

January 2024

ANNY CAZENAVE - CURRICULUM VITAE

Laboratoire d'Etudes en Géophysique et Océanographie Spatiales (LEGOS)

Centre National d'Etudes Spatiales (CNES)

18 Avenue Edouard Belin, 31401 Toulouse Cedex 9 - France

Tel.: (33)5.61.33.29.22; (33)6.76.47.62.01

Email: anny.cazenave@univ-tlse3.fr; anny.cazenave@gmail.com;

anny.cazenave@academie-sciences.fr

<https://www.academie-sciences.fr/fr/Liste-des-membres-de-l-Academie-des-sciences/-/C/anny-cazenave.html>

EDUCATION

Ph.D Thesis (Doctorat d'Etat, 1975) in Geophysics (Rotation of the Earth), University of Toulouse, France

CURRENT POSITION

Emeritus scientist at LEGOS/CNES, Toulouse, France (since 2010)

PROFESSIONAL EXPERIENCE

Director for Earth Sciences at the *International Space Science Institute* (ISSI), Bern, Switzerland (2013-2021).

Research scientist at LEGOS/CNES; Deputy Director of LEGOS between 1996 and 2007 and head of the group '*Géophysique, Océanographie et Hydrologie Spatiales*' at LEGOS until 2009.

Professor at the Collège de France, Annual Chair '*Développement Durable- Environnement, Energie et Société*' (2012-2013)

RESEARCH INTERESTS

Applications of Space Techniques to Geosciences:

Satellite geodesy: gravity field and marine geoid; Earth rotation and polar motion; tides; precise positioning by space geodesy techniques and applications to tectonic motions, vertical crustal motions, motions of the center of mass of the Earth; temporal changes of the Earth gravity field and global mass redistributions among the surface fluid envelopes of the Earth (oceans, atmosphere, land)

Climate research: sea level variations at global and regional scales (observations from satellite altimetry and tide gauges; study of climatic causes: ocean thermal expansion and salinity effects, land ice melt, land water storage change, projections.); global water cycle and land hydrology from space.

PUBLICATIONS (LISTED IN ANNEX)

260+ articles in peer-reviewed international journals (ISI Web of Sciences, 5 January 2024: 15 920 citations, H_{index} 66).

Editor of 12 books, including : (1) 'Global Change in Africa; role of space observations', Cazenave et al., Edts, Space science series of ISSI, Springer, 2023; (2) 'Probing the Earth's deep interior using in synergy observations of the Earth's gravity and magnetic fields, and of the Earth rotation', Dehant, Manda, Cazenave et al., eds, Space science series of ISSI, Springer, 2023; (3) 'Geohazards and Risks Studied from Earth Observations', Lopez, Cazenave et al., eds, Space science series of ISSI, Springer, 2021; (4) 'Coastal Sea Level and Open Ocean Processes', Cazenave et al. eds, Space science series of ISSI, Springer, 2020; (5) 'Measurement of Forest Properties for Carbon Cycle Research', Cazenave et al. eds, Space science series of ISSI, Springer, 2019; (6) 'Satellite altimetry over oceans and land surfaces', Stammer & Cazenave editors, Earth observation of global changes book series, CRC Press, 2018; (7) 'Integrative study of the global mean sea level and its components' Cazenave et al. editors, Space science series of ISSI, Springer, 2017; (8) 'Remote sensing and Water Resources', Cazenave et al. editors, Space science series of ISSI, Springer, 2016; (9) 'Satellite Altimetry and Earth Sciences. A

handbook of Techniques and Application, Fu & Cazenave editors, Academic Press, International Geophysics Series, Vol. 69, San Diego, USA, 2001’).

Author/co-author of popular books: ‘*Formes et Mouvements de la Terre*’, Belin Editions, Paris, 1994 (with Kurt Feigl); ‘*La Terre vue de l’espace*’, Belin Editions, Paris, 2004 (with D. Massonnet); ‘*La Terre et l’environnement observés depuis l’espace*’, Collège de France/Fayard, 2013.

INTERNATIONAL RESPONSIBILITIES

Current/recent

- Chair of the Earth sciences panel of the ESSC (*European Space Science Committee*) of the European Science Foundation (2020-)
- Member of the “Scientific Advisory Board” of the “Centre for Earth Evolution and Dynamics”, Oslo University (2018-)
- Member of the Scientific Advisory Panel for the National Sea Level Programme, Centre for Climate Research Singapore (2019-)
- Vice chair, ERC (*European Research Council*) Synergy evaluation panel (2021-2022)
- Member of the panel « Assessment of Partnership Options for a Small Satellite System for Collecting Scientific Quality Oceanic and Coastal Data », NRC (*National Research Council, The National Academies, USA*) (2021-2022)
- President, Geodesy Section, AGU (*American Geophysical Union*) (2021-2022)
- Director for Earth sciences at ISSI (*International Space Science Institute*), Bern, Switzerland (2013-2021)
- Member of the Advisory Committee of ‘*Future Earth*’ (2018-2020)
- Member of the evaluation panel ‘Research excellence of NERC’s Research Centres’, NERC (UK) (2020)
- Member of the panel “Geodetic Infrastructure”, NRC (*National Research Council, The National Academies, USA*) (2017-2020)

Previously

- Member (‘Officer’) of the ‘Joint Scientific Committee’ of WCRP (*World Climate Research Programme*) (2013-2018)
- Member of the panel “Strategic NASA Science Missions”, NRC (*National Research Council, The National Academies, USA*) (2016-2017)
- Member of the ‘C. Whitten Medal Committee’, AGU (*American Geophysical Union*) (2014-2018)
- Member of the IPCC (*Intergovernmental Panel on Climate Change*): ‘Lead Author’, ‘Sea Level’ chapter, 5th Assessment Report, Working Group I (2010-2013)
- Member of the IPCC (*Intergovernmental Panel on Climate Change*): ‘Lead Author’, ‘Sea Level’ chapter, 4th Assessment Report, (2004-2007)
- Member of the ‘Earth System Sciences’ panel, (Advanced Grants), ERC (*European Research Council*) (2008-2015)
- Member of the ‘Scientific Advisory Committee’, ‘Centre for Climate Dynamics’, Bergen University, Norway (2011-2013)
- Member of the Scientific Council of ISSI (*International Space Science Institute*) (2010-2013)
- Member of the panel ‘NASA Earth sciences program assessment’, NRC (*National Research Council, The National Academies, USA*) (2011-2012)
- Member of the Steering Committee of GCOS (*Global Climate Observing System*) (2009-2012)
- Member of the ‘Revelle Medal Committee’, AGU (*American Geophysical Union*) (2011-2012)
- Member of the evaluation committee of the Hadley Center/MetOffice, UK (2007-2010)
- Member of the Scientific Council of GGOS (*Global Geodetic Observing System*), International Association of Geodesy (2006-2011)
- Member of the panel ‘Space Geodetic Infrastructures’, NRC (*National Research Council, The National Academies, USA*) (2008-2010)

