Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Ignacio Agustín Gatti**
Nationality	Argentina
Date of birth	25/11/1984
Gender	Male
Desired employment / Occupational field	Disaster Risk Reduction and Remote Sensing Specialist

Work experience

Dates	**Since 01/10/2024**
Occupation or position held	**Senior Research Associate**
Main activities and responsibilities	Contribution to the research activities of the Institute for Climate Resilience (ICR), Risk Assessment and Adaptation Strategies Division (RAAS), related to the development and application of multi-hazard risk assessment and management methodologies in the pilot areas of ongoing projects (e.g. MYRIAD-EU, REST-COAST, AGILE). Contribution to the organization of workshops with local stakeholders in pilot areas (e.g. Veneto region, Venice lagoon, metropolitan city of Venice). Contribute to writing scientific publications, project reports and deliverables, and to the supervision of PhD students. - Support writing EU projects and tender proposals.
Name and address of employer	**Euro-Mediterranean Center on Climate Change (CMCC)**

Dates	**01/10/2020 to 30/09/2024**
Occupation or position held	**PhD candidate in Understanding and Managing Extremes**
Main activities and responsibilities	In addition to my PhD research, I collaborated in national and international projects with different roles:

Research Assistant - Agreement Pursuant to Art. 15 Law NO 241/1990 (Italy), as amended, between the **Italian Department of Civil Protection and IUSS Pavia Higher University School for collaborative activities and initiatives under the European Copernicus Earth Observation Program**. **Since 05/2024**. Specific Role: Elaborate a gap analysis of Copernicus Products and Services compared to user requirements of the Department of Civil Protection for identified hazards (hydrometeorological events, volcanos, seismic risk, tsunami).

Research Assistant – SubRisk+ - IUSS - Enhancing our understanding of Subsidence RISK induced by groundwater exploitation towards sustainable urban development. – since 04/2024. funded by European Union – Next Generation EU. Specific Role**:** Research assistant in the WP5 which aims to identify the direct and indirect economic exposure to land subsidence at national, regional and local scale using selected variables.

Leader Trainer - Framework Partnership Agreement for Copernicus Users Uptake (FPCUP) – IUSS in collaboration with ISPRA. Since 09/2022. Dissemination events and training **financed by the European Commission (Copernicus Programme)**. Workshops performed: Panama (October 2022) and Chile (November 2023). Specific role: Thematic Copernicus Emergency Management Service EMS and Land-based info sessions and trainings. More than 100 attendees among both workshops.

Sub Task Leader (WPs 2101, 2102, 2103, 2104)- **OVERSEE Project: Global essential climate variables multisensor mapping for coastal ecosystem services protection – IUSS - since 07/2022**. Identification of ecological and morphological drivers based on Earth 2 Observation multisensor (Sentinel 1 & 2, Landsat, PRISMA) for an integrated coastal vulnerability analysis. **Consortium** with **NASA-Jet Propulsion Laboratory (JPL)**, ISPRA, University of Ferrara and Italian National Research Council. Specific role: I co-lead a team that deals with the technical specification of the coastal vulnerability (exposure) service, specifically in terms of the determination of the state of the art, data specification, operative methods, and system architecture. I also coordinate meetings among the partners, organize field work and deliver documentation.

Research Assistant - **NOCTUA project (Landscape Monitoring. For Everyone. From Space)** - **IUSS - 01/2021 to 01/2023**. Collection, processing, analysis, and distribution of monitoring satellite data designed for the Lombardy region. My role was to create methodologies to estimate flooding footprint and physical and social vulnerability analysis.

Technical Developer - Economic Impacts of Flood Risk in Lombardy and Innovative Risk Mitigation Policy (EFLIP) project - IUSS – 01/2020 to 01/2022. Specific role: My role was related to creating a flooding footprint and physical and social vulnerability analysis.

