

PERSONAL INFORMATION

Andrea Ajmar



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💬 Skype

Sex Male | Date of birth xxxxxxxxxx Nationality Italian

POSITION

Researcher, Geomatics

WORK EXPERIENCE

Since November 2019

Researcher

Politecnico di Torino - Interuniversity Department of Regional and Urban Studies and Planning (DIST), Viale Pier Andrea Mattioli, 39, I-10125 Torino, Italy. Web: <http://www.dist.polito.it/en/>

Teaching:

- Geographic Information Systems (postgraduate degree in GEOGRAPHY AND TERRITORIAL SCIENCES)
- Advanced GIS (postgraduate degree in GEOGRAPHY AND TERRITORIAL SCIENCES)
- Surveying and cad modelling (postgraduate degree in GREEN AREAS AND LANDSCAPE DESIGN)
- Advanced geospatial data management (PhD in URBAN AND REGIONAL DEVELOPMENT)

February 2007 – November 2019

Senior Researcher – Geographic Information specialist

ITHACA – Information Technology for Humanitarian Assistance, Cooperation and Action
Via P.C. Boggio 61, I-10138 Torino, Italy. Web: www.ithacaweb.org

- Internal project manager for:
 - LEXIS (H2020), aimed at building an advanced engineering platform at the confluence of HPC, Cloud and Big Data. Within LEXIS, the role of ITHACA is to evaluate the impact of hazard predictions on satellite acquisitions pre-triggering and on emergency mapping (e.g. Copernicus EMS-RM) products improvement (<https://lexis-project.eu>)
 - ESA EO Clinic, rapid-response mechanism for small-scale and exploratory uses of satellite EO information in support of a wide range of projects and activities specific to International Development (https://eo4society.esa.int/eo_clinic/)
 - Italian Maritime Economy Annual Reports: analysis of containerships and Ro-Ro AIS historical movements and port calls aimed at identifying major commercial patterns, with a specific focus on the Mediterranean basin – 2017-2018
 - Sustainable Urban Mobility Planning in Myanmar (EuropeAid/135-157/L/ACT/MM) aimed at improving the capacity of the City of Yangon in planning, analysis and management of mobility and control of traffic flows, providing technological solutions for the management and planning of traffic flows and mobility, increasing awareness of citizens / members of urban communities of the need to develop responsible behaviours for a sustainable private and public mobility. Activities include data gap analysis and means for new data acquisition and integration with open reference data (OpenStreetMap), SDI design and implementation and training on transportation related data management – 2015-2017
 - Solid Waste Management in Myanmar (EuropeAid DCI-NSAPVD/2012/310-773) aimed at integrating environmental protection principles into policies and programmes in Myanmar by strengthening the capacities of Local Authorities of Yangon City in solid waste management. Activities include data gap analysis and means for new data acquisition, SDI design and implementation and training on GIS basic concepts, remote sensing, GPS data collection and integration with open reference data (OpenStreetMap), data management, data analysis and representation – 2013-2016
 - Spatial Data Infrastructure for UN WFP: design and implementation of a global geodatabase, procedures and tools for efficiently and effectively storing, analysing and representing geographic

data. Development and integration of additional components such as metadata catalogue, data access and processing services, WebGIS applications (2007-2015)