- ‘Chair’ of the ‘Committee on International Award’, AGU (*American Geophysical Union*) (2007-2010)
- ‘International Secretary’ of the AGU (*American Geophysical Union*) (2002-2006)
- ‘Chair’ of the ‘Committee on International Participation’, AGU (*American Geophysical Union*) (2002-2006)
- Member of the panel ‘Water Resources and the Global Hydrological Cycle’; ‘Earth Science and Applications from Space’, ‘Decadal Survey’, NRC (*National Research Council, The National Academies, USA*) (2005-2007)
- Member of the Steering Committee ‘Understanding Sea Level Rise and Variability’, WCRP (World Climate Research Program) (2005-2006)
- Member of the ‘Climate Change’ panel, AGU (*American Geophysical Union*) (2003)
- Member of the ‘Solid Earth Committee’, NRC (*National Research Council, The National Academies, USA*) (2004-2005)
- ‘Chair’ of the ‘Geodesy Section’ of the EGS (*European Geophysical Society*) (2000-2004)
- Member of the ‘Whitten Medal Committee’, AGU (*American Geophysical Union*) (2000-2002)
- Member of the European Space Science Committee, ESF (*European Science Foundation*) (1997-2000)
- Member of the ‘Union Fellow Committee’, AGU (*American Geophysical Union*) (1997-1999)
- Chair of the ‘Earth gravity field’ Working Group, IAG (*International Association of Geodesy*) (1995-1999)
- Member of the ‘Macelwane Award Committee’, AGU (*American Geophysical Union*) (1992-1994 ; 1994-1996)
- Member of the Space Research committee, ESF (*European Science Foundation*) (1986-1989)
- Member of the SSWG (*Solar System Working Group*), European Space Agency (1979-1982)

NATIONAL RESPONSABILITIES

Recent only

- Member of the ‘Haut Conseil des Tres Grandes Infrastructures de Recherche –HC TGIR- of the French Ministry of Research (2020-2022).
- Member of the ‘Comite d’Orientation Scientifique’ of the Toulouse 3 University (2020-2022)
- Expert, Institut des Hautes Etudes de Défense Nationale (2020)
- Member of the ‘Comité d’Orientation Stratégique’, IRD (*Institut de Recherche pour le Développement*) (2016-2020)
- Member of the Advisory Committee of Météo-France (2015-2019)
- Member of the ‘Conseil Supérieur des Programmes’ (Ministry of Education) (2013-2016)
- Chair of the scientific committee (COMSI) of Météo-France (2012-2015)
- Member of the Scientific Committee of the ‘Ecole Supérieure d’Agriculture de Purpan’ (2012-2016)
- Member of the Advisory Committee of CNRS (Centre National de la Recherche Scientifique) (2008-2015)
- Member of the Scientific Committee of the ‘Ecole Polytechnique’ (2014-2016)
- Chair of the Scientific Committee of the ‘Agence de l’Eau Adour-Garonne’ (2010-2013)
- Member of the Scientific Committee of the ‘Institut Océanographique de Monaco’ (2009-2012)
- Member of the Scientific Committee of the ‘Chaires Blaise Pascal’, Ile de France region (2006-2009)
- Member of the Strategic Committee of the French Fleet (Ministry of Research) (2009-2010)
- Member of the Scientific Committee of the ‘Office Parlementaire d’Evaluation des Choix Scientifiques et Technologiques (OPECST) de l’Assemblée Nationale et du Sénat’ (2002-2010)
- Member of the ‘High Council’, Observatoire de Paris (2006-2010)
- Chair of the search committee for the direction of the ‘Institut de Physique du Globe de Paris’ (2009)

- Member of the Scientific Committee of the ‘Institut de Physique du Globe de Paris’ (2004-2009)
- Member of the Scientific Committee of the City of Paris (2003-2008)
- Member of the committee on ‘Gouvernance’ of the French Academy of sciences (2008)
- Member of the ‘Visiting Committee’, ‘Institut de Physique du Globe de Paris’ (2008)
- Member of the evaluation committee (senior members) of the ‘Institut Universitaire de France’ (2005-2006)
- Member of the ‘Comité National d’Evaluation de la Recherche (CNER)’ (1999-2005)
- Member of the ‘Conseil National de la Science (CNS)’, Ministry of Research (1997-2002)
- Member « Comité de Coordination des Sciences de la Terre et de l’Environnement (CCSPE) », Ministry of Research (1997-2003)
- Chair of the « Action Concertée Incitative (ACI) Observation de la Terre », Ministry of Research (2001-2002)
- Member of the committee ‘Terre-Atmosphère-Océan-Biosphère’ of CNES (1993-2003)
- Member of the scientific committee of the Institut National des Sciences de l’Univers (INSU) (1996-2000)
- Member of the ‘Comité de Perfectionnement de l’Institut Océanographique de Monaco’ (1995-2001)
- Co-chair of the ‘Comité National Français de Géodésie et de Géophysique (CNFGG)’ (1994-1998)
- Member of the ‘Comité National du CNRS, section 21’ (1983-1987)
- Member of the ‘Comité National du CNRS, section 13’ (1992-1995)
- Member of the Earth Science Committee of the ‘Bureau de Recherches Géologiques et Minières (BRGM)’ (1994-1997)
- Member of the ‘Comité de Programme de l’INSU (Institut National des Sciences de l’Univers) : Imagerie et Structure de la Terre’ (1988-1992)
- Member of the ‘Tectoscope-Positionnement’ committee of INSU (Institut National des Sciences de l’Univers) (1991-1995)
- Member of the ‘Pôle Espace du Conseil Régional de Midi-Pyrénées’ (1988-1992)
- Chair of the Scientific Council of the ‘Groupe de Recherche de Geodesie Spatiale’ (GRGS) (1986-1992)

SUPERVISER OF 28 PHD THESES

S. Daillet (1984), P. Pinet (1985), S. Calmant (1987), P. Gaudon (1988), J.C. Marty (1989), M. Monnereau (1990), J.J. Valette (1992), C. Thoraval (1994), P. Calcagno (1995), L. Soudarin (1995), P. Gegout (1995), R. Abarca del Rio (1997), P. Lecroart (1997), G. Ramillien (1998), F. Bouille (2000), F. Mercier (2001), S. Mangiarrotti (2003), C. Cabanes (2003), I. de Oliveira Campos (2004), T. Ngo-Duc (2005), A. Lombard (2005), F. Frappart (2006), V. Enjolras (2007), W. Llovel (2010), L. Xavier (2012), B. Meyssignac (2012), H. Palanisamy (2016), H.B. Dieng (2017).

