



# GeoForAll

Monthly Newsletter



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## Be part of "Geo for All"

### 1. Activities of the Network

- [Ottawa, Ontario, OSGeo Meetup Group](#) meets on the third Thursday of each month. If you are located in the area, go to the link to sign up to the group and get updates about future events.  
[\(http://www.meetup.com/OttawaOSGeo/\)](http://www.meetup.com/OttawaOSGeo/)

### 4. Conferences

#### Europe

##### August 2019

1. 26-30 August: [FOSS4G Bucharest 2019](#)  
 Venue: Bucharest, Romania

##### September 2019

2. 19-20 September: [Hot Summit 2019](#)  
 Venue: Heidelberg, Germany

3. 21-23 September: [State of the Map](#)  
 Venue: Neuenheimer Feld campus, Chemistry lecture hall building, Heidelberg, Germany

4. 24-26 September: [14th International gvSIG Conference](#)  
 Venue: School of Engineering in Geodesy, Cartography and Surveying, Universitat Politècnica de València, Spain

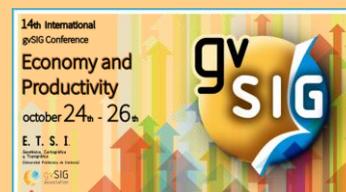
##### October 2019

5. 8-9 October: [1<sup>st</sup> International Workshop on Legal and Ethical Issues in Crowdsourced Geographic Information](#)  
 Venue: University of Zurich, Zurich, Switzerland

6. 22-24 October: [Inspire Helsinki 2019](#).  
 Venue: [Epicenter](#) venue, Helsinki, Finland

7. 23-25 October: [JIIDE 2019](#) (in Spanish)  
 Venue: San Francisco Cultural Complex, San Francisco Round s / n, CÁCERES, Spain

8. 24-26 October: [14th International gvSIG Conference](#)  
 Venue: School of Engineering in Geodesy, Cartography and Surveying, Universitat Politècnica de València, Spain.





## Editorial Board

Please refer to the appropriate person according to the following table:

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<p>Co-editors</p> 	<p>Pavel Kikin, Senior Lecturer "Department of applied informatics and IT", Siberian State Univer. of Geosystems and Technologies Alexey Kolesnikov, Senior Lecturer "Department of cartography and GIS", Siberian State Univer. of Geosystems and Technologies <a href="mailto:it-technologies@yandex.ru">it-technologies@yandex.ru</a></p>	Russia, Mongolia, China, Japan, S. Korea, Vietnam, Thailand, Malaysia, Laos, Myanmar, Cambodia, Singapore, Brunei, Indonesia, Philippines, Turkmenistan, Uzbekistan, Tajikistan and Kyrgyzstan.
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<p>Co-editor</p> 	<p>Antoni Perez Navaro, Associate Professor at Universitat Oberta de Catalunya (UOC) Computer Sciences and Multimedia Department <a href="mailto:aperezn@uoc.edu">aperezn@uoc.edu</a></p>	Italy, Malta, Spain, Portugal, France, Belgium, The Netherlands, Luxemburg.
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<p>Co-editor</p> 	<p>Codrina Ilie, PhD student at the Technical University of Civil Engineering, Bucharest, Romania</p>	The Balkans, Ukraine, Moldavia, Estonia, Lithuania, Belarus, Latvia, Hungary, Czech Republic, Slovakia
<p>Production Designer</p> 	<p>Nikos Voudrislis, MSc, PhD in geography education. <a href="mailto:nvoudris@gmail.com">nvoudris@gmail.com</a></p>	Design and final formation of the newsletter
	<p>Paulo César Coronado Sánchez, Professor of computer sciences at Universidad Distrital Francisco José de Caldas, Head of GISEPROI and OSGeoLabUD research Group. Bogotá, Colombia <a href="mailto:paulocoronado@gmail.com">paulocoronado@gmail.com</a></p>	Translator and designer of the Spanish Edition



## GeoForAll Themes

### ▪ OpenCity Smart

➤ Chairs: Chris Pettit (Australia), Patrick Hogan (USA)