- Project involvement:
 - Copernicus "Emergency Management Service – Rapid Mapping (2015-ongoing) and Mapping in Rush Mode" 2012-2014 (<http://emergency.copernicus.eu/mapping/list-of-activations-rush>): on-demand and fast provision (within hours or days) of geospatial information derived from satellite remote sensing and completed by available in situ or open data sources in support of emergency management activities immediately following an emergency event. Analyses of the Copernicus EMS technical specifications and requirements (exploiting also the active role in IWG-SEM). Identification of proper ETL procedures for specific EU NMCA reference datasets. Involvement in the EM-KEN meetings supporting the analysis of the Emergency Mapping Service requirements in the framework of action coordinated by EEA to secure the access to EU NMCA datasets for the Copernicus EMS. Geospatial data management and integration (including data coming from crowdsourced mapping initiatives), software customization, thematic image processing and interpretation, rapid mapping production
 - Geospatial data management and integration within different projects aiming at building national spatial data infrastructures (Malawi, Haiti) based on OpenSource technologies
 - GMES Preparatory Action "GMES Reference Data Access covering areas outside Europe – Lot 2 : analysis of non-EU reference data availability, quality and consistency and identification of related data information gaps ranked by priority, including actions for complementary technical activities to remedy – 2009-2012
 - Specialist in thematic image processing and interpretation and rapid mapping production in support to WFP Emergency Preparedness and Response unit – 2007-2010
 - Deployment in the field to support WFP operations in Haiti for the 2010 earthquake damage assessment (Port-au-Prince, 2010).
 - Capacity building on relevant GIS and Remote Sensing techniques for WFP officers, NGO's and local authorities in developing countries (Egypt, Malawi, Myanmar, Russia, Thailand)
- Lecturer in international training courses mainly focused on GIS and SDI:
 - Traffic and routing data input and management training in the framework of SUMP project, Yangon (Myanmar), 7-15 February 2017
 - Data analysis and representation training in the framework of SWM2 project, Yangon (Myanmar), 26-30 October 2015
 - Rapid Mapping technical training in the framework of Malawi Spatial Data Platform, Lilongwe (Malawi), 29 September – 1 October 2014
 - Basic GIS training in the framework of Malawi Spatial Data Platform, Lilongwe (Malawi), 20-24 January 2014
 - Basic GIS training in the framework of SWM2 project, Yangon (Myanmar), 21-25 November 2013
 - GIS and Remote Sensing training for UN WFP officers, Torino (Italy), 10-13 October 2011
 - Advanced GIS and Remote Sensing Technical Training for the World Food Programme, Myanmar Office, Yangon and Nay Pyi Taw (Myanmar), 20-27 September 2011
 - Geomatics supporting Disaster Management for the 3S 2010 International Summer Student Seminar, Novosibirsk (Russia), 21-25 September 2010
- Drafting of geomatics-related international projects proposals
- Organization of international technical training courses

Business or sector Research institute (Non Profit association)

September 2000 – January 2007

Researcher and GIS analyst

Istituto Geografico De Agostini. 15, via G. da Verrazano, I-28100 Novara, Italy

- Responsible for the project Map of Italy at scale 1/100.000; geodatabase definition and implementation, internal coordination and software customization. Extraction of relevant information for cartographic data updating from satellite images.
- Coordination of the activities finalized to the realization of an interferometric DEM (based on SAR images) with 20m resolution and 15m precision for the whole Italian territory. Development of software procedures.
- Since march 2005, coordination of the working group in charge of the realization of high quality cartography (atlases, raster maps, internet services) for business users; among the clients, Shell, Esso, Routex consortium, Tamoil, Volvo, BMW, Corriere della Sera (Italian newspaper).

Business or sector Map editor/publishing

March 1997 – August 2000

Researcher and Environmental Officer

ERSAL (Regional Office for Agricultural Development of Lombardy), now named ERSAF.
38, via Copernico, I-20125 Milano, Italy.

- Responsible of the Floodgen project (CEO program, DGXII); use of remote sensing techniques for mapping the upstream contributing agricultural areas in the form of risk categories for the flood zones located downstream. Design and test of a remote sensing based decision support tool for modulating the land management policy in order to reduce flood risk.
- Development of the program to activate on the Po plain a pilot zone for the preliminary test of the defined procedures for the realization of the new 1/250.000 European Soil Database.
- Responsible for the Idropedo project, finalized to the characterization of physical and hydrological properties of soil; that project included field campaigns, data acquisition and management in a MS Access database, data analysis and modeling.
- Realization of detailed DEM using GPS instruments.

Business or sector Public administration

January 1997 – February 1997

GIS analyst

RSDE (Remote Sensing Data Engineering) 78, via G. Washington, I-20146 Milano, Italy

Geometrical correction, georeferentiation and interpretation of satellite images in the framework of the CORINE Land Cover project.

Business or sector Remote Sensing SME

April 1996 – December 1996

Researcher and GIS analyst

European Commission Joint Research Centre, 1, via Enrico Fermi, I-21027 Ispra (VA), Italy

- Application of geostatistic and multi-variate analysis to pedological data.
- Elaboration and interpretation of multi-spectral data obtained with a transportable spectroradiometer (Fieldspec) from about 60 soil samples; evaluation on the possibility to define soil colour automatically on the basis of spectral response.
- Collaboration with the European Soil Bureau, coordination body for the pedological research in Europe. Activities relates to the update and control of version 3.2 of the European Soil Database at scale 1/1.000.000 and to the planning of the new database at scale 1/250.000.