PRINCIPAL OR CO-INVESTIGATOR OF NATIONAL/INTERNATIONAL PROJECTS & SPACE MISSIONS

Current

- P.I. (with M. Manda and V. Dehant) of the GRACEFUL project selected by ERC (*European Research Council*) in the context of the ERC SYNERGY program (2020-2024)
- Science Leader of the ‘Sea Level’ project, ‘Climate Change Initiative’, European Space Agency (ESA); Phase 3 (CCI+) (2019-2024)
- Co-investigator of the ESA CCI project “Regional sea level budget closure” (2023-2026)

Previously

- Co-Investigator of the space mission ‘Jason-3’ for ‘Sea level and climate’ (2016-2020)

- Science Leader of the ‘Sea Level’ project, ‘Climate Change Initiative’, European Space Agency (ESA); Phase 1 &2 (2011-2019)
- Partner of the ESA project ‘Sea Level Budget Closure’ (2017-2019)
- Coordinator of the national project ‘Téledétection et ressources en eau’ du RTRA ‘STAE’ (Réseau Thématique de Recherches Avancées’ ‘Sciences et Technologies pour l’Aéronautique et de l’Espace’) (2013-2014)
- Scientific coordinator of the project ‘CECILE’ (Changements Environnementaux côtiers : Impacts de l’élévation du niveau de la mer), Agence Nationale de la Recherche (ANR) (6 partners) (2010-2013)
- Scientific partner of the European project ‘MONARCH’ (Arctic climate change), FP7 (2010-2013)
- Coordinator of the national project CYMENT (Cycle de l’eau et de la matière dans les bassins versants ; de l’observation spatiale à la modélisation en hydrologie), RTRA ‘STAE’ (Réseau Thématique de Recherches Avancées’ ‘Sciences et Technologies pour l’Aéronautique et de l’Espace’) (8 partners) (2008-2011)
- Co-Investigator of the space mission EUMETSAT/CNES/NASA ‘Jason-2/Ocean Surface Topography’ for ‘Sea level and climate’ (2008-2012)
- Co-Investigator of the European project EUROCORES/Topo-Europe, ESF (European Science Foundation) for ‘Sea level change in the Mediterranean Sea area’ (2008-2010)
- Principal Investigator of the space missions Topex-Poseidon and Jason-1 (CNES/NASA) for ‘Sea Level’ (1992-2008)
- Principal Investigator of the space missions ERS-1/2 et ENVISAT (ESA) for ‘Marine geoid, marine geophysics and hydrology from space’ (1991-2010)
- Co-investigator of the national project CASH (Contribution de l’Altimétrie Spatiale à l’Hydrologie) du ‘Réseau Terre Espace’, Ministry of Research (2001-2004)
- Co-Investigator of the European project ‘SELF’ for ‘Sea level in the Mediterranean Sea’ (1998-2000)
- Principal Investigator of the Lageos 2 mission for ‘Geodesy and crustal deformations’ (years 1990s)
- Principal Investigator of the French project DORIS for ‘Precise positioning’ (years 1990s)
- Principal Investigator of the NASA Solid Earth programme for ‘Global Earth deformations’ (years 1990s)
- Co-investigator of the space missions Geos-3 et Seasat for ‘Marine geoid and marine geophysics’ (1975-1978)
- Principal Investigator of the space mission STARLETTE (1975)

EDITORIAL RESPONSABILITIES

- Member Editor of PNAS (Proceedings of the National Academy of Sciences, USA) (on going)
- Member of the Editorial Board of « Scientific Data », Nature Publishing Group (on going)
- Guest editor of Surveys of Geophysics (on going)
- Editor of EOS (AGU) (2008-2012)
- Guest Editor of the Encyclopedia of Solid Earth Geophysics (Springer) (2010, 2020)
- Guest Editor of Comptes Rendus Géosciences (2008- 2010)
- Editor-in-Chief of Earth and Planetary Science Letters (1997- 2003)
- Member of the editorial board of Journal of Geodynamics (1994-1997)
- Member of the editorial board of PAGEOPH (1989-1994)

ORGANIZATION OF INTERNATIONAL WORKSHOPS (SELECTION; LAST TWO DECADES)

- International workshop ‘Global Change in Africa: role of space observations’, ISSI (Bern, Switzerland, January 2021)
- International workshop ‘Probing the Earth’s deep interior using in synergy observations of the Earth’s gravity and magnetic fields, and of the Earth’s rotation’, ISSI (Bern, Switzerland, September 2020)
- International workshop ‘Natural and man-made hazards monitoring by Earth Observation missions: current status and scientific gaps’, ISSI (Bern, Switzerland, April 2019)
- International workshop ‘Understanding the relationship between coastal sea level and large-scale ocean circulation’, ISSI (Bern, Switzerland, March 2018)
- International Forum ‘Monitoring of coastal zones from space’, ISSI (Bern, Switzerland, October 2016)
- International workshop ‘Integrative study of sea level and components’, ISSI (Bern, Switzerland, February 2015)
- International workshop ‘Remote sensing and water resources’, ISSI (Bern, Switzerland, October 2014)
- International workshop ‘Coastal impacts of climate change and sea level rise’, Collège de France (Paris, June, 2013)
- Co-convenor of the session ‘Ocean dynamics and sea level’ du WCRP workshop ‘Climate Research in Service to Society’ (Denver, October 2011)
- Member of the Steering Committee of the IPCC workshop ‘Sea level rise and ice sheet instabilities’ (Kuala-Lumpur, June 2010)
- Convenor of several sessions at the AGU Fall Meetings and EGU General Assemblies
- First international workshop on ‘Hydrology from Space’ (Toulouse, 2003)

PRIZES AND AWARDS

- Leonardo Da Vinci Prize, European Academy of Sciences (EURASC) (2022)
- WIA (Women In Aerospace)-Europe Outstanding Achievement Award (2022)
- Vetlesen Prize, Columbia University (2020)
- BBVA Foundation, Frontiers of Knowledge Award (Climate Change Category) (2019)
- Fellow, IUGG (*International Union of Geophysics and Geodesy*) (2019)
- Grand Prix des Amis de la Cité de l’Espace (2018)
- Nansen Polar Bear Award of the *Norwegian Nansen Center* (2016)
- Georges Lemaître Prize, Université Catholique de Louvain (2015)
- Fellow, American Association for the Advancement of Science’ (AAAS) (2012)
- ‘Bowie Medal’, American Geophysical Union (AGU) (2012)
- Prize ‘Emile Girardeau’, Académie de Marine (2010)
- Prize ‘Manley Bendall, Medal Albert 1^{er} de Monaco’, Institut Océanographique (2008)
- ‘Arthur Holmes’ Medal, European Geosciences Union (2006)
- ‘Vening Meinesz’ Medal, European Geophysical Society (1999)
- ‘Fellow’, American Geophysical Union (AGU) (1996)
- Prize Kodak-Pathé-Landucci, French Academy of sciences (1996)
- Prize Doisteau-Blutet, French Academy of sciences (1990)
- Bronze Medal, CNRS (1980)
- Prize Doisteau-Blutet, French Academy of sciences (1979)

