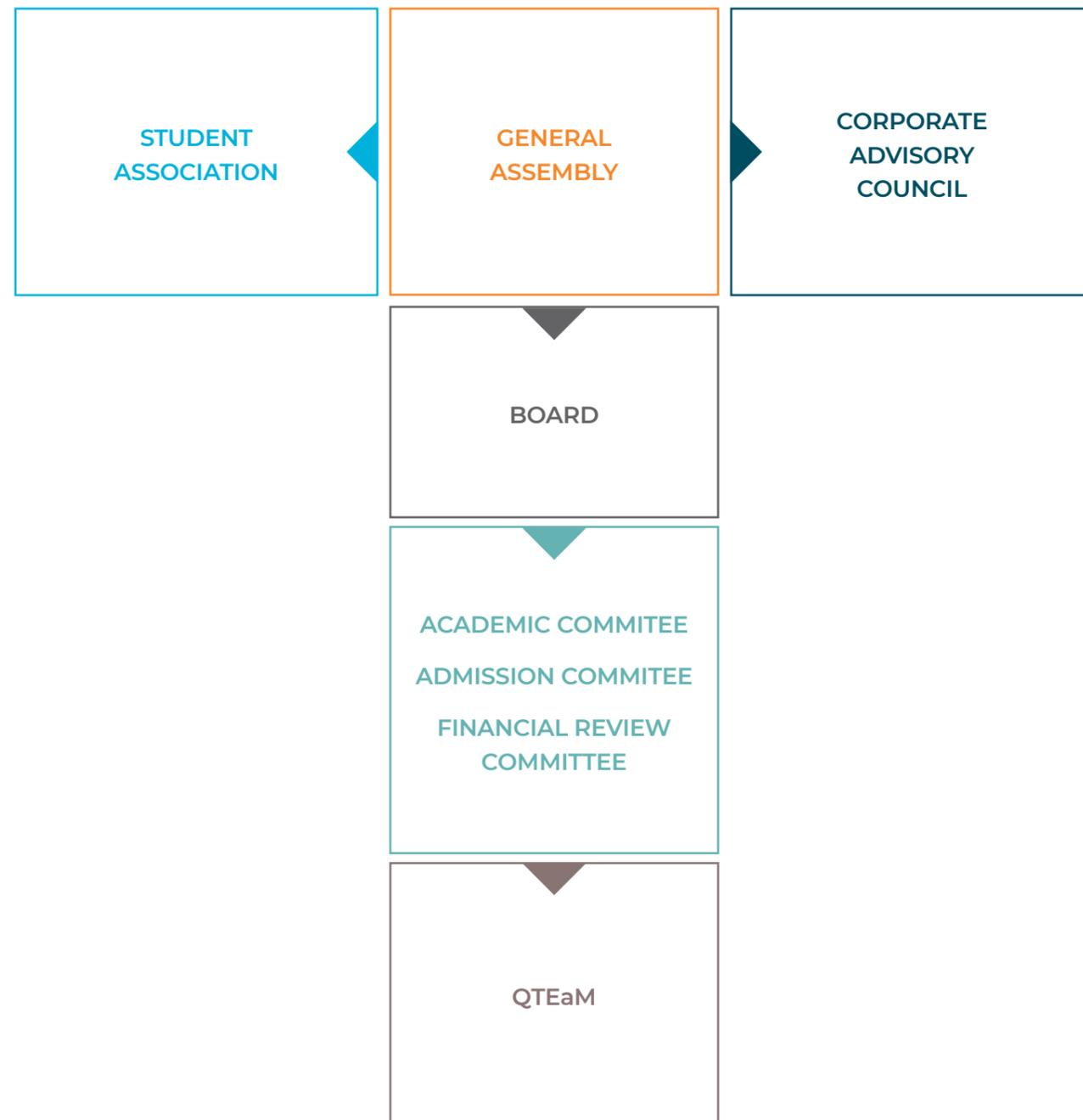
Another element that is worth mentioning again is the GBAC: within the competition, students are given the opportunity to collaborate with peers that have different backgrounds and then to prove their skills to a jury of academic and corporate exponents. Thanks to the use of real data, their analytical and problem-solving abilities are put to the test. This keeps being an effective way to prepare students for what they will face after graduation, in a world where data and analytics is a crucial career defining competence. Thus, with this message, I also take the chance to thank all the corporate partners that have provided the GBAC data sets so far.

