

# iMMAP EVENTS

July 7 – 10, 2020



Innovation and the Use of New Technologies  
in Humanitarian Crises:

**"WHAT IS BEING DONE &  
WHAT CAN BE DONE"**



## iMMAP

iMMAP is an international not-for-profit organization that provides information management services to humanitarian and development organizations.

We enable our partners to make informed decisions that provide high quality targeted assistance to the world's most vulnerable populations.

## EVENT INTRODUCTION

From July 7 to July 10, iMMAP Colombia invites you to a series of free webinars on **"Innovation and use of New Technologies in Humanitarian Crises: What is being done & What can be done"**. Successful cases from other countries will be presented in order to demonstrate that through technology and innovation it is possible to provide better coordinated and more effective assistance in Colombia, and the region.

Over these four days different technical focuses will be developed on information management such as data collection through mobile applications and other alternative technology; the possibility of improving the processing and analysis of data through artificial intelligence; we will have experts on the use of satellite images to create detection models of new settlements

or to calculate poverty; there will also be sessions on the new ways of visualizing information to enable decision making. All these topics are framed within the sectoral response in Health, Food Security, WASH, livelihoods and cash transfers, and the multisector.

We have striven to have the most qualified experts in information management, at an international level and with experience in the humanitarian field. On this occasion we are fortunate to have: Thinking Machines, Premise, RiWi, Dymaxion labs, NukkAI, Mapbox, AirTM, World Vision, ESRI, Data-Pop Alliance, iMMAP MENA, Qatar Computing Research Institute (QCRI), Code For Venezuela, Data Friendly Space (DEEP), Harvard Humanitarian Initiative, and ISI Foundation.

# HEALTH

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## **Daniela Rubio, Program Manager - Premise Data**

Daniela works directly with decision-makers such as governments, international organizations, and nonprofits to ensure the delivery of relevant data, visualizations, and key insights crowdsourced through the Premise contributor app. Her favorite part of her job is the opportunity to provide ground truth signals to ultimately help decision-makers improve resource allocation leading to a greater social impact. Currently, Daniela leads projects in the international development space (with a specific focus on global health, humanitarian assistance, education, and food security).

Previously, Daniela has also worked with USAID in Colombia, to find innovative approaches to help stop the spread of Zika and prevent other infectious disease outbreaks. Premise's technology has proven to be a great asset in the fight against Zika. Daniela holds an M.A. in International Education Policy from Stanford University and a B.A. in International Relations from Tec de Monterrey in Mexico City.

To learn more about Daniela and Premise visit: [Linkedin](#) / [Premise website](#)

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## **Rafael Chacon, Co-founder - Code For Venezuela**

Code for Venezuela is a non-profit focused on leveraging technology and talent towards social initiatives that help with the Venezuelan humanitarian crisis. Here Rafael is focused on connecting talent and innovators that care about the Venezuelan humanitarian crisis and funneling their energies towards social good in the country. In a year since the organization inception, there are more than 100 people in the community, working actively in 6 initiatives. So far the organization has been focused on the health space and has been partnering with organizations like Medicos por la Salud to help them be more effective in their response.

Rafael Chacon is a Staff Software Engineer on the infrastructure team at Slack, where he is a tech lead in the datastores team. In his professional work, Rafael is passionate about helping to scale the infrastructure of companies that are going through hyper growth. The Datastores team at Slack is in charge of storing the core data of the product. Their systems store more than 7PB of data and serve more than 64 billion queries per day. Other work includes Datawarehouse and analytics for non-profits working in the Venezuelan crisis. He holds a masters in Engineering Media for Education from the Universite de



Poitiers (France) and a Computer Engineering bachelors from the Universidad Simón Bolívar in Venezuela.

To learn more about Rafael Chacon and Code For Venezuela visit: [Linkedin](#) / <https://www.codeforvenezuela.org/>



### **Ciro Cattuto, Associate Professor and Principal Researcher - University of Torino & ISI Foundation**

Ciro Cattuto, PhD is an Associate Professor in the Computer Science Department of the University of Torino (Torino, Italy) and a Principal Researcher and Research Area Coordinator at ISI Foundation (Torino, Italy). His research interests include data science, network science, computational social science, public health. He is a founder and principal investigator of the SocioPatterns collaboration, a decade-long international effort on studying human and animal social and contact networks with wearable sensors, with applications to epidemiology and the social sciences.