Business or sector International organization

September 1995 – March 1996

Researcher and GIS analyst

INRA (National Institute for Agronomic Research), 2163 avenue de la Pomme de Pin – Ardon, F-45075 Orleans, France

Geostatistical and multi-variate analysis approach for soil classification; PCA and mono- and multi-variance regression analysis have been applied to various combinations of physical and chemical properties of 65 soil profiles realized on alluvial terraces of Garonna river.

Business or sector International organization

EDUCATION AND TRAINING

September – November 2018

21, 23, 25 July 2014

Project Management (27 hours)

Corso sul Project Management - Metodologie e strumenti per la pianificazione, gestione e controllo di un progetto

Presenting to the scientific community (CEIPIEMONTE S.C.P.A.)

20 December 2011 and 17

January 2012

11 February 2011

International Business Communication (CEIPIEMONTE S.C.P.A.)

January 2008 – December 2010

PhD in Environmental Geoengineering, "Design and implementation of a Spatial Data Infrastructure for the UN World Food Programme"

Politecnico di Torino – Land, Environment and Geoengineering Dept., Corso Duca degli Abruzzi 24, I-10129 Torino, Italy

Design, testing and implementation of a complete solution for the UN WFP Spatial Data infrastructure. WFP SDI provides geographic data storage capabilities, instruments for data searching and retrieving through a metadata catalogue, data access services, processing services and WebGIS applications. Specific tools has been developed to support emergency preparedness and response activities, such as identification of flood prone areas, affected population estimates and automatic map production exploiting map templates.

September 1988 – July 1994

Master’s degree in Geology

Università degli Studi di Milano. 7, via Festa del Perdono, I-20122 Milano, Italy

Realization of a geomorphological and a Quaternary geological map, both at scale 1/10.000, of an alpine valley of Lombardy. Moreover, in the framework of a research program on climate changes, on a territory covering the valleys Codera, Masino, Preda Rossa and Bondasca (at the border between Italy and Switzerland) the Olocenic variations in surface of approximately 60 glaciers have been analyzed using data deriving from field surveys and remote sensing. All data have been stored in a GIS information system using a workstation Intergraph and Auto-CAD and Ilwis software.

September 1983 – June 1988

High School Graduation

Liceo-Ginnasio C. Beccaria, Milano, Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	C2	C2	C1	C1	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Excellent communication skills g deriving from the frequentation of academic fora. Very good ability to work in team. Good ability to adapt to multicultural environments, gained though my work experience abroad.

Organisational / managerial skills

Good experience in project and team management, reinforced through specific training held in 07/2014 and 09-11/2018.

Job-related skills

- Deep experience on cartography, geospatial data creation, management and analysis, Spatial Data Infrastructures design and implementation
- Solid background in processing of geo-spatial data/digital images acquired by aerial/satellite/terrestrial sensors in different part of the e.m. spectrum (VIS, NIR, TIR,...) with different technical feature (spatial, radiometric, spectral, temporal resolution).

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Very good command of Microsoft Office™ tools (Word™, Excel™, Access™, and PowerPoint™).
- Good command of MacOS based systems
- GIS Software: Arc/Info, ArcGIS Desktop, ArcGIS Server, QuantumGis, Geomedia, ArcView 3, MapInfo, Idrisi, Envi, Erdas, PCI Geomatics;
- 3D rendering software: Visual Nature Studio 2
- Database: Oracle, PostgreSQL/PostGIS
- Programming languages: AML, Visual Basic and Python.
- I have acquired good competences of technical software through specific training:
 - - 03/2006 Intergraph Corporation, Geomedia 6.0 Professional
 - - 11/2002 ESRI Italia, Programming ArcObjects with VBA
 - - 02/2002 Oracle, Oracle technical overview and SQL language
 - 06/2000 ESRI Italia, Advanced ArcView GIS