Teaching Assistant - **Civil Engineering and Architecture Department, University of Pavia (Italy)** **-Hydrogeomorphology** course. 26 hours per year (**03/2022 – 03/2024**). **Total: 56 hours**. Preparation of practical lessons, didactic material, and oral and written examinations.
-GIS and Geomatics course**.** 35 hours per year (**11/2022 – 11/2024**). **Total: 70 hours**. Preparation of practical lessons, didactic material, and oral and written examinations.

Name and address of employer	**University School of Advanced Studies, Pavia, Italy**
Dates	**07/2023 to 07-2024**
Occupation or position held	**Disaster Risk and Remote Sensing Consultant**
Main activities and responsibilities	Project: Climate Change Adaptation - Uruguay River. Comprehensive flood risk analysis in the Uruguay River region, Province of Entre Ríos (Argentina). Estimating flood exposure areas, including social vulnerability plus flood potential due to terrain characteristics. User uptake, methodological transfer for local stakeholders.
Name and address of employer	**United Nations Development Programme (UNDP)**

Dates	**01/2023 to 07/2024**
Occupation or position held	**Geomatics and Disaster Risk Consultant**
Main activities and responsibilities	Developing methodologies for risk assessment of different hazards (floods, wildfires, landslides, droughts, others) using GIS, Remote sensing, and statistical techniques. Developer of a Wildfire Risk Assessment Model (WIRIAM) for southwest counties of the state of California, USA. Coordinate meetings with clients, reports and publications.
Name and address of employer	**AerialZeus, California, USA**
Dates	**04/2022 to 12/2022**
Occupation or position held	**Remote Sensing & GIS Consultant**
Main activities and responsibilities	UAV/drone missions' results analysis over a diversity of services including agriculture, topographical section mapping, commercial and industrial construction site inspection, renewable energy asset inspection, and upstream and midstream petroleum production.
Name and address of employer	**Aerial Imaging Technology Inc., California, USA.**
Dates	**12/2021 to 03/2022**
Occupation or position held	**Disaster Risk Assessment Consultant**
Main activities and responsibilities	Research content on disaster-related statistics based on the Disaster-Related Statistics Framework (DRSF) developed by ESCAP. Review and comment on the online version of an e-learning course.
Name and address of employer	**Economic and Social Commission for Asia and the Pacific (ESCAP) - United Nations**
Dates	**08/2012 to 08/2021**
Occupation or position held	**Assistant Professor**
Main activities and responsibilities	Assistant Professor in Climatology course, Philosophy and Literature School, Geography Department. 30 hours per year (08/2012-08/2021). Total: 300 hours. Preparation of practical lessons, didactic material, and oral and written examinations.
Name and address of employer	**Geography Department, University of Buenos Aires, Argentina.**
Dates	**04/2018 to 09/2020**
Occupation or position held	**Researcher**
Main activities and responsibilities	Research activities including publication of papers, organizing of conferences and events, contributing with projects and services offered by CSIS.
Name and address of employer	**Center for Spatial Information Science (CSIS) - The University of Tokyo, Japan**
Dates	**04/2009 to 03/2018**
Occupation or position held	**GIS and Remote Sensing Consultant**
Main activities and responsibilities	Consulting and research activities related to GIS, remote sensing, cartography, geography and disaster risk reduction. Developer of the Disaster Risk Management Web Portal. Elaboration of Inter-institutional Protocols of the Prevention Phase, being part of the Science-Technology Network for Disaster Risk Management and Climate Change Adaptation organized by the Ministry of Science and Technology. Elaboration of the National Risk Reduction Plan organized by the Ministry of Security (Law 27.287), in collaboration with the National Weather Service. Editor of the journal 'Ojo del Condor'.
Name and address of employer	**National Geographic Institute (NGI), Buenos Aires, Argentina**
Dates	**04/2008 to 03/2009**
Occupation or position held	**Cartography Technician**
Name and address of employer	**Hydrographic Marine Service, Buenos Aires, Argentina**