CIVIL AWARDS

- Commandeur, Légion d’Honneur (2018)
- Grand Officier, Ordre National du Mérite (2015)
- Commandeur, Ordre National du Mérite (2007)

- Officier, Légion d'Honneur (2010)
- Chevalier, Légion d'Honneur (2000)
- Officier, Ordre National du Mérite (1997)
- Chevalier, Ordre National du Mérite (1981)

ACADEMIES

- Member, French Academy of Sciences, since 2004
- Member of the European Academy of Sciences (EURASC), since 2022
- Foreign member, Royal Society, UK, since 2021
- Foreign member, National Academy of Sciences (NAS), USA, since 2008
- Foreign member, Royal Academy of Belgium, since 2014
- Foreign member, Indian National Sciences Academy (INSA), New Delhi, since 2012
- Foreign member, National Academy of Sciences of India, Allahabad, since 2008
- Member, Academia Europaea, since 1990
- Member, Académie Européenne de l'Air et de l'Espace, since 1986.
- Member, Bureau des Longitudes, since 2014

INTERNATIONAL INVITED LECTURES (LAST DECADE)

2023: Lecture on adaptation of France to sea level rise, Accademia dei Lincei, Roma; Lecture on climate change, Cayenne university, French Guiana; Lecture on sea level, Lamont & Columbia university, New York; Keynote on present-day sea level rise, the role of space, COSPAR symposium, Singapore; Space observations for sustainability, IUGG Symposium, Berlin;

2022: Lecture on satellite altimetry, Africa workshop, Bern; Keynote lecture on satellite altimetry at the International Astronautical Congress, Paris; lecture on Observing the Earth from space, European Academy of Sciences, Brussels;

2021: 'Satellite altimetry and sea level change', online lecture, Shanghai summer school; 'Climate change: the role of space observations', online lecture, Aligarh Muslim University Centenary (India);

2020: 'Climate change and sea level rise', Plenary lecture, Dutch Earth Sciences Congress, Utrecht, March 2020; "Sea level change from global to local, role of observations", invited talk, OSTST, Oct. 'Coastal sea level rise from satellite altimetry', invited lecture, Bern University, Nov. 2020; 'The Earth, a planet like no other' (<https://youtu.be/jUWzIIR-O60>), ISSI, Nov. 2020; 'Sea level rise observed from space at global, regional and local scales', CSIR-NGRI Diamond Jubilee 1st lecture, Nov. 2020; 'Sentinel-6 and sea level rise', invited talk, European Space Week, European Commission, Dec. 2020;

2019: University College (London, UK); ESA Atlantic Workshop (Southampton, UK); Asian School of Environment (University of Singapore); Welsh Lecture, University of Toronto (Toronto); University of Bristol (UK); Delft University (The Netherlands); Union lecture, UGGI (Montreal, Canada), ProISSI lecture, University of Bern (Switzerland);

2018: University of Oslo (Norway); University of Liege (Belgium); Shanghai Astronomical Observatory (Shanghai), ESA Summer School (Frascati);

2017: Royal Academy of sciences (Belgium); Academy of sciences of Morocco; University of Zurich; University of Hamburg;

2016: ESA Living Planet Symposium (Prague); CLIVAR open science conference (Qingdao, China); International conference on 'Coastal dynamics and ecosystem change: Caribbean' (Bonaire Island); Academy of sciences of Morocco (Rabat); Environmental Research Center (Bergen)

2015 : ETH (Zurich) ; European Climate Research Alliance (Brussels); UNESCO (Our common future under climate change, Paris); French Embassy (Miami); Royal Academy of sciences (Stockholm)

2014 : Institut Français de Tunis (Tunis); Royal Académie of sciences (Stockholm); Royal Academy of sciences (Brussels); Shanghai Astronomical Observatory (Shanghai) ; GIFT/EGU (Vienna)

2013 : Institut Français de Madrid (Madrid) ; ETH (Zurich) ; Symposium COSPAR (Bangkok)

ANNY CAZENAVE - PUBLICATIONS (5 January 2024)

260+ 'peer-reviewed' articles; 15 924 citations; $H_{\text{index}} = 66$ (ISI Web of Sciences)*Italics: PhD students and post-docs under A. Cazenave supervision*

1. PUBLICATIONS IN INTERNATIONAL JOURNALS

1. Cazenave A., Pfeffer J., Manda M. and Dehant V., ESD Ideas: A 6-year oscillation in the whole Earth system? *Earth System Dynamics*, 14, 733–735, <https://doi.org/10.5194/esd-14-733-2023>, 2023.
2. Pfeffer, J., Cazenave, A., Rosat, S., Moreira, L., Manda, M. and Dehant, V., A 6-Year Cycle in the Earth System, *Global and Planetary Change*, 229, 104245, <http://doi.org/10.1016/j.gloplacha.2023.104245>, 2023.
3. Meyssignac B. et al., including Cazenave A., How accurate is accurate enough for measuring sea level rise and variability, *Nature Climate Change*, 13, 796–803, <https://doi.org/10.1038/s41558-023-01735-z>, 2023.
4. Le Cozannet G. and A. Cazenave, Adaptation to sea level rise in France, Topical Collection of the Accademia dei Lincei " The Mediterranean System: a hotspot for climate change and adaptation", in press, *Rendiconti Lincei, Scienze Fisiche e Naturali*, 2023.
5. Pfeffer J., Cazenave A., Blazquez A., Decharme B., Munier S. and Barnoud A. Assessment of pluri-annual and decadal changes in terrestrial water storage predicted by global hydrological models in comparison with the GRACE satellite gravity mission, *Hydrology and Earth System Sciences*, 27, 3743–3768, <https://doi.org/10.5194/hess-27-3743-2023>, 2023.
6. Barnoud, A., Pfeffer, J., Cazenave, A., Fraudeau, R., Rousseau, V., & Ablain, M., Revisiting the global mean ocean mass budget over 2005–2020. *Ocean Science*, 19, 321–334, <https://doi.org/10.5194/os-19-321-2023>, 2023.
7. Chen J., Wilson C., Seo K.W., Cazenave A., Wang S. and Li J., Caspian Sea level change from satellite altimetry and GRACE and GRACE Follow-On gravity measurements, *Remote Sensing*, 15, 3, 703, <https://doi.org/10.3390/rs15030703>, 2023.
8. Cazenave A. and Moreira L., Contemporary sea level changes from global to local scales: a review, *Proc. Royal Society*, 478, 20220049, <https://doi.org/10.1098/rspa.2022.0049>, 2022.
9. Cazenave A. and the Climate Change Initiative Coastal Sea Level Team, Sea level along the world's coastlines can be measured by a network of virtual altimetry stations, *Nature Communications, Earth & Environment*, 3, 117, <https://doi.org/10.1038/s43247-022-00448-z2022>, 2022.
10. Chen J., Cazenave A., Dahle C., Llovel W., Panet I., Pfeffer J. and Moreira L., Applications and Challenges of GRACE and GRACE Follow-On Satellite Gravimetry, *Surveys in Geophysics*, <https://doi.org/10.1007/s10712-021-09685-x>, 2022.
11. Han W. et al., including A. Cazenave, Sea level extremes and compounding marine heatwaves in coastal Indonesia, *Nature Communications*, 6410, <https://doi.org/10.1038/s41467-022-34003-3>, 2022.
12. Hegglin M. I. et al., including Cazenave A., Space-based Earth observations in support of the UNFCCC Paris Agreement, *Frontiers in Environmental Science*, 10, <https://doi.org/10.3389/fenvs.2022.941490>, 2022.
13. Horwath M., Gutknecht B., Cazenave A., et al., Global sea level budget and ocean mass budget, with focus on advanced data products and uncertainty characterization. *Earth*