Driving licence Categories A and B

ADDITIONAL INFORMATION

Certifications

- National scientific qualification to function as associate professor in Italian Universities for the period 2017-2023
- Member of the scientific/technical programme committee in the following National and International Conferences:
 - GISTAM 2021 International Conference on Geographical Information Systems Theory, Applications and Management, online streaming, 23/25 April 2021
 - GISTAM 2020 International Conference on Geographical Information Systems Theory, Applications and Management, online streaming, 7-9 May 2020
 - GISTAM 2019 International Conference on Geographical Information Systems Theory, Applications and Management, Heraklion, Crete – Greece, 3-5 May 2019
- Best poster award
 - ISPRS Congress 2008 - “WFP SDI implementation in support of emergency management”

Publications:

Book chapters:

1. Mazzoglio, P., Ajmar, A., Schumann, G.J.P., Balbo, S., Boccardo, P., Perez, F., Borgogno-Mondino, E. (2021) Satellite-Based Approaches in the Detection and Monitoring of Selected Hydrometeorological Disasters. In: Nhamo G., Chapungu L. (eds) The Increasing Risk of Floods and Tornadoes in Southern Africa. Sustainable Development Goals Series. Springer, Cham. https://doi.org/10.1007/978-3-030-74192-1_2
2. Goubier, T., Ajmar, A., D'Amico, C., Dubrulle, P., Grita, S., Louise, S., Martinovič, J., Martinovič, T., Rakowsky, N., Savio, P., Schorlemmer, D., Scionti, A., Terzo, O. (2019) Earthquake and Tsunami Workflow Leveraging the Modern HPC/Cloud Environment in the LEXIS Project. In: Barolli L., Nishino H., Enokido T., Takizawa M. (eds) Advances in Networked-based Information Systems. NBIS - 2019. Advances in Intelligent Systems and Computing, vol 1036. Springer, Cham. DOI: https://doi.org/10.1007/978-3-030-29029-0_21
3. Ajmar, A., Boccardo, P., Broglia, M., Kucera, J., Giulio-Tonolo, F., Wania, A. (2017). Response to flood events: the role of satellite-based emergency mapping and the experience of the Copernicus Emergency Management Service (EMS). In: Molinari, D., Menoni, S., Ballio, F. (2017). Flood Damage Survey and Assessment: New Insights from Research and Practice, pp. 213-228. Geophysical Monograph 228, John Wiley & Sons, Inc., Hoboken, NJ, USA, ISBN: 978-1-119-21792-3
4. AJMAR A., BOCCARDO P., GIULIO TONOLO F., VELOSO C. (2010). Earthquake damage assessment using remote sensing imagery. The Haiti case study. In: ALTAN O., BACKHAUS R., BOCCARDO P., ZLATANOVA S. Geoinformation for Disaster and Risk Management. Examples and best practices. p. 31-37, Copenhagen: JB GIS, ISBN/ISSN: 978-87-90907-88-4
5. AJMAR A, BOCCARDO P, GIULIO TONOLO F. (2010). Satellite based rapid mapping supporting post-disaster assessment. In: HORST KREMERS, ALBERTO SUSINI. Risk Models and Applications. p. 1-10, BERLIN: CODATA-Germany e.V., ISBN/ISSN: 978-3-00-030278-7
6. AJMAR A, GIULIO TONOLO F., PEREZ F (2010). Flood mapping in support of Humanitarian Organizations. In: ALTAN O., BACKHAUS R., BOCCARDO P., ZLATANOVA S. Geoinformation for Disaster and Risk Management. Examples and best practices. p. 7-12, COPENHAGEN: JB GIS, ISBN/ISSN: 978-87-90907-88-4
7. Rasio R., Ajmar A., Alberti L., Francani V., Lassini P., Mariani L., Previtali F., Valtorta R. (1999) - La terra e le acque. Electa, Milano, 1999, ISBN: 884357289X, ISBN-13: 9788843572892

Journals:

1. Rossi L, Ajmar A, Paolanti M, Pierdicca R (2021) Vehicle trajectory prediction and generation using LSTM models and GANs. PLoS ONE 16(7): e0253868. <https://doi.org/10.1371/journal.pone.0253868>
2. Ajmar, A., Annunziato, A., Boccardo, P., Tonolo, F.G., Wania, A. (2019). Tsunami modeling and satellite-based emergency mapping: Workflow integration opportunities. Geosciences (Switzerland) Open Access, Volume 9, Issue 7, 2019, Article number 314
3. Arco, E., Ajmar, A., Ameodo, F., Boccardo, P. (2017) An operational framework to integrate traffic message channel (TMC) in emergency mapping services (EMS). European Journal of Remote Sensing 50(1), pp. 478-495
4. Ajmar A, Boccardo P, Disabato F, Giulio Tonolo F (2015) Rapid Mapping: geomatics role and research opportunities. Rendiconti Lincei: Volume 26, Issue 1 (2015), Page 63-73. Springer Milan DOI: 10.1007/s12210-015-0410-9
5. Ajmar A., Albanese A., Disabato F., Miotto F. (2012) - Integration of satellite and rainfall data for the identification of flood events in developing countries. In: RIVISTA ITALIANA DI TELERILEVAMENTO, vol. 44 n. 1, pp. 167-180. - ISSN 1129-8596
6. Ajmar A, Balbo S, Boccardo P, Giulio Tonolo F, Piras M, Princic J (2011). A Low-Cost Mobile

- Mapping System (LCMMS) for field data acquisition: a potential use to validate aerial/satellite building damage assessment. *INTERNATIONAL JOURNAL OF DIGITAL EARTH*, ISSN: 1753-8947, doi: 10.1080/17538947.2011.638991
7. AJMAR A, BOCCARDO P, GIULIO TONOLO F. (2011). Earthquake damage assessment based on remote sensing data. The Haiti case study. *RIVISTA ITALIANA DI TELERILEVAMENTO*, vol. 43/2; p. 123-128, ISSN: 1129-8596, doi: 10.5721/ItJRS20114329
 8. AGOSTO E, AJMAR A, BOCCARDO P, GIULIO TONOLO F., LINGUA A (2008). Crime Scene Reconstruction Using a Fully Geomatic Approach. *SENSORS*, vol. 8; p. 6280-6302, ISSN: 1424-8220, doi: 10.3390/s8106280
 9. AJMAR A, BOCCARDO P, DISABATO F, GIULIO TONOLO F., PEREZ F, SARTORI G (2008). Early impact procedures for flood events. February 2007 Mozambique flood. *RIVISTA ITALIANA DI TELERILEVAMENTO*, vol. 40; p. 65-77, ISSN: 1129-8596
 10. AJMAR A, DISABATO F, GIULIO TONOLO F., PEREZ F, VIGNA R, BOCCARDO P. (2008). Geomatica a supporto delle emergenze. *MONDOGIS*, vol. 64; p. 17-20, ISSN: 1128-8175
 11. Ajmar A; Boccardo P.; Perez F; Terzo O (2008) - Implementazione di un'infrastruttura di dati spaziali a supporto alla pianificazione e a sostegno dello sviluppo. In: *MONDOGIS*, vol. 69. - ISSN 1128-8175
 12. Ajmar Andrea, Boccardo Piero, Disabato Franca, Tonolo Fabio Giulio, Perez Francesca, Sartori Giorgio (2008). Procedure di Early Impact in risposta ad eventi alluvionali. Il caso dell'evento alluvionale in Mozambico 2007. *RIVISTA ITALIANA DI TELERILEVAMENTO*, vol. 40, p. 65-77, ISSN: 1129-8596
 13. Ajmar A., Vigna R. (2008). Geomatics and remote sensing to support environmental emergencies - ITHACA project. *Rendiconti Online Societa Geologica Italiana*, Volume 3, Issue 1, 2008, Pages 8-9
 14. Ajmar A., Vanuzzo C. (1997) - Variazioni oloceniche del settore Masino-Bregaglia. *Societa' Lombarda di Scienze e Lettere, Rendiconti dell'Istituto Lombardo Accademia di Scienze e Lettere*, Vol. 131 – Fasc. 1 e 2.

Proceedings:

- Antonio Parodi, Emanuele Danovaro, James Hawkes, Tiago Quintino, Martina Lagasio, Fabio Delogu, Mirko D'Andrea, Andrea Parodi, Biagio Massimo Sardo, Andrea Ajmar, Paola Mazzoglio, Fabien Brocheton, Laurent Ganne, Rubén J. García-Hernández, Stephan Hachinger, Mohamad Hayek, Olivier Terzo, Jan Krenek, Jan Martinovic (2021). LEXIS Weather and Climate Large-Scale Pilot. 14th International Conference on Complex, Intelligent and Software Intensive Systems, CISIS 2020, held in conjunction with the 14th International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing, IMIS 2020
- Arco, E.; Ajmar, A.; Cremaschini, F.; Monaco, C. (2021). SPATIO TEMPORAL DATA CUBE APPLIED TO AIS CONTAINERSHIPS TREND ANALYSIS IN THE EARLY YEARS OF THE BELT AND ROAD INITIATIVE – FROM GLOBAL TO LOCAL SCALE. *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLIII-B4-2021, 71–78, 2021
- A. Ajmar, E. Arco, P. Boccardo (2020). Definition of a methodology to derive road network functional hierarchy classes using car tracking data. *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLIII-B4-2020, 307–312, <https://doi.org/10.5194/isprs-archives-XLIII-B4-2020-307-2020>, 2020
- Ajmar, A., Arco, E., Boccardo, P. (2019). Road network comparison and matching techniques. a workflow proposal for the integration of traffic message channel and open source network datasets. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, Volume 42, Issue 2/W13, 4 June 2019, Pages 1503-1509. 4th ISPRS Geospatial Week 2019; Enschede; Netherlands; 10 June 2019 through 14 June 2019; Code 148406
- Ajmar, A., Arco, E., Boccardo, P., Giulio Tonolo, F., Yoong, J. (2019). Updating a road network dataset exploiting the results of semantic segmentation techniques applied to street-level imagery. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, Volume 42, Issue 2/W13, 4 June 2019, Pages 1511-1516. 4th ISPRS Geospatial Week 2019; Enschede; Netherlands; 10 June 2019 through 14 June 2019; Code 148406
- Ajmar, A., Arco, E., Boccardo, P. (2019). A spatial database model for mobility management. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, Volume 42, Issue 2/W13, 4 June 2019, Pages 1495-1502. 4th ISPRS Geospatial Week 2019; Enschede; Netherlands; 10 June 2019 through 14 June 2019; Code 148406
- Ajmar, A., Arco, E., Boccardo, P., Perez, F. (2019) Floating Car Data (FCD) for mobility applications. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, Volume 42, Issue 2/W13, 4 June 2019, Pages 1517-1523. 4th ISPRS Geospatial Week 2019; Enschede; Netherlands; 10 June 2019 through 14 June 2019; Code 148406
- A. Ajmar, S. Balbo, P. Boccardo, F. Pongelli, F. Stompanato (2015) - How distributed geodata solutions improve emergency management efficiency. In *Geoscience and Remote Sensing Symposium (IGARSS)*, IEEE International, pp.4844-4847, 26-31 July 2015
- A. Ajmar, A. Albanese, E. Cristofori, R. Vigna (2013) - Automated extreme rainfall monitoring and