➤ Mail list: <http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-urbanscience>

➤ Website:

<http://wiki.osgeo.org/wiki/Opencitysmart>

### ▪ Teacher Training & School Education

➤ Chairs: Elżbieta Wołoszyńska-Wiśniewska (Poland), Nikos Lambrinos (Greece)

➤ Mail list: [geoforall-teachertraining@lists.osgeo.org](mailto:geoforall-teachertraining@lists.osgeo.org)

➤ Website:

[http://wiki.osgeo.org/wiki/GeoForAll\\_TeacherTraining\\_SchoolEducation](http://wiki.osgeo.org/wiki/GeoForAll_TeacherTraining_SchoolEducation)

### ▪ CitizenScience

➤ Chairs: Peter Mooney (Ireland) and Maria Brovelli (Italy)

➤ Mail list: <https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-geocrowd>

➤ Website:

[http://wiki.osgeo.org/wiki/Geocrowdsourcing\\_CitizenScience\\_FOSS4G](http://wiki.osgeo.org/wiki/Geocrowdsourcing_CitizenScience_FOSS4G)

### ▪ AgriGIS

➤ Chairs: Didier Leibovici (U.K.) and Nobusuke Iwasaki (Japan)

➤ Mail list: <https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-agrigis>

➤ Website: <http://wiki.osgeo.org/wiki/Agrigis>

## GeoForAll Regional Chairs and Contact Information

### North America Region

Chairs: Helena Mitasova (USA), Charles Schweik (USA), Phillip Davis (USA) Subscribe at mail list <http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-northamerica>

Email: [na.gfa.chair@osgeo.org](mailto:na.gfa.chair@osgeo.org)

### Iberoamerican Region

Chairs: Sergio Acosta y Lara (Uruguay) and Silvana Camboim (Brazil) and Antoni Pérez Navarro (Spain). Subscribe at mail list:

<https://lists.osgeo.org/mailman/listinfo/geoforall-iberoamerica>

Email: [geoforall-iberoamerica@lists.osgeo.org](mailto:geoforall-iberoamerica@lists.osgeo.org)

### Africa Region

Chairs: Msilikale Msilanga (Tanzania), Serena Coetzee (South Africa) and Bridget Fleming (South Africa) Subscribe at mail list

<http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-africa>

Email: [africa.gfa.chair@osgeo.org](mailto:africa.gfa.chair@osgeo.org)

### Asia Region (including Australia)

Chairs: Tuong Thuy Vu (Malaysia/Vietnam) and Venkatesh Raghavan (Japan/India) Subscribe at maillist <http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-asiaaustralia>

<http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-asiaaustralia>

Email: [asia.gfa.chair@osgeo.org](mailto:asia.gfa.chair@osgeo.org)

### Europe Region

Chairs: Maria Brovelli (Italy) and Peter Mooney (Ireland) Subscribe at mail list

<http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-europe>

Email: [eu.gfa.chair@osgeo.org](mailto:eu.gfa.chair@osgeo.org)



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## November 2019

9. 1-4 November: [12th International Conference of the Hellenic Geographical Society](#) (ICHGS - 2019). "INNOVATIVE GEOGRAPHIES: Mapping and Modeling our World"  
Venue: National Technical University of Athens, Athens, Greece



10. 14-16 November: [XI Conference of users of R](#) (in Spanish)  
Venue: REPSOL Auditorium and UNED Faculty of Education, Madrid, Spain

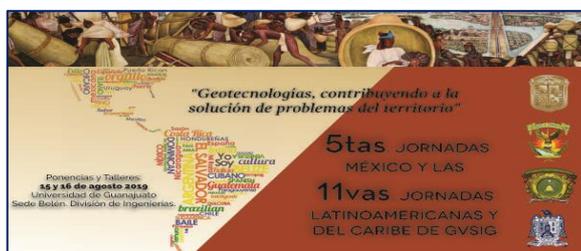
## May 2020

11. 12-15 May: [INSPIRE Conference 2020](#)  
Venue: Dubrovnik, Croatia

## North and Central America and the Caribbean

### August 2019

12. 15-16 August: [11th Conference of Latin America and the Caribbean of gvSIG](#): "Geotechnologies, contributing to the solution of problems of the territory"  
Venue: University of Guanajuato, Mexico.



