



CIMPLEX 641191 - FETPROACT-1-2014 (GSS)



D5.3 Workshop with policy makers

Project acronym: *CIMPLEX*

Project full title: Bringing Citizens, Models and Data together in Participatory, Interactive Social EXploratories.

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DOCUMENT INFO

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0.2 Document History

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DP = Daniela Paolotti (ISI)

GK= George Kampis (DFKI)

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1. Executive Summary

In May 2015, a public workshop with policy makers has been held in Florence. The workshop was part of the Digital Disease Detection conference organized by ISI Foundation, Healthmap and Skoll Global Threats Fund. Its aim was to leverage our contacts to inform policy makers Europe wide and involve them in the evaluation of initial concepts.

The Digital Disease Detection conference goal was to connect innovators in health and new technologies with representatives from the scientific community and governmental agencies.

Indeed, disease and outbreak data is now disseminated not only through formal online announcements by government agencies, but also through other informal digital channels such as social networking sites, blogs, chat rooms, Web searches, local news media, crowdsourcing platforms. These informal data streams have been credited with decreasing the time between an outbreak and formal recognition of an outbreak, allowing for an expedited response to the public health threat. These online sources create an image of global public health that is fundamentally different from the one produced by traditional public health surveillance infrastructure. As these sources become more widely used and relied upon, it is imperative that health professionals collaborate to demonstrate and improve the effectiveness of these sources.

The conference has benefited from existing collaborations with a number of national and international agencies such as the WHO Collaborating Center for Complexity in Health systems (www.cs4hs.org), the Joint Research Centre of the European Commission, the Center for Disease Control and Prevention in the US, The European Center for Disease Control, the INSERM in France, the Robert Koch Institut in Germany, Public Health England in the UK, the Statens Serum Institut in Denmark, the Istituto Superiore di Sanità in Italy, the Boston Children's Hospital, the European Medicines Agency, the Chicago Department of Public Health. It was the optimal occasion to evaluate the adequacy of the technological tools being developed by the Cimplex project and presented at DDD to meet the needs of public health officials in terms of timing, data accessibility and intelligibility.

2. Organizing Committee and Scientific Committee

Organizers

John Brownstein
HealthMap - Boston Children's Hospital

Ciro Cattuto
ISI Foundation

CIMPLEX - 641191

Jen Olsen
Skoll Global Threats Fund

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U.S. Food and Drug Administration

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Metabiota

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Jas Mantero
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HealthMap

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Nuria Oliver
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University of Iowa

Naren Ramakrishnan
Virginia Tech

Marcel Salathé
Stanford University

Alessio Signorini
The Activity Exchange

Alberto Tozzi
Ospedale Pediatrico Bambino Gesù

Effy Vayena
University of Zurich

3. Workshop programme

Thursday, May 21st, 2015

9h - 9h45	Welcoming Remarks and First Keynote	Peter Ohnemus , dacadoo
9h45 - 10h45	Panel: Wearables and DDD 45 minutes for talks followed by 15 minutes for questions	KC Decker , Booz Allen Hamilton Ciro Cattuto , ISI Foundation Peter Ohnemus , dacadoo Jared Hawkins , Harvard Elad Yom-Tov , Microsoft
10h45 - 11h15	Break Coffee and snacks	
11h15 - 12h30	Rapid Fire Talks	
12h30 - 13h30	Lunch	
13h30 - 14h15	Second Keynote	Jay Bhatt , Chicago Department of Public Health
14h15 - 15h15	Panel: Ethics of DDD 45 minutes for talks followed by 15 minutes for questions	Effy Vayena , University of Zurich Alessandro Spina , European Medicines Agency Aleksandar Matic , Telefonica Digital Ann Waldo , Waldo Law Offices
15h15 - 15h45	Break Coffee and snacks	
15h45 - 17h	Rapid Fire Talks	

17h - 18h	Panel: Ebola Experience with DDD 45 minutes for talks followed by 15 minutes for questions	David Fisman , MD, University of Toronto Maia Majumder , MIT, Boston Children's Hospital Madhav Marathe , Virginia Tech Nathan Wolfe , Metabiota
18h - 19h30	Social Dinner	