He is an editorial board member of Nature Scientific Data, EPJ Data Science, PeerJ Computer Science, Journal of Computational Social Science, Data & Policy journals.

Ciro was an organizer and chair of leading conferences in Computer Science, Data Science, Network Science and Complex Systems. He is a Fellow of the European Laboratory for Learning and Intelligent Systems (ELLIS), and a member of the Doctoral Council of the Data Science PhD program of Sapienza University of Roma. He has published over 120 publications in international peer-reviewed journals and conferences. His research was featured in the national and international press.

He holds a PhD in Physics from the University of Perugia, Italy and has carried out interdisciplinary research at the University of Michigan, USA, at the Enrico Fermi Center and Sapienza University in Rome, and at the Frontier Research System of RIKEN, Japan.

To learn more about Ciro and ISI Foundation visit: <http://www.cirocattuto.info/> / <https://www.isi.it/en/home>

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### **Mikel Maron, Community Team Lead - Mapbox**

As the Community Team Lead in Mapbox, Mikel helps grow the adoption of open geo data in humanitarian organizations, governments and education, and advancing work with OpenStreetMap. Mapbox builds maps and location for developers, with precise location data and powerful developer tools to change the way we navigate the world.

Mikel is the cofounder of the Humanitarian OpenStreetMap Team, and founding member of the OpenStreetMap Foundation. Mikel has a Magister in Evolutionary and Adaptive Systems in the University of Sussex and holds a Bachelor of Arts in Computer and Information Sciences from the University of California, Santa Cruz.

To learn more about Mikel and Mapbox visit: [Linkedin](#) / <https://www.mapbox.com/>

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### **Hannah Judge, Technical Account Management - Mapbox**

Hannah works on the technical account management team at Mapbox to lead enterprise customer implementation. Before joining Mapbox, Hannah co-founded Broad Street Maps, a social enterprise that designed and implemented geographic data collection and analysis projects for community health organizations.

Hannah is from San Francisco, California. She holds a bachelor's degree in Geography and Global Health from Middlebury College.

To learn more about Hannah and Mapbox visit: [Linkedin](#) / <https://www.mapbox.com/>





**Date: July 08, 2020**  
**Time: 09:00 – 12:00**

# FOOD SECURITY, NUTRITION AND WASH

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**Mercedes Fogarassy, Senior manager, Business Development - RIWI Corp**

Mercedes leads business development with RIWI's clients in the humanitarian space, developing creative solutions and applications of RIWI's innovative technology for government agencies, the United Nations, INGOs, and academic institutions. She advises on best practices related to data collection in hard to reach environments to ensure safe, secure, and meaningful data-based solutions.

Mercedes is a recognized advocate on food security and emerging technologies. In addition to the work she leads at RIWI, she currently sits as a Canadian delegate to the United Nations Commission on Population and Development, advising on matters of nutrition, sustainability, gender-based violence, sexual and reproductive health, and migration.

Mercedes has worked and lived around the globe and comes from the two distinct worlds of peacebuilding and consumer technology. She is passionate about amplifying citizen voices and creating impact rooted in evidence. Prior to joining RIWI, Mercedes facilitated youth leadership trainings across the Americas and advised on organizational development for a global NGO.

Mercedes has a Honours Bachelor of Arts in International Relations & Peace, Conflict, and Justice Studies from the University of Toronto.

To learn more about Mercedes and RiWi visit: [Linkedin](#) / <https://riwi.com/>

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**Federico Bayle, CEO & Co-founder - Dymaxion Labs**

Federico is Chief Executive Officer and co- founder of Dymaxion Labs, which leverages artificial intelligence and computer vision to analyze petabytes of geospatial data from multiple sources in order to understand the physical world. Federico is also a professor of data mining in Argentina. He is knowledgeable in the business and technical aspects of tasks related to the georeferencing of big data and projects with machine learning.