## December 2019

13. 9-13 December: [AGU Meeting](#)  
Venue: San Francisco, California, USA

## Africa

### August 2019

14. 13-16 August: [RCMRD International Conference & 4<sup>th</sup> AfriGEOSS Symposium](#)  
Venue: RCMRD Campus, Nairobi, Kenya

15. 12 August: Digital Earth Africa Day on the sidelines of the RCMRD International Conference & 4<sup>th</sup> AfriGEOSS Symposium  
Venue: RCMRD Campus, Nairobi, Kenya

### November 2019

16. 18-19 November: [VizAfrica 2019](#) Data Visualization Symposium  
Venue: University of Botswana Gaborone, Botswana  
Deadline for proposals is Monday 19 August:  
<https://vizafrica.codata.org/2019-Botswana/submit/>

## Asia

### August 2019

17. 1-3: August: [Pista ng Mapa](#) ("Feast of Maps").  
Venue: Foundation University, Dumaguete, Manila, Philippines

### September 2019

18. 19-20 September: [CODATA 2019](#).  
Venue: Beijing, China

### November 2019

19. 18-21 November: [Eighth International Conference on Agricultural Statistics \(ICAS VIII\)](#)  
Venue: ICAR-Indian Agricultural Statistics Research Institute, New Delhi, India

## Oceania

### September 2019

20. [New Zealand Geospatial Research Conference 2019](#)  
Venue: Queenstown Memorial Centre in Queenstown, Otago



21. 18-21 September: 15<sup>th</sup> International Conference on [GeoComputation 2019](#)

Venue: Queenstown, New Zealand



## November 2019

22. 12-15 November: [FOSS4G SotM Oceania 2019](#)

Venue: Rutherford House, Victoria University, Wellington, New Zealand

## 5. Webinars

- **Using the UN Biodiversity Lab to Support Biodiversity Monitoring & Reporting**

Spatial data are available for your country through the UN Biodiversity Lab [1] on trends such as the rate of forest loss between 2000-2017 and protected area coverage of key biodiversity areas. You can also access maps that can help you understand where to take actions, such as those that safeguard ecosystem services and carbon stores in the environment. Would you like to learn how to use the UN Biodiversity Lab Status Maps [2] to support biodiversity monitoring and reporting?

Watch the webinar recording at <https://youtu.be/Bo2WiiWtQ9s>

[1] <https://unbiodiversitylab.org>

[2] <http://nbsapforum.net/knowledge-base/resource/18-draft-biodiversity-status-maps---6nr-18-cartes-préliminaires-sur-l'état-de>

## 7. Training programs

- GeoForAll educational materials have been transferred to our new web site. [GeoForAll educational inventory system, a place to search and share educational materials](#)
- Second annual global World Commons Week (October 6-12, 2019) is being organized by Charlie Schweik to run local events around OSGeospatial technologies and education. If you'd like to propose your own GeoForAll/OSGeo related local event (e.g., a workshop on a FOSS4G topic, a lecture, a community mapping project, etc.) for the week of October 6-12, 2019 at your own location, please complete this online survey: <https://forms.gle/tWnZrXiZmdJn7A687>

Charlie believes that there are two possible options:

a) **GeoForAll labs propose local training events for that week in their local communities**

Maybe, as a network, we could have a number of GeoForAll nodes all sign up to do some kind of training or promotional event at their lab during the week of October 6-12, 2019 – promoting OSGeo-related products in their local communities.

b) **A coordinated web-based "miniconference" across GeoForAll labs on some half-day during the week of Oct 6-12, 2019?**

As an example: In last year's World Commons Week, an international group led by Professor Tim Randhir led a web-based "mini-conference" where, using Zoom, Tim coordinated webinars where each global participant presented some of their work.