Friday, May 22nd , 2015

9h30 - 10h30	Panel: Modeling/Forecasting of DDD 45 minutes for talks followed by 15 minutes for questions	Alex Vespignani , Northeastern University Matthew Biggerstaff , Center for Disease Control and Prevention Michael Johansson , Center for Disease Control and Prevention Jean Paul Chretien , Division of Integrated Biosurveillance - US Navy
10h30 - 11h	Break Coffee and snacks	
11h - 12h15	Rapid Fire Talks	
12h15 - 13h	Closing Keynote	Deborah Estrin , Cornell Tech
13h-14h	Lunch and Closing Remarks	

Rapid Fire Talks

Measurement and Evaluation of Data

Carrie Reed

If You've Seen One Flu Season...: Opportunities and Challenges for Digital Disease Detection

Riccardo Scalco

Evaluate Data Streams by Means of Markov Chains Models, a Computational Approach

Catherine Ordun

Surveillance of Surveillance: Inventorying Gaps and Commonalities Across the Universe of Surveillance Systems

Aaron KitePowell

Evaluating the Utility of HealthMap as a Supplementary Surveillance Tool

Michael Paul

Tracking Public Awareness of Influenza Through Twitter

Eric Lau

Epidemiological Inferences Using Public Information Across Waves of Influenza H7N9 Epidemic in China

Leah Martin

Improving US Google Flu Trends Estimates

Samuel Scarpino

Enhancing Disease Surveillance with Novel Data Streams: Challenges and Opportunities

Jennifer Cole

Disease Surveillance and Security: legal concerns during health emergencies

Catherine Moyes

Using DDD Data in Spatial Disease Risk Models

Jesus Enrique Herrera

An Online Crowdsourcing Genome Assembly Game to Enhance Rapid Pathogen Identification and Discovery

New Uses for Existing Data Sources

Chiara Poletto

Monitoring Influenza Syndrome and Influenza-Related Behaviour in France Through a Participatory System: 3 Years of Grippenet.fr

Xuyi Zhao

Detecting Influenza Epidemics in China using Search Query Data from Baidu

Francesco Gesualdo

Can Twitter be a Source of Information on Allergy? Correlation of Pollen Counts with Tweets Reporting Symptoms of Allergic Rhinoconjunctivitis and Names of Antihistamine Drugs

Joseph Agoada

Youth Led Participatory Mapping & DDD

Qian Zhang

Forecasting Seasonal Influenza with Stochastic Microsimulations Models Assimilating Digital Surveillance Data

Todd Bodnar

How 14 Million Twitter Users Can Inform Us About Disease Transmission

Nathan Breit + Andrew Huff

Global Rapid Identification Tool Set (GRITS) for Disease Threat Identification and Diagnostics

Christopher Kiley

Biosurveillance Ecosystem (BSVE)

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Patty Kostkova

Medi+Board: A Public Health Dashboard

David Buckeridge

Digital Surveillance of Food Purchasing to Track Population Nutrition

Corinne Ringholz

The Earthquake Left Me All A Twitter: Operationalizing Big Data for Development

New Data Sources

Marcel Salathe

DDD in Plants ("PlantVillage")

Win Min THIT

Asia eHealth Information Network (AeHIN)

Moe Ko Oo

Mekong Basin Disease Surveillance (MBDS)

Marjorie Pollack

EpiCore Project

Daniela Perrotta

FluOutlook, an Epidemic Forecasting Observatory

Eyal Oren

Novel Methods to Predict Climate-Related Health Outcomes

Amy Kircher

FoodFormatics: Methodologies for Deriving Decisions Out of Complex Data

Lertrak Srikritjakarn

Chiang Mai Participatory Onehealth Disease Detection – A Preliminary Result

Rossana Mastrandrea

Assessing the Risk of Epidemic Spread in a Hospital by Merging Data about Hand-Hygiene Compliance and Daily Contacts

David Robinson

The New World of Big Data and Point of Care Diagnostics

Onicio Leal

Participatory Surveillance for Digital Disease Detection during FIFA Brazil World Cup 2014

Mauricio Santillana

Combining Search, Social Media, and Traditional Data Sources to Improve Influenza Surveillance.

4. Conference website and archive

The website of the conference is: <http://www.healthmap.org/ddd/>

In this page there are also all the videos of the rapid fire talks and of all the presentations.