- System Science Data*, 14, 411–447, 2022 <https://doi.org/10.5194/essd-14-411-2022>, 2022.
14. Barnoud A. et al., including Cazenave A., Contributions of altimetry and Argo to non-closure of the global mean sea level budget since 2016, published online 26 June 2021, *Geophys. Res. Lett.*, <https://doi.org/10.1029/2021GL092824>, 2021.
 15. Moreira, L., Cazenave, A., Barnoud, A. and Chen, J.. Sea-level fingerprints due to present-day water mass redistribution in observed sea-level data. *Remote Sens.*, 13, 4667. <https://doi.org/10.3390/rs13224667>, 2021.
 16. Moreira L., Cazenave A., Palanisamy H., Influence of interannual variability in estimating the rate and acceleration of the global mean sea level, published online 10 Feb. 2021, *Global and Planetary Change*, 199, <https://doi.org/10.1016/j.gloplacha.2021.103450>, 2021.
 17. Dieng H.B., Cazenave A., Gouzenes Y. and Sow, A., Trends and inter-annual variability of coastal sea level in the Mediterranean Sea: Validation of high-resolution altimetry using tide gauges and models, published online 15 Oct 2021, 68, Issue 8, 3093-3520, *Advances in Space Research*, 2021.
 18. Bongarts et al., including Cazenave A., Designing Coastal Adaptation Strategies to Tackle Sea Level Rise, *Frontiers in Marine Sciences*, published online 03 Nov 2021, <https://doi.org/10.3389/fmars.2021.740602>, 2021.
 19. Pfeffer J., Cazenave A. and Barnoud A., Analysis of the interannual variability in satellite gravity solutions: impact of climate modes on water mass displacements across continents and oceans, published online 14 Sept 2021, *Climate Dynamics*, <https://doi.org/10.1007/s00382-021-05953-z>, 2021.
 20. The International Altimetry Team, including Cazenave A., Altimetry for the future: Building on 25 years of progress, *Advances in Space Research*, [Volume 68, Issue 2](https://doi.org/10.1016/j.asr.2021.01.022), 15 July 2021, Pages 319-363, <https://doi.org/10.1016/j.asr.2021.01.022>, 2021.
 21. Birol F., F. Léger, M. Passaro, A. Cazenave, F. Niño, F. Callafat, A. Shaw, J.-F. Legeais, Y. Gouzenes, C. Schwatke and J. Benveniste. The X-TRACK/ALES multi-mission processing system: new advances in altimetry towards the coast. *Advances in Space Research*, Volume 67, Issue 8, 15 April 2021, Pages 2398-2415, <https://doi.org/10.1016/j.asr.2021.01.049>, 2021.
 22. Manda M., Dehant V. and Cazenave A., GRACE – gravity data for understanding the deep Earth’s interior, *Remote Sensing*, 12(24), 4186, <https://doi.org/10.3390/rs12244186>, 2020.
 23. Benveniste J. et al., including Cazenave A., Coastal sea level anomalies and associated trends 2 from Jason satellite altimetry over 2002-2018, *Nature Scientific Data*, 7, 357, <https://doi.org/10.1038/s41597-020-00694-w>, 2020.
 24. Trewin B., Cazenave A., Howell S., Huss M., Isensee K., Palmer M.D., Tarasova O., and Alex Vermeulen A., Headline indicators for global climate monitoring, *Bulletin of the American Meteorological Society*, 1–49, <https://doi.org/10.1175/BAMS-D-19-0196.1>, 2020.
 25. Chen J., Tapley B., Wilson C., Cazenave A., Sea K.W. and Kim J.S., Global ocean mass change from GRACE 1 and GRACE Follow-On, and altimeter and Argo measurements, *Geophys. Res. Lett.*, <https://doi.org/10.1029/2020GL090656>, published online, 3 November 2020.
 26. Gouzenes Y, Leger F. Cazenave A., Birol F., Almar R., Bonnefond P., Passaro M., Legeais J.F. and Benveniste J., Coastal sea level change at Senetosa (Corsica) during the Jason altimetry missions, 16, 1–18, 2020 <https://doi.org/10.5194/os-16-1-2020>, *Ocean Sciences*, 2020.