Education and training

Dates	**10/2020 – 03/2025 (Estimated for thesis defense)**
Title of qualification awarded	**PhD candidate in Understanding and Managing Extremes**
Principal subjects/occupational skills covered	HYRIS Curriculum (Hydrometeorological, Geological, Chemical and Environmental Risk).
Name and type of organisation providing education and training	**University School of Advanced Studies, Pavia, Italy.**

Dates	**03/2024 – 09/2024**
Title of qualification awarded	**Visiting Research Fellow**
Principal subjects/occupational skills covered	DE|RISC Lab: Disaster Engineering for ResIlient SoCieties Laboratory. Supervisors: Prof. Carmine Galasso / Dr. Gemma Cremen Working as an external in the Multi-hazard and Risk-informed System for Enhanced Local and Regional Disaster Risk Management (MEDIATE) project. UCL – IUSS. Funded by the European Commission, HORIZON-CL3-2021-DRS-01-03. Specific role: Working as a research assistant to develop compound vulnerability products for the WP3 called 'Integrating dynamic multi-hazard vulnerability and resilience into formal people-centered and forward-looking risk assessment.'
Name and type of organisation providing education and training	**University College London (UCL)**

Dates	**09/2018 – 09/2020**
Title of qualification awarded	**Master's degree in Environmental Studies**
Principal subjects/occupational skills covered	Member of the Center for Spatial Information Science (CSIS). Thesis title: "Disaster risk assessment for urban areas: A GIS flood risk analysis for Luján City (Argentina)." Final grade: A (outstanding).
Name and type of organisation providing education and training	**Graduate School of Frontier Sciences, The University of Tokyo (Japan).**

Dates	**04/2007 – 05/2015**
Title of qualification awarded	**Bachelor's degree in Physical Geography**
Principal subjects/occupational skills covered	Thesis title: "Precipitation, Wind of Southeast and their relation with Flood Risk. Politics of Risk Management and Adaptation to Climate Change. The case of Belgrano quarter, City of Buenos Aires. Period 1981-2012". Final mark: 10/10 (outstanding).
Name and type of organisation providing education and training	**University of Buenos Aires (UBA), Argentina**

Personal skills and competences

Mother tongue(s)   **Spanish**

Other language(s)

Self-assessment

European level (*)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Italian	C1	C1	C1	C1	C1
French	B2	B2	B1	B1	B1
Japanese	A2	A2	A2	A2	A2

(*) Common European Framework of Reference for Languages

Technical skills and competences	**Applications**
	Desktop Applications: ArcGIS, ArcGIS Pro, QGIS, MapInfo, GvSIG, SagaGIS, WhiteboxTools.
	Web Mapping: ArcGIS Online, Google Maps API, OpenStreetMap.
	Hosting GIS: Geonode, Geoserver, ArcGIS Server.
	Remote Sensing/Image Processing: Google Earth Engine, TerrSet, Envy, Erdas Imagine, SNAP, E-Photo, Adobe Photoshop.
	Flood modeling: HEC-Ras
	Statistical analysis: R, Stata, JASP
	Text and visualization: Office Pack, Open Office, Tableau
	Graphic design: Adobe Illustrator
	Programming Languages: Python (basic)

Domain Expertise

GIS: site selection, constraint mapping, network/route analysis, raster modeling, spatial analysis.

Software Application & Systems Development: embedded, desktop, web, cloud.

Remote Sensing/Image Processing: image correction & rectification, classification, change detection, feature extraction.

Data Analysis: geostatistics, multivariate regression, interpolation methods, cluster analysis, timeseries.

Data Visualization: 2D/3D plots, images, & schematics, map-to-globe, swath profiles, animation.

Data Management: validation, processing & automation, database, metadata.
Modeling & Simulation: 2D unsteady flow analysis, geometric data, flow hydrograph, diffusion wave method.

Driving licence	**Yes**
Academic Service, Knowledge Transfer, and Impact	**Reviewer – American Journal of Climate Change** - Since 09/2024.

