GeoForAll

Monthly Newsletter

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Be part of "Geo for All"

1. Activities of the Network

- [Ottawa, Ontario, OSGeo Meetup Group](http://www.meetup.com/OttawaOSGeo/) 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/Ottawa OSGeo/)

3. Events

- The 4th release of the project newsletter, containing interesting insights on current development of project activities, interviews, information and registrations about upcoming workshops and events and suggested good reads https://mailchi.mp/67319b620aac/ eo4geo_4th_newsletter-final

- GeoForAll community is pleased to announce a webinar mini-conference on GeoForAll contributions to the United Nations Sustainable Development Goals during World Commons Week 2019.

- An important element of World Commons Week 2019 is establishing coordinated local events all over the world on commons-related issues and practice. As part of the World Commons Week 2019, there are a multitude of local events organized in different parts of the world all dedicated to raising awareness about the scholarship and practice of the Commons in many thematic areas, including water, forests, fisheries, and marine settings; the global atmosphere; infrastructure; urban and rural areas; technology and software; and knowledge sharing and co-production.

- Open source software and open educational resources are forms of Internet-based "commons" and that's what the International Association for the Study of the Commons (IASC) organization is trying to promote. A link between GeoForAll and the IASC community is a natural one. The Second Annual Global World Commons Week took place on 6-12 October 2019. Details at https://wcw2019.iasc-commons.org

- More details about the webinar at "Webinars" and "Articles" sections.

Editorial Board

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

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
- ➢ Website: 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

- **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

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.

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

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

Email: 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

4. Conferences

Europe

November 2019

1. 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

2. 14-16 November: XI Conference of users of R (in Spanish)
Venue: REPSOL Auditorium and UNED Faculty of Education, Madrid, Spain

May 2020

3. 12-15 May: INSPIRE Conference 2020
Venue: Dubrovnik, Croatia

North and Central America and the Caribbean

December 2019

4. 9-13 December: AGU Meeting
Venue: San Francisco, California, USA

Africa

November 2019

5. 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

November 2019

6. 18-21 November: Eighth International Conference on Agricultural Statistics (ICAS VIII)
Venue: ICAR-Indian Agricultural Statistics Research Institute, New Delhi, India

Oceania

November 2019

7. 4-9 November: GEO Week and GEI Ministerial Summit
Venue: Canberra, Australia

8. 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-létat-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

- 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.

10. New free and open software, data, etc.

- landscapemetrics: an open-source R tool to calculate landscape metrics

Quantifying landscape characteristics and linking them to ecological processes is one of the central goals of landscape ecology. Landscape metrics are a widely used tool for the analysis of patch-based, discrete land-cover classes. Existing software to calculate landscape metrics have several constraints, such as being limited to a single platform, not being open-source, or involving a complicated integration into large workflows. We present landscapemetrics, an open-source R package that overcomes many constraints of existing landscape metric software. The package includes an extensive collection of commonly-used landscape metrics in a tidy workflow. To facilitate the integration into large workflows, landscapemetrics is based on a well-established spatial framework in R. This allows pre-processing of land-cover maps or further statistical analysis without importing and exporting the data from and to different software environments. Additionally, the package provides many utility functions to visualize, extract, and sample landscape metrics. Lastly, we provide building-blocks to motivate the development and integration of new metrics in the future. We demonstrate the usage and advantages of landscapemetrics by analysing the influence of different sampling schemes on the estimation of landscape metrics. In so doing, we demonstrate the many advantages of the package, especially its easy integration into large workflows. These new developments should help with the integration of landscape analysis in ecological research, given that ecologists are increasingly using R for the statistical analysis, modelling, and visualization of spatial data. (source: ECOGRAPHY, First published: 02 July 2019, https://doi.org/10.1111/ecog.04617)

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).

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: Cartograhy 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)

DEM: Digital Elevation Model

DSM: Digital Surface Models

DWG: Design file format

DXF: Drawing Interchange File

ECMWF: European Center for Medium range Weather Forecasting

EOS: Earth Observation Science

EOSDIS: Earth Observing System and Data Information System

EPA: Environmental Protection Agency

EPSG: European Petrol Survey Group (used in projection IDs)