Federico has a master's degree in Data Mining and Knowledge Discovery. He also holds a bachelor's degree in Economics.



To learn more about Federico and Dymaxion Labs visit : [Linkedin](#) / <https://dymaxionlabs.com/>

### **Philip Frost, GIS Coordinator - iMMAP MENA**

Philip Frost is the Head of GIS and Remote Sensing for iMMAP's Middle East and North Africa office, based in Amman, Jordan. As GIS Coordinator, Philip is entrusted with managing the GIS/Remote Sensing (RS) unit along with conserving all data and products furnished by the unit. Philip has also been tasked with the development of an overall iMMAP strategy centralized on the collection, analysis, and visualization of Earth Observation data in support of various humanitarian sectors.

Philip holds both a Bachelor of Science in the Environmental Studies of Geography and Botany and a Bachelor of Science Honours degree in GIS from the University of Pretoria, plus a Master of Science in Remote Sensing from the University of Johannesburg. He has also authored and co-authored over 20 publications, including two book chapters.

To learn more about Philip and iMMAP MENA visit: [Linkedin](#) / <https://immap.org/>



### **Alexandra Gomez Avilan, Data Manager - ESRI Colombia**

Alexandra is a data manager at ESRI Colombia, she generates alliances to consolidate crowd-sourcing with data to generate thematic content in various areas for GIS user. Alexandra also supports the sales group in increasing the use of ArcGIS data and image processing tools, as well as in specialized processes where ENVI is required.

Alexandra obtained a master's degree in Geographic Information Systems from the University of Salzburg, UNIGIS Program and is a cadastral and geodetic engineer at the Universidad Distrital Francisco José de Caldas, Bogotá.

To learn more about Alexandra and ESRI visit: [Linkedin](#) / [ESRI](#)



**Date: July 9, 2020**  
**Time: 09:00 – 12:00**

# LIVELIHOODS & CASH TRANSFERS

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## **Andrés Lozano, Project and Research Manager - Data Pop Alliance**

At Data Pop Alliance, Andres leads projects related to COVID-19' effects in different countries and conducts research utilizing traditional and non-traditional sources of data. Data-Pop Alliance is a collaborative laboratory created by the Harvard Humanitarian Initiative, MIT Connection Science, and Overseas Development Institute. Andres' main field of work is the use of traditional and non-traditional data sources to analyze development challenges, currently related to COVID-19 as well as Refugee and Host Communities in Lebanon. He has also done research on Conditional Cash Transfers, Women's Empowerment and Education in Colombia and on Student Loans and Academic Performance in Tanzania.

Andres holds an M.Sc. in Global Development from the University of Copenhagen and a bachelor's degree in Social and Economic Management from the University Paris 1 Panthéon-Sorbonne.

To learn more about Andres and DataPop Alliance visit: [Linkedin](#) / <https://datapopalliance.org/>

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## **Roaa Al Feel, Data Science Consultant - Data Pop Alliance**

At Data Pop Alliance, Roaa works closely with the UN-ESCWA team on secure access of CDRs, and developing algorithms to extract interesting demographic and economic indicators from the CDRs. Data-Pop Alliance is a collaborative laboratory created by the Harvard Humanitarian Initiative, MIT Connection Science, and Overseas Development Institute.

Roaa's main field of work involves machine learning and big data analytics. She has a M.S. in Computer Science from the American University of Beirut and a B.S. in Computer Science from the Lebanese American University.

To learn more about Roaa and DataPop Alliance visit: [Linkedin](#) / <https://datapopalliance.org/>







### **Rubén Galindo, Chief Executive Officer - AirTM**

Ruben works as Chief Executive Officer at AirTM. He currently leads a group of people with the goal of becoming the largest financial provider in Latin America. As AirTM works to financially empower citizens of broken economies by connecting them to the global economy, they also provide access to a dollar account and a global marketplace where a network of local agents process transactions in over 200 payment methods.