Reviewer – MDPI Remote Sensing - Since 06/2024.

Reviewer – Forum Geografi - Since 06/2024.

Reviewer - American Journal of Remote Sensing - Since 01/2024.

Reviewer - Qeios - Since 08/2023.

Reviewer - Nature - Scientific Reports - Since 09/2022

Project Evaluator - Secretariat of Science, Technology and Innovation, National Defense University, Argentina. - 11-12/2023 - Project evaluation on the call 'Science and Technology for Defense 40 years after the return to democracy'' in the thematic area of Climate Change and Natural Disaster Prevention (SDG 13).
Master thesis Jury - Tres de Febrero University, Argentina. - 09/2023 – 04/2024. Jury of the following thesis: 'With or Without alarm? Risk of climate-related disasters in the Province of Buenos Aires at the beginning of the 21st century." Student: Nelson Massachesi.
Master thesis Co-supervisor - **University of Pavia, Italy - 12/2024.** Co-supervisor of the following thesis: "Coastal vulnerability mapping. Ecological aspects using Earth Observation techniques. Oristano study case, Italy." Student: Leila Goliraesi". In progess, to be delivered by 10/2024.
Master thesis Co-supervisor – University of Pavia, Italy - 12/2023. Co-supervisor of the following thesis "Mapping urban and peri-urban areas with integrated remote sensing and GIS techniques to support exposure assessment to climate change-related hazard" Master's degree in Civil Engineering for the Mitigation of Risk from Natural Hazards. Student: Behzad Zakizadeh Ghariehali.
Master thesis Co-supervisor - Autonomous University of Entre Rios, Argentina - since 12/2023. Co-supervisor of the following thesis "Characterization of social vulnerability in flood risk areas in the districts of the Luján River basin." Master's degree in applied Geomatics in Environmental Risk. Student: Cinthia Vargas. In progress.

Awards	**Outstanding Student Presentation Award (OSPA**) granted by the **American Geophysical Union (AGU)** for the presentation "Integrated Ecological, Physical and Social Vulnerability Assessment for Promoting New Constellations of Multisensory Satellites." Awarded for only the most exceptional presentations in **AGU 2023 Meeting**. 11-15/12 **2023**, San Francisco, USA.

ERASMUS+ Call 2023– Grant Agreement for Student Mobility for Studies at the **University College London** – 01/2024 to 09/2024

Scholarship granted by the **Ministry of Education, Culture, Sports, Science and Technology of Japan (MEXT)** to undertake a Master's at the University of Tokyo of Japan for the period April 2018 - September 2020.

Honorary Merit Diploma granted by the Chancellor of the **University of Buenos Aires** due to academic achievements. Date: 2 December **2019**. Place Buenos Aires, Argentina.

Gatti, I. et al. (2013) "Anticipate the Flood", Interdisciplinary Programs about Climate Change (PIUBACC), Social Margination (PIUBAMAS), Sustainable Energies (PIUBAES), Development (PIUBAD) and Transport (PIUBAT), Buenos Aires, Argentina. **Honor mention, (poster)**.

List of Publications

Scientific Publications

Righini, M., Boní, R., Sapio S., **Gatti, I.,** Salvadore, M., Taramelli, A. (**2024**) Development of a proof-of-concept A-DInSAR-based monitoring service for land subsidence, Remote Sensing, 16(11):1981 https://doi.org/10.3390/rs16111981

Righini, M., **Gatti, I**., Taramelli, A., Arosio, M., Valentini, E., Sapio, S., Schiavon, E. (**2024**) Integrated flood impact and vulnerability assessment using Multi-sensor Earth Observation mission with the perspective of an operational service in Lombardy, Italy, Land, 13(2), 140, https://doi.org/10.3390/land13020140

Righini, M., Valentini, E., Sapio, S., Marinelli, C., **Gatti, I.,** Jimenez, M. J., Bresciani M., Giardino C., Pinardi M., Boschetti M., Mangano S., Daraio M. G., Battagliere M. & Taramelli, A. (**2023**). Dynamic Land Cover Mapping Exploiting Hyperspectral Prisma Data. In *IGARSS 2023-2023 IEEE International Geoscience and Remote Sensing Symposium* (pp. 1497-1500). IEEE.