- Carleton University's Department of Geography & Environmental Studies, Agriculture and Agri-Food Canada, and Natural Resources Canada have teamed up to deliver a 5-day course which promises to unlock the world of Synthetic Aperture Radar (SAR). Upon completion of this training, participants will be equipped with the



skills needed to access, pre-process and analyze SAR data. The course interweaves lectures with hands-on labs, over 5 days (August 12-16, 2019).

This course is aimed at people who already have background in optical remote sensing and image processing, but does not assume any background in SAR.

Please visit

<https://carleton.ca/geography/introduction-to-synthetic-aperture-radar-terrestrial/> for more details or to register.

- The CODATA-RDA Research Data Science school. December 2-13, 2019, Jan Jose, Costa Rica.

This school will provide early career researchers (at MSc-level to 3 years after their PhD) from the Latin American Region with the necessary set of foundational data science skills to enable them to analyze their data in an efficient and effective manner for the 21st century.

Description:

The material covered here is fundamental to all areas of data science and hence open to researchers and professionals from all disciplines that deal with significant amounts of data. The goal is to provide a practical introduction to these topics with extensive labs and seminars.

Topics:

- Open Science
- Introduction to Unix Shell
- Programming for Analysis
- Git
- Research Data Management
- Author Carpentry
- Data Visualization
- Information Security
- Machine Learning
- Computational Infrastructures

Online application:

<https://www.ictp-saifr.org/sis/datasci2019.php>

- Two weeks Summer School training from 11th-15th November 2019 on Data Science/Visualization at the University of Botswana Gaborone, Botswana, as part of the Symposium VizAfrica 2019.

## 8. Key Research Publications

- Big Earth Data Special Issue - Call for Papers: "Big Data for Environmental Analysis in South America" Guest Editor: Dr. Carlos Antonio da Silva Junior, State University of Mato Grosso, Department of Geography, Brazil ([carlosjr@unemat.br](mailto:carlosjr@unemat.br))  
Deadline: 31 August 2019  
More info: <https://think.taylorandfrancis.com/bed-2019si/>
- Submit articles about your recent research to the Special Issue "Advances in Applications of Volunteered Geographic Information". The Special Issue is hosted by the Open Access Journal "Remote Sensing" (impact factor 4.118).  
More information is available at [https://www.mdpi.com/journal/remotesensing/special\\_issues/appl\\_VGI](https://www.mdpi.com/journal/remotesensing/special_issues/appl_VGI)  
The deadline is 30 Sep 2019 (but it can be further extended).

## 9. Funding opportunities, bids, etc.

- Applied research position in the areas of geomatics and navigation at [GeoNumerics](#) (Castelldefels, Spain).

The autonomous government of Catalonia has issued a call for project proposals for applied research projects with the goal of hiring experienced researchers through 2-year



employment contracts with Catalan companies and technology centres.

The proposals shall target applied research projects with a clear market focus. Projects must be aimed at developing a new technology and bringing it to the market. The proposal submission deadline is 2019-09-19.

The candidates must not have resided or carried out their main activity in the country of their host organisation (in this case GeoNumerics, Spain) for more than 12 months in 3 years immediately prior to the deadline for the submission of applications. Exceptions will be made for candidates with justified career breaks.

The contractual conditions for the winners cover the following items, per year:

Salary costs (with full social security coverage): 58,500 €

Research costs: 18,240 €

Mobility costs: 1,920 €

More detailed information can be found in the attached document or in the Tecniospring call webpage. (<http://catalonia.com/innovate-in-catalonia/tecniospringplus/>) If you are interested to be a candidate with GeoNumerics, get in contact with Ms. Marta Agudo ([marta.agudo@geonumerics.com](mailto:marta.agudo@geonumerics.com)).



## 11. Free books, educational materials, etc.

- Live stream for the keynote/plenary parts of the third workshop (<https://gsi.cigi.illinois.edu/workshop3/agenda/>) of the NSF Geospatial Software Institute conceptualization project (<http://gsi.cigi.illinois.edu/>).

## 12. Articles

### Acronyms

by **Nikos Lambrinos**, Chief Editor, and **Michael Finn**.