27. Cazenave A., Meehl G., Montoya M., Toggweiler J.R., Claudia Wieners C., Climate Change and Impacts on Variability and Interactions, in ‘Interacting Climates of Ocean Basins; Observations, Mechanisms, Predictability, and Impacts’, Carlos R. Mechoso Editor, Cambridge University Press, 358 pages, ISBN: 9781108492706, published November 2020.
28. Claudet G. et al., including A. Cazenave, A Roadmap for Using the UN Decade of Ocean Science for Sustainable Development in Support of Science, Policy, and Action, *One Earth*, 2, 3-9, <https://doi.org/10.1016/j.oneear.2019.10.012>, 2019.
29. Ablain et al., including Cazenave A., Uncertainty in satellite estimates of global mean sea-level changes, trend and acceleration, *Earth Syst. Sci. Data*, 11, 1189–1202, <https://doi.org/10.5194/essd-11-1189-2019>, 2019.
30. *Marti F.*, Cazenave A., Birol F., Passaro, M. Leger F., Nino F., Almar R., Benveniste J. and Legeais J.F., Altimetry-based sea level trends along the coasts of western Africa, *Advances in Space Research*, published online 24 May 2019, <https://doi.org/10.1016/j.asr.2019.05.033>, 2019.
31. Cazenave A., Hamlington B., Horwath M., Barletta V., Benveniste J., Chambers D., Döll P., Hogg A., Legeais J.F., Merrifield M., Meyssignac B., Mitchum G., Nerem S., Pail R., Palanisamy H., Paul F., von Schuckmann K., P. Thompson P., Observational requirements for long-term monitoring of the global mean sea level and its components, *Frontiers in Marine Science*, 6, :582, doi: 10.3389/fmars.2019.00582, 2019.
32. Benveniste J., Cazenave A., Vignudelli S., Fenoglio-Marc L., Shah R., Almar R., Andersen O., Birol F., Bonnefond P., Bouffard J., Calafat F., Cardellach E., Cipollini P., Dufau C., Fernandes J., , Garrison J., Frappart F., Gommenginger C., Han G., Hoyer J. L., Kourafalou V., Le Cozannet G., Leuliette E., Li Z., Loisel H., Madsen K. S., Marcos M., Melet A., Meyssignac B., Pasqual A., Passaro M., Ribo S., Scharroo R., Song T., Speich S., Wilkin J, Woodworth P., Wöppelmann G., Requirements for a Coastal Hazard Observing System, *OceanObs’19 Community White Paper*, *Frontiers in Marine Science*, 6, 348, 2019, DOI: 10.3389/fmars.2019.00348, 2019.
33. Meyssignac, B., Boyer, T., Zhao, Z., Hakuba, M. Z., Landerer, F. W., Stammer, D., Köhl, A. Kato, S., L’Ecuyer, T., Ablain, M., Abraham, J.P., Blazquez, A., Cazenave, A., Church, J.A., Cowley, R. Cheng, L., Domingues, C.M., Giglio, D., Gouretski, V., Ishii, M., Johnson, G.C., Killick, R.E., Legler, D., Llovel, W., Lyman, J., Palmer, M.D., Piotrowicz, S., Purkey, S.G., Roemmich, D., Roca, R., Savita, A., Schuckmann, K. von, Speich, S. Stephens, G., Wang, G., Wijffels, S.E., Zilberman, N., Measuring Global Ocean Heat Content to estimate the Earth Energy Imbalance. *Frontiers in Marine Science*, 6, 432, 2019, DOI: 10.3389/fmars.2019.00432, 2019.
34. Ponte R., Carson M., Cirano M., Domingues C., Jevrejeva S., Marcos M., Mitchum G., Van de Wal R. S. W., Woodworth P. L., Ablain M., Arduin F., Ballu V., Becker M., Benveniste J., Birol F., Bradshaw E., Cazenave A., Demey-Fremaux P., Durand F., Ezer T., Fu L. L., Fukumori I., Gordon K., Gravelle M., Griffies S. M., Han W., Hibbert A., Hughes C. W., Idier D., Kourafalou V. H., Little C. M., Matthews A., Melet A., Merrifield M., Meyssignac B., Minobe S., Penduff T., Picot N., Picuch C., Ray R. D., Richards L., Santamaria- Gómez A., Stammer D., Staneva J., Testut L., Thompson K., Thompson P., Vignudelli S., Williams J., Williams S. D. P., Wöppelmann G., Zanna L., Zhang X.: Towards comprehensive observing and modeling systems for monitoring and predicting regional to coastal sea level, *OceanObs’19 Community White Paper*, *Frontiers in Marine Science*, 6, 437, 2019, DOI: 10.3389/fmars.2019.00437, 2019.

35. Cazenave A., Palanisamy H. and Ablain M., Contemporary sea level changes from satellite altimetry: What have we learned? What are the new challenges? *Advances in Space Research*, <https://doi.org/10.1016/j.asr.2018.07.017>, published online 27 July 2018, 2018.
36. Cazenave A. and the WCRP Global Sea Level Budget Group, Global sea level budget, 1993-present, *Earth System Science Data*, 10, 1551-1590, <https://doi.org/10.5194/essd-10-1551-2018>, 2018.
37. Xu X.Y., Birol F. and Cazenave A., Evaluation of Coastal Sea Level of Jason-2 Altimetry Offshore Hong Kong, , *Remote Sensing*, 10, 282, doi:10.3390/rs10020282, 2018.
38. Legeais J.F., Ablain M., Zawadzki L., Zuo H., Johannessen J.A., Scharffenberg M.G., Fenoglio-Marc L., Fernandes J., Andersen O.B., Rudenko S., Cipollini P., Quartly G.D., Passaro M., Cazenave A., Benveniste J., An improved and homogeneous altimeter sea level record from the ESA Climate Change Initiative, *Earth Syst. Sci. Data*, 10, 281-301, <https://doi.org/10.5194/essd-10-281-2018>, 2018.
39. Blazquez A., Meyssignac B., Lemoine J.M., Berthier E., Ribes A. and Cazenave A., Exploring the uncertainty in GRACE estimates of the mass redistributions at the Earth's surface. Implications for the global water and sea level budgets, *Geophysical Journal International*, 215(1), 415-430, 2018.
40. Cazenave A. and Palanisamy H., Sea level and Future Earth, in "Global Change and Future Earth", Cambridge University Press, The Geoscience perspective, T. Beer et al. eds, Cambridge University Press, doi: 10.1017/9781316761489, 2018, 2018.
41. Quartly G.D., Legeais J.F., Ablain M., Zawadzki L., Fernandes J., Rudenko S., Carrère L., García P.N., Cipollini P., Andersen O.B., Poisson J.C., Sabrina Mbajon Njiche S.M., Cazenave A. and Benveniste J., A new phase in the production of quality-controlled sea level data, *Earth Syst. Sci. Data*, 9, 557–572, doi.org/10.5194/essd-9-557-2017, 2017.
42. Cazenave A., Le Cozannet G., Benveniste J., Woodworth P. and Champollion N., Monitoring the change of coastal zones from space, *EOS*, 98, <https://doi.org/10.1029/2017EO085581>. Published 2 November 2017.
43. Nerem R., Cazenave A., Church J., No chaos in the satellite-data record, *Nature*, 549, 7672, 334, 2017.
44. Dieng H., Cazenave A., Meyssignac B. and Ablain M., New estimate of the current rate of sea level rise from a sea level budget approach, *Geophys. Res. Lett.*, 44, doi:10.1002/2017GL073308, 2017.
45. Dieng H., Cazenave A., Meyssignac B., von Schuckmann K. and Palanisamy H., Sea and land surface temperatures, ocean heat content Earth's energy imbalance and net radiative forcing, *International Journal of Climatology*, DOI: 10.1002/joc.4996, 2017.
46. Nerem S., Ablain M., Cazenave A., Church J. and Leuliette E., A 25-year long satellite altimetry-based global mean sea level record: Closure of the sea level budget & missing components, CRC book on "Applications of satellite altimetry over oceans and land surfaces", Stammer & Cazenave eds., CRC Press, Taylor & Francis, ISBN 978-1-4987-4345-7, 2017.
47. Chambers D., Cazenave A., Champollion N., H. Dieng, W. Llovel, R. Forsberg, K. von Schuckmann and Y. Wada, Evaluation of the global mean sea level budget between 1993 and 2015, *Surveys in Geophysics*, 38, 309-327, DOI 10.1007/s10712-016-9381-3, 2017.
48. Carret A., Johannessen J., Andersen O., Ablain M., Prandi P., Blazquez A. and Cazenave A., Arctic sea level during the altimetry era, *Surveys in Geophysics*, 38, 251-277, DOI 10.1007/s10712-016-9390-2, 2017.