Taramelli, A., Righini, M., Valentini, E., Alfieri, L., **Gatti**, I., and Gabellani, S.: (**2022**) Building-scale flood loss estimation through vulnerability pattern characterization: application to an urban flood in Milan, Italy, Nat. Hazards Earth Syst. Sci., 22, 3543–3569, https://doi.org/10.5194/nhess-22-3543-2022

Gatti, I., Martin, P., Vargas, C. Gasparotto, M., Prario, B., Gentile, E., Patané, L. (**2022**) An assessment of severe storms, their impacts and social vulnerability in coastal areas. A study case of General Pueyrredon, Argentina, In: Mandal, S., Maiti, R., Nones, M., Beckedahl, H.R. (eds) Applied Geomorphology and Contemporary Issues. Geography of the Physical Environment. Springer, Cham. https://doi.org/10.1007/978-3-031-04532-5_29

Gentile, E., Martin, P. y **Gatti**, I. (**2020**). Argentina físico-natural: Clima. ANIDA. Atlas Nacional Interactivo de Argentina. Instituto Geográfico Nacional. https://static.ign.gob.ar/anida/fasciculos/fasc_clima.pdf

Gatti, I.; Robledo, F.; Hurtado, S.; Canneva, J.; Moreira, D.; Re, M.; Briche, E.; Falco, M.; Kazimierski, L.; Micou, P. (**2019**) Anticipating the Flood. Community-based cartography for disaster flood events in Argentina, Proceedings of the International Cartographic Association, The 29th International Cartographic Conference, 15–20 July 2019, Tokyo, Japan, 8p. https://doi.org/10.5194/ica-proc-2-36-2019

Gatti, I. (**2018**) "The New Portal of Disaster Risk Management. A contribution from the National Geographic Institute to the SINAGIR", Ojo del Cóndor Magazine N° 9, National Geographic Institute Buenos Aires, Argentina, pp. 58-59.

Gatti, I., Ackermann, G., & Defeo, G. (**2017**) The use of geoservices in the Science and Technological Web for Disaster Risk Management; in: XII Meeting of Spatial Data Infrastructure of Argentina (IDERA), Catamarca, Argentina, June, 15p.

Robledo, F.; Hurtado S.; Canneva, J.; Moreira, D.; Re, M.; **Gatti**, I.; Briche, E.; Rojo Garcia, F.; Menalled, M.; Chasco, J.; Falco, M.; Lecertua, E.; Kazimierski, L.; Vera, C.; Hernández, V. (**2017**) "Rethinking the Rise: an interdisciplinary approach to floods"; in: Environment and Sustainable Development from a Multidisciplinary Perspective: Complete Works of III National Science and Environmental Congress, August, Argentina, Santa Fe, pp. 736-741.

Gatti, I. (**2017**) Risk Management and Floods in the City of Buenos Aires: Flood Non-Structural Measures Analysis throughout the last decades, Spanish Academy Editor, Germany, 56p.

Gatti, I. (**2016**) "Project Anticipating the Flood. An interdisciplinary approach for Disaster Risk Management", Ojo del Cóndor Magazine N° 7, National Institute of Geography, Buenos Aires, Argentina, pp. 57.

Gatti, I. (**2014**) "Bernardo de Irigoyen. East extreme point of the Argentina Republic", Ojo del Cóndor Magazine N° 5, National Geographic Institute, Buenos Aires, Argentina, pp. 43-45.

Gatti, I. (**2012**) "Characteristics and geographical analysis of Rada Tilly", Ojo del Cóndor Magazine N° 3, National Geographic Institute, Buenos Aires, Argentina, pp. 31-32.