For those who would like to support this effort, please send any acronyms to the Chief Editor ([labrinos@eled.auth.gr](mailto:labrinos@eled.auth.gr)).

3DEP: 3-D Elevation Program

AAG: Association of American Geographers

AGS: American Geographical Society

AGU: American Geophysical Union

AM/FM: Automated Mapping/Facilities Management

ASPRS: American Society for Photogrammetry and Remote Sensing

AURIN: Australian Urban Research Infrastructure Network

BBSRC: Biotechnology and Biological Sciences Research Council

BIM: Building Information Modelling

CAADP: Comprehensive African Agricultural Development Programme

CAD: Computer Aided Design

CaGIS: Cartography and Geographic Information Society

CEGIS: Center of Excellence for Geospatial Information Science

CEOS: Committee on Earth Observation Satellites

CI: CyberInfrastructure

CLGE: The Council of European Geodetic Surveyors

CODATA: Committee on Data for Science and Technology

COGO: Coordinate geometry

CRS: Coordinate Reference System

CSA: Canadian Space Agency

CUDA: Compute Unified Device Architecture



DAAC: Distributed Active Archive Center (of NASA)	ICSU-WDS: International Council for Science – World Data System
DEM: Digital Elevation Model	IDE: Spatial Data Infrastructure
DSM: Digital Surface Models	INSPIRE: Infrastructure for Spatial Information in Europe
DWG: Design file format	IPGH: Pan American Institute of Geography and History
DXF: Drawing Interchange File	ISO: International Organization for Standardization
ECMWF: European Center for Medium range Weather Forecasting	ISPRS: International Society for Photogrammetry and Remote Sensing
EOS: Earth Observation Science	ISPRS: International Society for Photogrammetry and Remote Sensing
EOSDIS: Earth Observing System and Data Information System	JAXA: Japan Aerospace Exploration Agency
EPA: Environmental Protection Agency	KML: Keyhole Markup Language
EPSG: European Petrol Survey Group (used in projection IDs)	LiDAR: Light Detection and Ranging
ESA: European Space Agency	LOC: Local Organizing Committee
ESERO: European Space Education Resource Office	LOD: Level Of Detail
EUROGI: European Umbrella Organisation for Geographic Information	MIL: Media and Information Literacy
EuroSDR: European Spatial Data Research	MoU: Memorandum of Understanding
FOSS: Free and Open Source Software	NAD: North American Datum
FOSS4G: Free and Open Source Software For Geospatial	NCSA: National Center for Supercomputing Applications
GCP: Ground Control Point	NED: National Elevation Dataset
GloFAS: Global Flood Awareness System	NEPAD: NEw Partnership for African Development
GNSS: Global Navigational Satellite System	NGA: National Geospatial Intelligence Agency
GODAN: Global Open Data for Agriculture and Nutrition	NHD: National Hydrologic Dataset
GPS: Global Positioning System	NLCD: National Land Cover Dataset
GPX: GPS Exchange Format	NSDI: National Spatial Data Infrastructure
GRASPGfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security	NSF: National Science Foundation
GSoC: Google Summer of Code	OECD: Organisation for Economic Co-Operation and Development
HOT: Humanitarian OpenStreetMap Team	OER: Open Educational Resources
HPC: high-performance computing	OGC: Open Geospatial Consortium
ICA: International Cartographic Association	OHI: International Hydrographic Office
	OSGeo: Open Source Geospatial Foundation
	OSM: OpenStreetMap
	OTB: Orfeo Tool Box



RCMRD: Regional Centre for Mapping of Resources for Development

RDA: Research Data Alliance

ROSHYDROMET: Russian Federal Service for Hydrometeorology and Environmental Monitoring