49. Ablain M., Legeais J.F., Prandi P., Fenoglio-Marc L., Marcos M., Benveniste J. and Cazenave A., Altimetry-based sea level at global and regional scales, *Surveys in Geophysics*, 38, 7-31, DOI 10.1007/s10712-016-9389-8, 2017.
50. von Schuckmann K., Palmer M.D., Trenberth K.E., Cazenave A., D. Chambers, Champollion N. et al., Earth's energy imbalance: an imperative for monitoring, *Nature Climate Change*, 26, 138-144, 2016.
51. Lopez T., Antoine R., Kerr Y., Darrozes J., Rabinowicz M., Ramillien G., Cazenave A., Genthon P., Subsurface hydrology in the Lake Chad basin from space-based and hydrogeological data, *Surveys in Geophysics*, doi:10.1007/s10712-016-9363-5, 2016.
52. Famiglietti J., Cazenave A., A. Eicker, J. T. Reager, M. Rodell and I. Velicogna, Satellites Provide the 'Big Picture' for Global Hydrology, *Science*, vol 349, issue 6249, 684-685, 2015.
53. Dieng H., Champollion N., Cazenave A., Wada Y., Schrama E. and Meyssignac B., Total land water storage change over 2003-2013 estimated from a global mass budget approach, *Environmental Research Letters*, 10, 124010, doi:10.1088/1748-9326/10/12/124010, 2015.
54. Le Cozannet G., Rohmer J., Cazenave A., et al., Evaluating uncertainties of future marine flooding occurrence as sea level rises, *Environmental Modelling*, 73, 44-56, 2015.
55. Dieng H., Cazenave A., von Shuckmann K., Ablain M. and Meyssignac B., Sea level budget over 2005-2013: missing contributions and data errors, *Ocean Science*, 11, 1-14, doi:10.5194/osd-11-1-2015.
56. Palanisamy H., Meyssignac B., Cazenave A., Delcroix T., Is the anthropogenic sea level fingerprint already detectable in the Pacific Ocean? *Environmental Research Letters*, 10, 124010, doi:10.1088/1748-9326/10/12/124010, 2015.
57. Dieng H., Palanisamy H., Cazenave A., Meyssignac B. and von Schuckmann K., The sea level budget since 2003: inference on the deep ocean heat content, *Surveys in Geophysics*, 36, 1, doi:10.1007/s10712-015-9314-6, 2015.
58. Ablain M., Cazenave A., et al., Improved sea level record over the satellite altimetry era (1993-2010) from the Climate Change Initiative Project, *Ocean Sciences*, 11, 2029-2071, doi:10.5194/osd-11-2029-2014, 2015.
59. Cazenave A., Sea level rise, *Oxford Bibliographies*, 2015.
60. Palanisamy H., Cazenave A., Delcroix T. and Meyssignac B., Spatial trend patterns in Pacific Ocean sea level during the altimetry era : the contribution of thermocline depth change and internal climate variability, *Ocean Dynamics*, Doi:10.1007/s10236-014-0805-7, 2015.
61. Palanisamy H., Cazenave A., Henry O., Prandi P., and Meyssignac B., Sea level variations measured by the new altimetry mission SARAL-AIka and its validation based on spatial patterns and temporal curves using Jason-2, steric sea level, ocean mass and tide gauge data, *Marine Geodesy*, 238, 339-353, doi:10.1080/01490419.2014.1000469, 2015.
62. Cazenave A., Dieng H., Meyssignac B., von Schuckmann K., Decharme B. and Berthier E., The rate of sea level rise, *Nature Climate Change*, vol 4, 358-361, doi:10.1038/NCLIMATE2159, 2014.
63. Cazenave A. Anthropogenic global warming threatens world cultural heritage, *Environ. Res. Lett.*, 9, doi:10.1088/1748-9326/9/5/051001, 2014.
64. Cazenave A. and Le Cozannet G., Sea level rise and coastal impacts, *Earth's Future*, vol2, issue2, 15-34, doi :10.1002/2013EF000188, 2014.
65. Chevalier L. , B. Laignel, N. Massei, S. Munier, M. Becker, I. Turki, A. Coynel and A., Cazenave, Hydrological variability of major French rivers over recent decades, assessed

- from gauging station and GRACE observations, *Hydrological Sciences Journal*, 59:10, 1844-1855, doi:10.1080/02626667.2013.866708, 2014.
66. Church, J. A., P. U. Clark, A. Cazenave, J. M. Gregory, S. Jevrejeva, A. Levermann, M. A. Merrifield, G. A. Milne, R. S. Nerem, P. D. Nunn, A. J. Payne, W. T. Pfeffer, D. Stammer and A. S. Unnikrishnan, 2013: Sea Level Change. In: *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Stocker, T. F., D. Qin, G.-K. Plattner, M. Tignor, S. K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P. M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 2014.
 67. Palanisamy H., Cazenave A., Meyssignac B., Woppelmann G. and Soudarin L., Regional sea level variability, total relative sea level rise and its impacts on islands and coastal zones of Indian Ocean over the last sixty years, *Global Planetary Change*, 116, 54-67, 2014.
 68. Dieng H., Cazenave A., Messignac B., Henry O., von Schuckmann K. and Lemoine J.M., Effect of La Niña on the global mean sea level and north Pacific ocean mass over 2005-2011, *J. Geodetic Sciences*, 4, 19-27, 2014.
 69. Henry O., Ablain M., Meyssignac B., Cazenave A., Masters D., Nerem S., Leuliette E. and Garric G., Investigating and reducing differences between the satellite altimetry-based global mean sea level time series provided by different processing groups, *J. of Geodesy*, 88:351–361, doi: 10.1007/s00190-013-0687-3, 2014.
 70. Stammer D., Cazenave A., Ponte R. and Tamisiea M., Contemporary regional sea level changes, *Annual Review Marine Sciences*, 5, 21–46, 2013.
 71. Church J. Clark P., Cazenave A. et al, Sea level rise by 2100, *Science*, Vol. 342 Issue 6165, p1445-1445, 2013.
 72. Le Cozannet G., Garcin M., Petitjean L., Cazenave A., Becker M., Meyssignac B., Walker P., Devilliers C., Lebrun O., Lecacheux S., Baills A., Bulteau T., Yates M., Wöppelmann G., Exploring the relation between sea level rise and shoreline erosion using reconstructions: an example in French Polynesia, *J. Coastal Research*, 65, doi: 10.2112/SI65-361.1 2013.
 73. Woppelmann G., Le Cozannet G., de Michele M., Raucoules D., Cazenave A., Garcin M., Hanson S, Marcos M. and Santamaría-Gómez A. Is land subsidence increasing the exposure to sea level rise in Alexandria, Egypt? *Geophys. Res. Lett.*, vol 40, 1–5, doi:10.1002/grl.50568, 2013.
 74. Meyssignac B., Lemoine J.M., Cheng M., Cazenave A., Gegout P. and Maisongrande P., Interannual variations in degree-two Earth's gravity coefficients C_{2,0}, C_{2,2} and S_{2,2} reveal large-scale mass transfers of climatic origin, *Geophys. Res. Lett.*, 40, 1-6, doi:10.1002/grl.50772, 2013.
 75. Peng D., Palanisamy H., Cazenave A. and Meyssignac B., Sea level change and variability in the South China Sea over 1950-2009, *Marine Geodesy*, 36:2,164-182, doi: 10.1080/01490419.2013.771595, 2013.
 76. Hollmann R. et al. (including Cazenave), The ESA Climate Change Initiative: satellite data records for essential climate variables *Bull. American Meteor. Soc.*, doi: 10.1175/BAMS-D-11-00254., online publication March 2013.
 77. Cazenave A., O. Henry, S. Munier, B. Meyssignac, T. Delcroix, W. Llovel, H. Palanisamy and M. Becker, ENSO influence on the global mean sea level over 1993-2010, *Marine Geodesy*, 35(S1), 82–97, 2012.
 78. Rahmstorf S., Foster G. and Cazenave A., Comparing climate projections to observations : an update; *Environmental Res. Lett.*, 7, 044035, doi:10.1088/1748-9326/7/4/044035, 2012.