Mereb, J.; **Gatti**, I.; San Cristobal, D. (**2011**) "Academic and professional profile of some contemporary referents of geography and social sciences." in: Territory, places and landscape; Practices and basics concepts in Geography. Ed. of School of Philosophy and Literature, University of Buenos Aires, Argentina.

Mereb, J.; **Gatti**, I.; San Cristobal, D. (**2011**) "An introductory view of uses and applications of GIS in Geography" in: Territory, places and landscape; Practices and basics concepts in Geography. Ed. of School of Philosophy and Literature , University of Buenos Aires, Argentina.

Scientific Conferences (posters)

Taramelli, A., Valentini, E., Righini, M., Giardino, C., Bresciani, M., Nghiem, S., Miller, C., Liburdi, S., Jimenez, M., Sapio, S. & **Gatti**, I. (**2022**) A multi-sensor approach to retrieve terrestrial and aquatic typologies in transitional environment: The wetland forest in Can Gio (Vietnam), XXV Ocean Optics Conference, Quy Nhon, Binh Dinh, Vietnam.

Gatti, I.; Robledo, F.; Hurtado, S.; Canneva, J.; Moreira, D.; Re, M.; Briche, E.; Falco, M.; Kazimierski, L.; Micou, A. P. (**2019**) Anticipating the Flood. Community-based cartography for disaster flood events in Argentina, 29th International Cartographic Conference, National Museum of Emerging Science and Innovation (Miraikan) & Tokyo International Exchange Center TBD, 15th- 20th July.

Gatti, I., & Oguchi, T. (**2019**) Flood risk in Argentina. A local case using GIS, CSIS DAY 2019, The University of Tokyo Kashiwa Campus Station Satellite, 15th & 16th November (Lecture and Poster). Science and Innovation (Miraikan) & Tokyo International Exchange Center TBD, 15th- 20th July.

Gatti, I., & Oguchi, T. (**2018**). Use of digital elevation models in a flood risk map for Luján City, Argentina., Japan Union, 2018 Autumn Meeting Program, 23rd and 24th of November, National Research Institute for Earth Science and Disaster Resilience (NIED), Tsukuba city.

Scientific Conferences (talks)

Gatti, I., Martin, P. Gentile, E., Vargas, C., Prario, B., Gasparotto, M., Patané, L., Salamone, L. (**2024**) Weather-related hazards in Argentina. An approach to evaluate vulnerability in coastal urban areas. The case of Mar del Plata city. 35th International Geographic Congress, 24-30 August, Dublin, Ireland.

Gatti, I., Taramelli, A., Righini, M., Arosio, M., Schiavon, E., Valentini, E., Sapio, S., Marinelli, C., Xuan, A. (**2023**) Integrated Ecological, Physical and Social Vulnerability Assessment for Promoting New Constellations of Multisensory Satellites, AGU 2023 11-15 December, San Francisco, California, USA.

Valentini, E., Righini, M., **Gatti**, I. Marinelli, C., Taramelli, A., Sapio, S., Liburdi, S. Cima, V., Barone, G., & F. Mattei (**2023**) Mappatura della copertura del suolo costiero, Workshop – Oristano (Sardinia), 29 maggio 2023, Italy.

Gatti, I. (**2023**) Examples of Geomatics Tools Applied to Disaster Risk, Webinar for the Argentinian Cartography Center, May 11th 2023, Buenos Aires, Argentina.
https://www.youtube.com/watch?v=kStiFK5DBf0

Righini, M., Valentini, E., Sapio, M., Marinelli, C., **Gatti**, I., Jimenez, M. J., Bresciani, M., Giardino, C., Pinardi, M., Boschetti, M., Mangano, S., Daraio M.G., Battagliere, M.L. & Taramelli A. (**2023**) Dynamic Land Cover Mapping Exploiting Hyperspectral PRISMA Data, IGARSS 16-21 July, Pasadena, California, USA.