RUFORUM: Regional Universities Forum for capacity building in agriculture

SaaS: Software as a Service

SAR: Synthetic Aperture Radar

SDI: Spatial Data Infrastructure

SIG: Geographic Information System

SIGTE: The GIS and Remote Sensing Service of the University of Girona, Spain

SQL: Structured Query Language

STISA 2024: Science Technology Innovation Strategy for Africa

STSM: Short Term Scientific Missions

TIN: Triangulated Irregular Network

UAV: Unmanned Aerial Vehicle

UML: Unified Modeling Language

UN-GGIM: United Nations Global Geospatial Information Management

USGS: U.S. Geological Survey

USGIF: United States Geospatial Intelligence Foundation

VGI: Volunteered Geographic Information

XSEDE: Extreme Science and Engineering Discovery Environment

WCS: Web Coverage Service

WFS: Web Feature Service

WGCapD: Working Group on Capacity Building and Data Democracy

WGS: World Geodetic System

WISERD: Wales Institute of Social & Economic Research, Data & Methods

WMO: World Meteorological Organization

WMS: Web Map Service

WMTS: Web Map Tiles Services

WOIS: Water Observation Information System

WPS: Web Processing Service

## 15. Awards.

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Everyone is invited to shape the EthicalGEO dialog by submitting their ideas to [www.EthicalGEO.org](http://www.EthicalGEO.org) in the form of 3-minute videos, a blurb, and supporting PDF documents. These big ideas will become publicly available (after a quick moderator review designed to exclude inappropriate content from trolls) for the world to see, comment on, and to seek partnership in advancing common ideas and goals. But, from all of these submissions, 7 will be selected to receive a 1 year, \$7,500 award, to advance their ideas as an American Geographical Society EthicalGEO Fellow.

But what is EthicalGEO?

The EthicalGEO initiative seeks to activate thinkers, innovators, entrepreneurs, policymakers, practitioners, students, and everyday citizens and bring them in to a global dialog that shines a light on their best ideas about the ethical challenges and opportunities posed by the many geospatial technologies and data sources that are reshaping our society.

For the moment, this is for citizens and residents of the United States, Canada, and Mexico who are 18 years old or older.

To get more information about deadlines, the topics, etc., go to <https://ethicalgeo.org/faq/>

## 17. Ideas / Information

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1. To post your FOSS4G educational information go to <http://www.osgeo.org/education>. There you can find more educational activities posted by members of our community.

FOSS4G is the annual global event of the Open Source Geospatial Foundation. It is the largest technical geospatial Open Source conference in the world. The FOSS4G conference focuses on Free and Open Source Software for Geospatial applications. In addition to high level technical talks four key domain are discussed every year to showcase the connection between free and open source software and communities from neighbouring domains.



2. Group on Earth Observations (GEO) is pleased to announce that the [first version of the 2020-2022 GEO Work Programme](#) is now available. In addition to this summary document, you can download the full implementation plans for each proposed activity on our [website](#).

Details at

[http://www.earthobservations.org/gwp2020\\_dev.php](http://www.earthobservations.org/gwp2020_dev.php)



3. From Marco Minghini  
([marco.minghini@ec.europa.eu](mailto:marco.minghini@ec.europa.eu))

Dear colleagues,

The [Inspire Helsinki 2019](#) event takes place in Helsinki on 22-24 October 2019. The event strives to look at how the latest technologies and spatial data can improve both decision making and the daily life of everyone. The goal is to bring 150 developers, project managers, technical people, and influencers of the European spatial data infrastructure to Helsinki to demonstrate the capacity of latest technologies and to see what can be achieved with European spatial data now and in the future. The event hosts data challenges and technical workshops. The event is organized by the [National Land Survey of Finland](#), the [Ministry of Agriculture and Forestry](#), and supported by the [Joint Research Centre of the European Commission](#).



Teams that are interested in solving the [Data Challenges](#) of the event should [sign up](#) by August 16. The first 10 teams to sign up are eligible for one (1) 100% discount code per team for the event in Helsinki (save up to 350€). The data challenges will be solved in September, and the best results will be presented at the event in October. Great [prizes](#) are also available for the winning teams, such as a free entry to the [INSPIRE Conference 2020](#) in Dubrovnik!



The [registration](#) for the Inspire Helsinki 2019 event is also open and there are currently about 100 seats available.

Please spread the word and forward this information to the appropriate persons in your universities, companies, and networks!

For more information on the programme, please check <https://www.inspire-helsinki-2019.fi/programme>.