ESA: European Space Agency

ESERO: European Space Education Resource Office

EUROGI: European Umbrella Organisation for Geographic Information

EuroSDR: European Spatial Data Research

FOSS: Free and Open Source Software

FOSS4G: Free and Open Source Software For Geospatial

GCP: Ground Control Point

GloFAS: Global Flood Awareness System

GNSS: Global Navigational Satellite System

GODAN: Global Open Data for Agriculture and Nutrition

GPS: Global Positioning System

GPX: GPS Exchange Format

GRASPgfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security

GSoC: Google Summer of Code

HOT: Humanitarian OpenStreetMap Team

HPC: high-performance computing

ICA: International Cartographic Association

ICSU-WDS: International Council for Science – World Data System

IDE: Spatial Data Infrastructure

INSPIRE: Infrastructure for Spatial Information in Europe

IPGH: Pan American Institute of Geography and History

ISO: International Organization for Standardization

ISPRS: International Society for Photogrammetry and Remote Sensing

ISPRS: International Society for Photogrammetry and Remote Sensing

JAXA: Japan Aerospace Exploration Agency

KML: Keyhole Markup Language

LiDAR: Light Detection and Ranging

LOC: Local Organizing Committee

LOD: Level Of Detail

MIL: Media and Information Literacy

MoU: Memorandum of Understanding

NAD: North American Datum

NCSA: National Center for Supercomputing Applications

NED: National Elevation Dataset

NEPAD: NEw Partnership for African Development

NGA: National Geospatial Intelligence Agency

NHD: National Hydrologic Dataset

NLCD: National Land Cover Dataset

NSDI: National Spatial Data Infrastructure

NSF: National Science Foundation

OECD: Organisation for Economic Co-Operation and Development

OER: Open Educational Resources

OGC: Open Geospatial Consortium

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 Hydrometeorologyand Enviromental 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

- **By Suchith Anand Chief Scientist, GODAN**

GeoForAll miniconference at World Commons Week 2019

GeoForAll community are pleased to share the summary and recording of the webinar mini-conference on "**GeoForAll contributions to the United Nations Sustainable Development Goals**" during **World Commons Week 2019.**

An important element of World Commons Week 2019 is establishing coordinated local events all over the world on commons-related issues and practice. As part of the World Commons Week 2019, there are a multitude of local events organized in different parts of the world all dedicated to raising awareness about the scholarship and practice of the Commons in many thematic areas, including water, forests, fisheries, and marine settings; the global atmosphere; infrastructure; urban and rural areas; technology and software; and knowledge sharing and co-production.

On 10th October 2019, a GeoForAll miniconference as part of World Commons Week 2019 started with a welcome by Dr. Victoria Rautenbach (GeoForAll chair). Victoria welcomed all to GeoForAll and showed how new participants can join and make use of the software and educational resources. GeoForAll is the Open Source Geospatial Foundation's Education initiative and works in close collaboration with ICA,

ISPRS, UN-GIS, AGILE, UCGIS, IGU, YouthMappers, and other partners worldwide in our mission for making geospatial education and digital economy opportunities accessible to all [1].

The presentation from Sergio Acosta Y Lara (Uruguay) on gvSIG Batovi is an excellent example of a successful initiative in Open Principles in Education and helps us to understand why scalability and costs for scaling is fundamental. Through their focus on Open Principles in Education, they have now provided high quality spatial education to students in all schools across Uruguay. Thanks to the Plan Ceibal they also have free laptops for all Primary and Secondary students in the country, so they truly have the opportunity to reach every student with high quality teaching and learning tools. Details at https://www.youtube.com/watch?v=orwN9K07XPo (Video with English translation)

The presentation from Victor Sunday (UniqueMappersTeam, YouthMappers chapter) shares the work on youth and women empowerment that they are doing in Africa. Their contributions to quality education and climate action are inspiring. GeoForAll is working closely with YouthMappers and other partners worldwide to help provide geoeducation opportunities for all students.

The presentation from Cameron Green (University of Pretoria, South Africa) highlighted the importance of Spatial Data Infrastructures (SDI) and the fundamental link of SDI to all 17 UN SDGs. Many developing countries lack the Spatial Data infrastructure which is key for evaluating and monitoring SDG progress. He showed GeoNode http://geonode.org an open source Content Management System for GIS. There are many examples of GeoNode implementations, for example the World Food Program https://geonode.wfp.org that might be of wider interest.

Suchith Anand (Chief Scientist, GODAN) presented on the importance of Open Principles in Science and Education. Combining the potential of free and open geospatial software, open data, open standards, and open access to research publications will enable the creation of a sustainable innovation ecosystem for helping solve global cross-disciplinary societal challenges from climate change mitigation to zero hunger. Service for the benefit and betterment of

humanity is a key fundamental principle of GeoForAll, and we want to contribute and focus our efforts for the United Nations Sustainable Development Goals. Free and Open Source Software for Geospatial has now made it possible for a large number of government organisations, private companies, and academics in both developed and developing countries to make use of geospatial software in many application domains. This will ensure that geo education and geo digital economy opportunities are also available to economically poor countries and economically poor people worldwide. Central to the "Geo for All" mission is the belief that knowledge is a public good and Open Principles in Education will enable broadly shared prosperity for all.