- forecasting: towards an effective alerts dissemination for humanitarian practitioners. In: EMS Annual Meeting Abstracts, Reading (UK).
- A. Ajmar, A. Albanese, E. Cristofori, R. Vigna (2013) - Integrazione di dati satellitari e modelli di previsione meteorologica per la valutazione del rischio alluvionale. In: Il telerilevamento per il monitoraggio e la gestione del territorio. pp. 29-30
 - Ajmar A., Balbo S., Facello A., Perez F., Steffenino S., Vigna R. (2011) - Geospatial reference data access for emergency response: data inventory and quality assessment. In: Geoinformation for Disaster Management (GI4DM), Antalya (Turkey), 3-8 May 2011
 - Ajmar A., Albanese A., Boccardo P., Disabato F. (2011) - Individuazione delle precipitazioni estreme e creazione di scenari d'evento per la gestione di emergenze a scala mondiale. In: 5° workshop tematico Telerilevamento e le nuove scienze della terra, Bologna, 23-24 giugno 2011. pp. 64-65
 - Disabato F., Ajmar A., Albanese A. (2010) - Integrazione di dati satellitari e pluviometrici per l'identificazione degli eventi alluvionali in paesi in via di sviluppo. In: 14 a Conferenza Nazionale ASITA - Brescia 9-12 novembre 2010, brescia, 9-12 novembre 2010. pp. 27-32
 - AJMAR A, BOCCARDO P, BALBO S, GIULIO TONOLO F, PIRAS M (2010). A low cost Mobile mapping System for field data acquisition to support emergency response. In: Proceedings VALgEO2010. Ispra, ITALY, 11-13 October 2010, p. 25-31, ISBN:978-92-79-15630-4. ISSN: 1018-5593. Doi:10.2788/15759. EUR: 24530EN
 - Ajmar A, Boccardo P, Terzo O (2010) - UN WFP spatial data infrastructure. In: Core Spatial Databases - Updating, Maintenance and Services - from Theory to Practice, Haifa Israel, 15-17 March 2010
 - Ajmar A, Terzo O (2010) - High Availability systems for Geographics Information. In: GI4DM conference Geomatics for Crisis Management, Turin Italy, February 2-4, 2010.
 - AHMED T, AJMAR A, DISABATO F, GIULIO TONOLO F., MCHARRIS J, PIETRANERA L (2010). International cooperation for disaster rapid mapping. The Aila cyclone case study in Bangladesh. In: Proceedings GI4DM Conference. Torino, ITALY, 2-4 Febbraio 2010, ISBN/ISSN: 978-88-903132-3-3
 - AJMAR A, BOCCARDO P, DISABATO F, GIULIO TONOLO F. (2010). Near real time flood monitoring tool. In: Proceedings GI4DM Conference. Torino, 2-4 Febbraio 2010, ISBN/ISSN: 978-88-903132-3-3
 - AJMAR A., BOCCARDO P., GIULIO TONOLO F. (2010). La risposta al terremoto di Haiti: l'esperienza di Ithaca. In: Atti 14a Conferenza Nazionale ASITA. Brescia, 9-12 novembre 2010, Milano: ASITA, p. 21-26, ISBN/ISSN: 9788890313257
 - AJMAR A, DISABATO F, GIULIO TONOLO F., MCHARRIS J, PEREZ F, PIETRANERA L (2009). Il ciclone Aila in Bangladesh: un esempio di collaborazione internazionale per la gestione dell'evento. In: Atti 13a Conferenza Nazionale ASITA. Bari, 1 - 4 Dicembre 2009, p. 47-52, ISBN/ISSN: 978-88-903132-2-6
 - Ajmar A.; Perez F; Terzo O; Vigna R (2009) - World Food Programme Spatial Data Infrastructure and the Global Change analysis. In: 2nd International Conference on Earth Observation for Global Changes, Chengdu, China
 - GIULIO TONOLO F., AJMAR A, BOCCARDO P, COLETTA A, PEREZ F, VELOSO C (2008). Il supporto italiano alla gestione delle emergenze ambientali: il ciclone in Myanmar e il terremoto in Cina. In: Atti 12a Conferenza Nazionale ASITA. L'Aquila, 21-24 ottobre 2008, vol. I, p. 59-64, ISBN/ISSN: 978-88-903132-1-9
 - Ajmar A. (2008) - Dati storici e cartografia di primo intervento nelle emergenze ambientali. In: ASITA, L'Aquila, 21-24/10/2008
 - Ajmar A, Arcidiacomo M, Busin D, Terzo O (2008) - WFP SPatial Data Infrastructure: sviluppo di un ambiente di analisi e pubblicazione su piattaforma Open Source. In: XII conferenza Nazionale ASITA, Aquila, Italia, 21-24 Ottobre 2008.
 - Ajmar A, Perez F, Terzo O (2008) - WFP SDI implementation in support of emergency management. In: XXI Congress The International Society for Photogrammetry and Remote Sensing ISPRS congress, Beijing, China, 3-11 July 2008.
 - Ajmar A; Perez F.; Sartori G (2007) - Sviluppo e implementazione di una Spatial Data Infrastructure per il World Food Programme. In: XI Conferenza ASITA, Torino, Italia, Novembre 2007. pp. 27-32
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- Co-chairman of the International Working Group on Satellite based Emergency Mapping (IWG-SEM) from April 2013 to May 2014 (active member since 2012). Part of the authors' group of the Emergency Mapping guidelines of the International Working Group on Satellite based Emergency Mapping (IWG-SEM, www.iwg-sem.org).
 - Member of the AIC (Italian Association for Cartography) in the period 2003-2013
 - Member of the scientific committee of ASITA (Federation of the Italian Scientific Associations devoted to Geomatics and Environmental applications) in the period 2008-2012
 - Secretary of the ISPRS (International Society for Photogrammetry and Remote Sensing) ICWG IV/VIII - Updating and Maintenance of Core Spatial Databases in the period 2008-2012

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