To conclude, as representative of all member firms in the Corporate Advisory Council, I can say that we are still strongly committed to the QTEM Master Network and growth along these lines. As there is always room to improve, and I believe that this is the aim of the whole community, we look forward to continued work together in this direction.

**Giulia Longo**  
Senior Consultant, Technology-Enabled Transformation Team  
EY  
Luiss '17



# HOW WE WORK



**THANK YOU!**

TO THE OUTGOING BOARD 2020-2021

**Federico Pasin**  
QTEM Chairman  
HEC Montréal



**Janicke Rasmussen**  
QTEM Vice-Chair  
BI Norwegian Business School



**Giorgio di Giorgio**  
Luiss Guido Carli University



**Michaela Rankin**  
Monash University



**Philip Vergauwen**  
Solvay Brussels School of Economics and Management

# WELCOME TO THE NEWLY ELECTED BOARD!

In June 2021, The QTEM Deans elected their new Board.

Congratulations and welcome to the new Board members!



**Michaela Rankin**

Chair

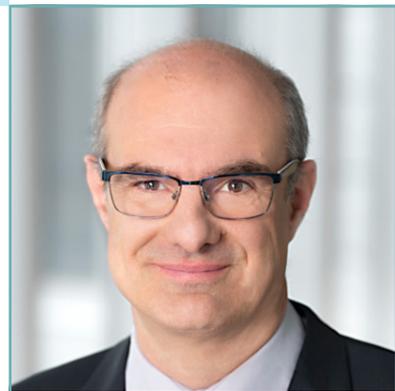
*Monash Business School*



**Michelle Sisto**

Vice-chair

*EDHEC*



**Federico Pasin**

*HEC Montréal*



**Jean-Philippe Bonardi**

*HEC Lausanne*



**Philip Vergauwen**

*Solvay Brussels School of Economics and Management*

## LOOKING AHEAD: LETTER FROM THE SECRETARY GENERAL



**Bruno Van Pottelsberghe**

*QTEM Secretary General*

**B**efore we look to where we're going, we must look to where we've been. Like many universities and networks around the globe, the past year was one of adaptation and resilience. As Covid continued to upend exchanges and events, our students, partners and stakeholders created unique opportunities and learning experiences, proving that data, analytics and distance learning are here to stay—regardless of the exceptional circumstances.

The QTEM Network was pleased to welcome our newest university: International Business School Suzhou, Xi'an Jiaotong - Liverpool University (IBSS-XJTLU), bringing our partner university total to 24, fifty percent of whom are Triple Crown Accredited.

The GBAC continues to see strong Corporate Partner participation, with Millennium bcp supplying anonymized data, Q8 committed to the next QDC, and the Red Cross for the subsequent one. The GBAC has not only shown its relevancy to the corporate sector, but also to the world at large – as the second GBAC of the past year asked students for their insights on Covid data sets.

We welcomed a new Board and saw steady student enrollment and continued commitment and enthusiasm from the QSA and our ever-growing alumni network. Lastly, as we look to continuously improve and innovate the QTEM offer, we completed an in-depth analysis of The Network with an outside consultancy.

Building on our successes and accompanied by these new insights, QTEM is ready for the next year ahead, and many more beyond. We look forward to working together to continue educating tomorrow's business leaders in data and analytics.

# ACADEMIC PARTNERS

# CORPORATE AND SOCIAL PARTNERS