The presentations were followed by Q&A from the participants. We thank all presenters and particpants and the wider GeoForAll community for their contributions.

As our next step, we to want learn from successful initiatives like gvSIG Batovi, GIS at School, etc. to scale our teacher training programs for schools to provide geoeducation and STEM education opportunities to millions of students globally and welcome ideas. Spatial Education is key for tackling Climate Change. One of our GeoForAll labs established at the UNEP/GRID-Warsaw Centre in Poland has been doing pioneering work on Environmental Management, Active Education over many years. Details at https://www.gridw.pl/en/opensourcegeolab

One of the inspiring works that they are involved in is GIS at School http://www.edugis.pl/en/images/stories/guide/gis-at-school.pdf

We thank Dr Rafael Moreno at UC Denver for hosting the mini-conference and Prof. Charles Schweik (UMass Amherst) who is lead organiser of the WCW2019 for inviting GeoForAll community to share ideas.

Mini-conference webcast recording https://www.youtube.com/watch?v=Bd8Oe1Z-p3E

Topic Start and End Time in the video.

1. Suchith Anand (Chief Scientist, GODAN) – Introduction 0:00-0:08

2. Victoria Rautenbach (GeoForAll chair) – Welcome to GeoForAll 0:10-0:15

3. Sergio Acosta y Lara (Dirección Nacional de Topografía,Ministerio de Transporte y Obras Públicas, Uruguay) – Experiences from the 3rd edition of the course-contest Projects with students and gvSIG Batoví 0:15-0:39

4. Victor Sunday (Director, Unique Mappers Team. Nigeria) – Open Source and Open Data for all. 0:40-1:01

5. Cameron Green (University of Pretoria)-GeoNode for data management and sharing. 1:01-1:23

6. Suchith Anand (Chief Scientist, GODAN) – Open Principles in Science and Education. 1:23-1:44

7. Q& A and Discussions 1:44-2:00

[1] https://www.osgeo.org/foundation-news/please-share-geoforall-teaching-research-resources-colleagues-students/

17. Ideas / Information

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. University of Colorado – College of Liberal Arts & Sciences

Assistant Professor position

The University of Colorado Denver l Anschutz Medical Campus seeks individuals with demonstrated commitment to creating an inclusive learning and working environment. We value the ability to engage effectively with students, faculty and staff of diverse backgrounds.

The Department of Geography and Environmental Sciences (GES) at the University of Colorado Denver (CU Denver) invites applications for a tenure-track

appointment at the Assistant Professor level in the area of Human-Environment Interactions to begin in August 2020. We seek a Human Geographer focused on environment-society topics such as energy and resources, environmental justice, food and agriculture, natural hazards, social vulnerability, urbanization and development, and/or water resources. Candidates should demonstrate rigorous and innovative theoretical, methodological and public engagement/communication components to their social science research. We also seek candidates committed to excellent teaching and mentoring at the undergraduate and graduate levels.

Assistant Professor – 17211
Assistant Professor
https://cu.taleo.net/careersection/2/jobdetail.ftl 1 of 4 9/13/2019, 2:15 PM
The candidate will be expected to teach four courses (2/2) per academic year that may include undergraduate classes such as Environment, Society and Sustainability and Introduction to Human Geography as well as advanced undergraduate and graduate courses in their area of specialization. Candidates must have a PhD in geography or related discipline at the time of appointment and maintain an active research program that yields publications and external grant submissions.
Posting Date Sep 12, 2019, 9:09:30 AM
Unposting Date Ongoing
Posting Contact Name: Gregory Simon
Posting Contact Email: gregory.simon@ucdenver.edu
Position Number: 00636687

3. Assistant Professor Position in Spatial Data Science
Target Date for Applications: 15 October 2019
Position Description: The Department of Geography at the University of Colorado Boulder invites applications for an Assistant Professor level tenure-track position in Geographic Information Science (GIScience) with specific focus on environmental or social applications of Spatial Data Science, beginning in August 2020.
We seek candidates whose work advances the frontiers of spatiotemporal analytics and geographic data science in creative and novel ways to drive emerging questions involving change and dynamics, and in the interplay between human and