Ruben has an engineering degree in Sustainable Development from Tec de Monterrey in Mexico City. To learn more about Rubén and AirTM visit: [Linkedin](#) / <https://www.airtm.com/es/>

### **Jean-Baptiste Fantun, Founder - NukkAI**

Jean-Baptiste is Chief Executive Officer of NukkAI, his purpose is to take advantage of artificial intelligence to develop different vertical businesses, since NukkAI is a private laboratory of Artificial Intelligence whose scientific objective is to build algorithms that make optimal decisions while providing the foundation for these decisions and maintaining the humans in the loop.

Jean-Baptiste started his career at Arthur Andersen before passing the Agregation de Mathématiques and pursuing an academic career. In 2008 he was appointed advisor to the French Minister of digital economy and was in charge of several government reports such as The vehicles for the future.

When he later became diplomatic advisor to the Minister of Immigration, he negotiated several international treaties, especially one with Russia. Since 2010, he has been an independent consultant to French and international HealthTech companies. He is a top bridge player and won the Coupe de France de Bridge in 2017. Jean Baptiste Fatun is a French national with a master's degree from the Ecole Polytechnique.

To know more about Fantun and NukkAI visit [Linkedin](#) / <http://www.nukk.ai/>





## Fabiano Franz, Venezuela Response Director - World Vision



Fabiano has an in-depth knowledge of development, humanitarian assistance and best practices in particular in relation to child rights. He knows how to resourcefully manage all programming in a country, resulting in lasting improvement in the lives of people.

Fabiano has over 20 years of progressively responsible professional work experience leading humanitarian assistance and development programs including: education, health, economic development, child protection, food security, and humanitarian and emergency affairs. he also has experience with sponsorship; 13 years of experience in senior leadership positions, including SMTs, Boards and Advisory Councils; senior roles in formulating strategic direction within an international development context; and experience developing sustainable, multi-sector programming.

He places a high value on innovative solutions to development issues and creative partnerships in tough environments. His specialties include: Management of Non-Profit Organizations, Community Development, Humanitarian Emergency Affairs, Strategic Planning, Peace & Conflict Resolution, and Mobilization of Youth Volunteers.

Fabiano holds a bachelor's degree from the Universidade Luterana do Brasil and a MSA in International Development from Andrews University.

To learn more about Fabiano and World Vision, visit: [Linkedin](#) / <https://www.wvi.org/>



**Date: July 10, 2020**  
**Time: 09:00 – 12:00**

# MULTISECTOR (SHELTER, NFI AND TRANSPORTATION)

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## **Ingmar Weber, Research Director for Social Computing - Qatar Computing Research Institute**

Ingmar is a Research Director for Social Computing in the Qatar Computing Research Institute (QCRI) where he currently leads a team of data scientists, engineers, postdocs and research assistants with a mission to address real-world problems through innovative computational approaches. QCRI is a non-profit multidisciplinary institute of computer science research. It uses online data to study population behavior, focusing on issues of relevance to the humanitarian and development sectors.

Ingmar's interdisciplinary research looks at what online user-generated data can tell us about the offline world and society at large. He works with sociologists, political scientists, demographers and medical professionals and several of his projects have been covered by international media. Ingmar has a PhD, Doctor of Engineering from Saarland University in Germany.

To learn more about Ingmar and QCRI visit: [Linkedin](#) / <https://www.qf.org.qa/research/qatar-computing-research-institute>

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## **Patricia "Pia" Faustino, Head of Public and Civic Sector Engagements - Thinking Machines**

Pia is a Data analyst and storyteller with Thinking Machines, a data science consultancy. She works on data analysis, storytelling, and visualization service for clients, as well as producing and editing stories. Before Thinking Machines, Pia also worked as a social media manager, online journalist, and documentary producer with GMA Network, one of the Philippines' top TV companies.



She has conducted pre-production research and logistical coordination for a number of international film and television companies filming in the Philippines. Pia has a bachelor's degree in Communications from Ateneo de Manila University.

To learn more about Pia and Thinking Machines visit: [Linkedin](#) / <https://thinkingmachin.es/>

## **Ewan Oglethorpe, Co-Founder and Technical Leader of DEEP & Executive Director - Data Friendly Space**

Ewan oversees the technical development of the DEEP platform including the implementation of Machine Learning and Natural Language Processing features. DEEP is an intelligent web-based platform offering a suite of collaborative tools tailored towards humanitarian crisis responses. It includes common analysis workflows and frameworks for thinking using both structured and unstructured, quantitative and qualitative data.