Righini M., Valentini E., Sapio S., Marinelli C., **Gatti** I., Jimenez M.J., Piedelobo L., Bresciani M., Claudia G., Pinardi M., Taramelli A. (**2022**) Synergic Application of Synthetic Aperture Radar, Multispectral and Hyperspectral Data, Using a Multi-Temporal Approach for Land Cover Mapping, AGU Fall Meeting 2022, 12-16 /12, Chicago, USA.

Martin, P., **Gatti**, I., Prario, B., Vargas, C., Gentile, E., Quesada, I., Salamone, L., Patané, L. & Gasparotto, M. (**2022**) Coastal Vulnerability in Urban Areas and Storms of High Intensity. The case of Mar del Plata, Province of Buenos Aires, XIII JORNADAS CUYANAS DE GEOGRAFÍA 21, 22 y 23 de setiembre de 2022, Mendoza, Argentina.

Gatti, I., Taramelli, A., Martina, M. Sapio, S. Jimenez, M. J., Arosio, M., Schiavon, E.. Monteleone, B. & Righini, M. (**2022**) ''Flood detection products to support emergency management services in the Lombardy region'', General Assembly 2022 of the European Geosciences Union (EGU), 23-27 May, Vienna, Austria

Robledo, F. A., Moreira, D., Testani, N.; Prudente, C, Dankiewicz, V., Kazimierski, L., Re, M., Micou, P., **Gatti**, I., Belizan, E., Berra, A. (**2022**) The inclusion of communities as a strategy for reducing the risk of flood disasters: Project Anticipating the flood in the Matanza River Basin, eastern Argentina

Gatti. I.: Oguchi, T. (**2020**) How we Determine Flood Risk? A Case in Buenos Aires, Argentina, International Webinar on Innovations in Disaster Risk Reduction, Department of Geography, Diamond Harbour Women's University, IGU Commission on Hazard and Risk, International Geographical Union (IGU), 10-11-September.

Scarano, S.; Robledo, F.; Canneva, J.; **Gatti**, I.; Morale, M.; Diez, A.; Re, M.; Moreira, D.; Vera, C.; Hernandez,V. (**2018**) Covariability of daily rainfall analysis and Areco river water level measurements to determinate inundation ranges, National Meteorology Congress, CONGREMET XIII, 16th to 18th October, Rosario city, Argentina.

Robledo, F.; Hurtado S.; Canneva, J.; Moreira, D.; Re, M.; **Gatti**, I.; Briche, E.; Rojo Garcia, F.; Menalled, M.; Chasco, J.; Falco, M.; Lecertua, E.; Kazimierski, L.; Vera, C.; Hernández, V. (**2017**) Rethinking the Rise: an interdisciplinary approach to floods: in III National Science and Environmental Congress of Argentina, Santa Fe, 31st July-3 August.

Briche, E.; **Gatti**, I. A.; Duville, M. ; Menalled, M. ; Robledo, F.A. ; Moreira, D. ; Re, M.; Falco, M.; Storto, L.; Lecertua, E.; Kazimierski, L.; Saulo, C. (**2015**) « "Anticipate the Flood": How to integrate local knowledge and prevention actions. The Case of La Ribera quarter (Quilmes Department), Laferrere (La Matanza Department) and Nueva Esperanza (Lomas de Zamora Department), Buenos Aires province, Argentina », in: International Seminar of Social Sciences and Catastrophes Risk: an unfinished meeting, Buenos Aires, 15-17 of September, 14p.

Deliverables (research projects)

Righini, M., Valentini, E., **Gatti**, I., Troccoli, A., Taramelli, A. (**2024**). REP16 Vulnerability Map. Deliverable of OVERSEE project, founded by ASI - Bando di Ricerca PrismaScienza DC-UOT-2019-061.