environmental systems, as related to natural hazards or climate, natural or human resources, public health, demography, urbanization, or other questions at the nexus of human-natural dimensions of environmental change. The successful candidate has a strong foundation in GIScience, current and emerging methods in statistics, data science, and/or machine learning, and can demonstrate a commitment to interdisciplinary research in and beyond the geographical sciences.
As part of the normal three courses per year teaching expectation, the successful candidate will rotate regularly into three existing courses: Introductory GIScience, Basic Statistics and Advanced Quantitative Methods at least every other year. The candidate will teach an upper division elective in spatiotemporal analysis for undergraduate and graduate students. The candidate will also regularly teach a graduate level seminar on a research topic of their choosing and congruent with student demand and department needs. There is also the potential to align teaching with an interdisciplinary professional certificate / degree in Earth Data Analytics blending data science and Earth systems knowledge, which is run through Earth Lab.
This is a full-time, nine-month position. Research and service to the university are also components of the regular workload for all faculty. All requirements for the Ph.D. in Geography or a cognate discipline, else in Computer Science or in Informatics with demonstrated relevance to spatial data and spatial analysis must be completed by August 2020.
Applications are accepted electronically at https://jobs.colorado.edu/jobs/JobDetail/?jobId=20553 and should include an application letter, a curriculum vitae, up to three relevant reprints of publications, evidence of teaching effectiveness, and 1-2 page statements of research and teaching plans. Also provide the names and e-mail addresses of three professional references. The search committee will solicit letters from these individuals. Applications received by 15 October 2019 will receive full consideration; and the review of applications will continue until the position is filled.
For further information and inquiries, please contact Professor Barbara Buttenfield (babs@colorado.edu).

4. University of Colorado Denver
GAMLab Director position (#768665) in the College of Liberal Arts and Sciences – Geography and Environmental Sciences Department
Deadline: November 8th
Director of the Geospatial Analysis & Mapping Laboratory (GAMLab) – 17419
Position Emphasis:

The Department of Geography and Environmental Sciences (GES) is seeking a candidate to direct, maintain, and manage the new Geospatial Analysis and Mapping Laboratory (GAMLab). The GAMLab Director position is a staff position within GES and will report directly to the Chair of the department. The successful candidate will be dynamic, innovative, and possess an entrepreneurial spirit to advance the capacity and mission of the lab. Responsibilities for the position include: 1) support of faculty and student research projects; 2) development of training opportunities (e.g. workshops) and generation of external contracts for cartographic and geospatial work performed in the lab; 3) oversight and coordination of students working on contract projects; 4) management of lab operations and budget. In addition, the candidate will build productive relationships with faculty in GES and affiliated departments, as well as create awareness of the lab and its services to the Denver community through networking activities and events.
Full description here:
https://cu.taleo.net/careersection/2/jobdetail.ftl?job=17419

5. About Digital Feudalism
by Prof. Mariana Mazzucato on "Digital Feudalism" at
https://www.project-syndicate.org/commentary/platform-economy-digital-feudalism-by-mariana-mazzucato-2019-10?utm_source=Project+Syndicate+Newsletter&utm_campaign=d192f2bc47-sunday_newsletter_6_10_2019&utm_medium=email&utm_term=0_73bad5b7d8-d192f2bc47-105013549&mc_cid=d192f2bc47&mc_eid=a8cee90b20
Prof. Mazzucato is a leading researcher and thinker on Technology and Innovation, advisor to the European Commission on research and innovation strategy, and

author of two important books on the subject, "The Value of Everything" and "The Entrepreneurial State".
The report on "Mission-oriented Research and Innovation in the European Union" might also be of interest:
https://ec.europa.eu/info/sites/info/files/mazzucato_report_2018.pdf

6. There is an invitation to anyone interested in submitting research articles to the Special issue "Advances in Social Network Analysis – Spatio-Temporal and Semantic Methods" in the Open Access Journal ISPRS International Journal of Geo-Information. More information and the full call for papers can be found at
https://www.mdpi.com/journal/ijgi/special_issues/social_spatial
Submission deadline: 30 June 2020.
Data from geospatial applications, such as social media, location-based service (LBS) and volunteered geographic information (VGI) platforms, has become a prominent source for modeling human behavior and for better understanding complex social dynamics in geographic spaces. The massive amount of multi-dimensional data (spatial, temporal, semantic) from these sources is typically unstructured and thus calls for an advance in data representation, modeling, analysis, and visualization for the successful transition from data to information. This Special Issue is inviting contributions that demonstrate integrated analysis of spatial, temporal, and semantic data from social networks, including their content, linkage, and structure, towards a better understanding of social behavior, human interaction patterns and the dynamic characteristics of real-world phenomena and events. This involves novel use of machine learning approaches, analysis frameworks, data mining, and (geo-) statistical methods to exploit unstructured content of social network data. This Special Issue also encourages the demonstration of new analytical tools, discussion of current data privacy and licensing issues, the exploration of data from lesser known social media, LBS, and VGI platforms, and the application of fusion methods of data across multiple platforms.