Data Friendly Space (DFS) focuses on creating data-centric web applications, websites and mobile applications to support humanitarian organisations in extracting actionable information from their data and execute their missions. Previous to DFS, Ewan worked in Nepal with the International Federation of the Red Cross and Red Crescent and UNOPS.

Ewan has a Bachelor of Science in Data Science with a focus on Sociology from the College of Charleston in the United States.

To learn more about Evan, Data Friendly Space, and DEEP, visit: [Linkedin](#) / <https://beta.thedeep.io/> / <https://datafriendlyspace.org/>



## **Patrice Chataigner, Assessment & Analysis Advisor - Data Friendly Space**

Patrice is a humanitarian expert with 21 years experience in conflict, post conflict and natural disasters contexts. Before his work with DFS, he led the methodological and innovation section of ACAPS between 2010 and 2016 and worked for Solidarites Internationale and Action Against Hunger Spain as Emergency Coordinator/Emergency Desk from 2003 to 2010.

He has participated in numerous inter-agency working groups at the global level such as the Needs Assessment Task Force, the Information Management Working Group and the Preparedness Working Group. Patrice has developed numerous interagency and agency specific needs assessment and analysis frameworks in the past 7 years.

He is also an assessment and analysis expert and developed for ACAPS numerous guidance on needs assessments and analysis methodology, and especially the design of adapted methodologies for the estimation of severities and priorities. He has also developed the training "analytical thinking in emergencies" currently being used by UNOCHA, UNHCR, ACAPS, OFDA and IFRC.

Patrice teaches Humanitarian analysis, needs assessment and data analysis at four European Universities, and pioneered the development of the DEEP, a collaborative platform allowing to customize analysis frameworks and use them for collating secondary data and collecting primary data.

Patrice has a master's degree in International Humanitarian Action, International Law, and Political Science. He also holds a graduate diploma in Public Health.

To learn more about Data Friendly Space and DEEP visit: <https://datafriendlyspace.org/> / <https://beta.thedeep.io/>







### **Phuong Pham, Director of Evaluation and Implementation Science - Harvard Humanitarian Initiative**

Phuong is the Director of Evaluation and Implementation Science at HHI, where she leads the evaluation team and works on documenting violence and its effects on behaviors and health, generally focusing on how individuals and communities rebuild their lives. This work has led her to explore the role of information technologies and data ethics in the field. The mission of the Harvard Humanitarian Initiative is to create new knowledge and advance evidence-based leadership in disasters and humanitarian crises.

Phuong is also the Co-founder of KoBoToolbox where she focuses on team development; and Assistant Professor at Harvard Medical School and Harvard TH Chan School of Public Health.

Phuong has a Ph.D. in International Social Epidemiology from Tulane University in New Orleans, USA.

To learn more about Phuong and HHI visit : [Linkedin](#) / <https://hhi.harvard.edu/>



### **Patrick Vinck, Director of Research and Assistant Professor - Harvard Humanitarian Initiative**

Patrick Vinck is a Director of Research and an Assistant Professor at Harvard Humanitarian Initiative (HHI), whose mission is to create new knowledge and promote evidence-based leadership in humanitarian disasters and crises.

At HHI, Patrick works on documenting violence and its effects on behaviors and health, generally focusing on how individuals and communities rebuild their lives. This has led him to explore the role of information technology and data ethics in this field. He is the co-founder and director of KoBoToolbox, a data collection service, and the Data-Pop Alliance, a Big Data partnership with MIT and ODI.

Patrick Vinck is also an Adjunct Associate Professor at Tulane University's Payson Center for International Development and a regular advisor and evaluation consultant to the United Nations and other agencies. He has been published in journals covering a wide range of disciplines, including political science, social science, public health and medicine.

Patrick has a PhD in International Development from Tulane University, New Orleans, USA.

To learn more about Patrick and HHI visit: [Linkedin](#) / <https://hhi.harvard.edu/>