Valentini, E., Marinelli, C., **Gatti**, I., Sapio, S., Liburdi, S., Righini, M., Taramelli, A., (**2024**). DEL 08 - Cover Mapping Report Deliverable of OVERSEE project, founded by ASI - Bando di Ricerca PrismaScienza DC-UOT-2019-061

Valentini, E., Marinelli, C., **Gatti**, I., Sapio, S., Liburdi, S., Righini, M., Taramelli, A. (**2024**). DEL06. Synoptic table with spatial and spectral domains required for target objects and guidelines for sensor selection considering multispectral/PRISMA hyperspectral images synergies. Deliverable of OVERSEE project, founded by ASI - Bando di Ricerca PrismaScienza DC-UOT-2019-061

Taramelli, A., Righini, M., **Gatti**, I., Valentini, E., Rodriguez Ramos, J. (**2023**). REP03- Guideliness and reccomendations for an appropiate and efficent use of existing methods for mapping and analyzing vulnerability and risks of coastals systems, Deliverable of OVERSEE project, founded by ASI - Bando di Ricerca PrismaScienza DC-UOT-2019-061.

Taramelli, A., Righini, M., Valentini, E., Bresciani, M., Ciavola P., Geraldini S., **Gatti**, I., Marinelli, C., Sapio, S., Duo, E., Fabbri, S. (**2023**). DEL02 Technical specification of the coastal vulnerability (exposure) service report. Deliverable of OVERSEE project, founded by ASI - Bando di Ricerca PrismaScienza DC-UOT-2019-061.

Valentini, E., Marinelli, C., **Gatti**, I., Sapio, S., Liburdi, S., Barone, G., Mattei, F., Zakizade, B. Righini, M. & A. Taramelli (**2023**). REP12 – Vegetation Fcover maps at different spatial scales. Deliverable of OVERSEE project, founded by ASI - Bando di Ricerca PrismaScienza DC-UOT-2019-061.

Valentini, E., Marinelli, C., **Gatti**, I., Sapio, S., Liburdi, S., Barone, G., Mattei, F., Zakizade, B., Righini, M. & A. Taramelli (**2023**). REP11 – Calibrated algorithms and datasets. Deliverable of OVERSEE project, founded by ASI - Bando di Ricerca PrismaScienza DC-UOT-2019-061.

Taramelli, A., Righini, M., Besciani, M., Ciavola, P., Armaroli, C., Cabrita, P., Duo, E., Fabbri, S., **Gatti**, I., Mangano, S., Marinelli, C., Pinardi, M. (**2022**). REP02 – Field dataset from the campaign in the Gulf of Oristano (Sardinia, Italy). Deliverable of OVERSEE project, founded by ASI - Bando di Ricerca PrismaScienza DC-UOT-2019-061.

Taramelli, A., Schiavon, E., **Gatti**, I., Jimenez Alvarado, M., Sapio, S., Arosio, M., Righini, M., & M. Martina (**2022**). NOCTUA - Landscape Monitoring. For Everyone. From Space. Land Observation Model (LOM).Pre-operative services for MapLombardy. Deliverable of NOCTUA project, funder the Regional Operative Program (POR) of Lombardy Region 2014–2020, call hub innovation and research (Project ID: 1179775), and by the Italian National Resilience and Recovery Plan (PNRR) M1C2-25—Investment 4.1.2.

Martin, P., **Gatti**, I., Gentile, E., Gasparotto, M., Vargas, C., Praio, B. Intermediate Report of the Project 'Heavy rainfall events triggering risks in Mar del Plata city. Characterization of hydrometeorological hazards and socio-institutional vulnerabilities (2013-2023)' (**2022**) FILO:CyT, University of Buenos Aires, Faculty of Philosophy and Literature. 20p.

Righini, M., Gatti, I., Taramelli, N. (**2021**). D2.2 Final structural vulnerability and impact database completed. Deliverable of EFLIP project, funded by Fondazione CARIPLO (grant no. 2017-0735)