79. Prandi P., Ablain M. Cazenave A. and Picot N., Sea level variability in the Arctic Ocean observed by satellite altimetry, *Ocean Science Discussions*, 9 (4), 2375–2401, doi:10.5194/osd-9-2375-2012. *Ocean Sciences*, 2012.
80. Munier S., Palanisamy H., Maisongrande P., Cazenave A. and Wood E., Global runoff over 1993-2009 estimated from coupled Land-Ocean-Atmosphere water budgets and its relation with climate, *Hydrol. Earth Sys. Sci.*, 16, 3647-3658, doi:10.5194/hess-16-3647-2012, 2012.
81. Henry O., P. Prandi, W. Llovel, A. Cazenave, S. Jevrejeva, D. Stammer, B. Meyssignac, N. Koldunov, Sea level variations since 1950 along the coasts of the Arctic Ocean, 117, C06023, doi:10.1029/2011JC007706, *J. Geophys. Res.*, 2012.
82. Meyssignac B. and Cazenave A., Sea level : a review of present-day and recent-past sea level change and variability, *J. Geodyn.*, 58, 96-109, 2012.
83. Meyssignac B., Salas-Melia D, Becker M, Llovel W. and Cazenave A., Spatial trend patterns in observed sea level: internal variability and/or anthropogenic signature ? *Climate of the Past*, 8, 787-802, doi:10.5194/cp-8-787-2012, 2012.
84. Meyssignac B., Becker M., Llovel W., Cazenave A. An assessment of two-dimensional past sea level reconstructions over 1950 -2009 based on tide gauge data and different input sea level grids, *Surveys in Geophysics*, doi:10.1007/s10712-011-9171-x, 2012.
85. Prandi P. Ablain M., Cazenave A. and Picot N., A new estimation of mean sea level in the Arctic Ocean from satellite altimetry, 35(S1), 61-81, *Marine Geodesy*, 2012.
86. Becker M., Meyssignac B., Llovel W., Cazenave A. and Delcroix T., Sea level variations at Tropical Pacific Islands during 1950-2009. *Global and Planetary Change*, 80/81, 85-98, 2012.
87. Palanisamy H., Becker M., Meyssignac B. and Cazenave A., Regional Sea Level Change and Variability in the Caribbean Sea since 1950, *Int. J. Geosci.*, 2(2), 125-133, doi:10.2478/v10156-011-0029-4, 2012.
88. Cazenave A. and Remy F., Sea level and Climate: observation and causes of changes, *Wiley Interdisciplinary Reviews : Climate Change*, vol.2, 647-662, 2011.
89. Llovel W., Meyssignac B. and Cazenave A., Steric sea level variations over 2004-2010 as a function of region and depth; Inference on the ocean mass component in the North Atlantic, *Geophys. Res. Lett.*, 38, L15608, doi:10.1029/2011GL047411, 2011.
90. Cretaux J.F. et al., including Cazenave A., SOLS: a lake data base to monitor in near real time water level and storage variations from remote sensing data, *Advances Space Research*, 47, 9, 1497-1507, 2011.
91. Biancamaria S., Cazenave A., Mognard N., Llovel W. and Frappart F., Satellite-based high latitudes snow volume trend, variability and contribution to sea level over 1989/2006, *Global and Planet. Change*, 75, 99-107, doi:10.1016/j.gloplacha2010.10.011, 2011.
92. Becker M., Meyssignac B., Xavier L., Cazenave A., Alkama R. and Decharme B., Past terrestrial water storage (1980-2008) in the Amazon Basin reconstructed from GRACE and in situ river gauging data, *Hydrol. Earth Syst. Sci.*, 15, 533-546, doi:10.5194/hess-15-533, 2011.
93. Llovel W., Becker M., Cazenave A., Jevrejeva S., Alkama R., Decharme B., Douville H., Ablain M. and Beckley B., Terrestrial waters and sea level variations on interannual time scale, *Global Planet. Change*, 75, 76-82, doi:10.1016/j.gloplacha2010.10.008, 2011.
94. Meyssignac B., Calafat F., Somot S., Rupolo V., Stocchi P., Llovel W. and Cazenave A., Two-dimensional reconstruction of the Mediterranean sea level over 1970 - 2006 from tide gauge data and regional ocean circulation model outputs, *Global Planet. Change*, doi:10.1016/j.gloplacha.2011.03.002, Published on line, 2011.

95. Nicholls R. and Cazenave A., Sea level change and the impacts in coastal zones, *Science*, 328, 1517-1520, 2010.
96. Cazenave A. and Chen J., Time-variable gravity from space and present-day mass redistribution in the Earth system, *Earth Planet. Sci. Lett.*, 298, 263-274, 2010.
97. Cazenave A. and W. Llovel, Contemporary sea level rise, *Annual Rev. of Marine Sciences*, 2, 145-173, 2010.
98. Llovel W., Guinehut S. and Cazenave A., Regional variability in sea level over 2002 – 2009 based on satellite altimetry, Argo float data and GRACE ocean mass, *Ocean Dynamics*, 60, 1193-1204, doi:10.1007/s10236-010-0324-0, 2010.
99. Milly P.C.D., Cazenave A., Famiglietti J., Gornitz V., Laval K., Lettenmaier D., Sahagian D., Wahr J. and Wilson C. Terrestrial water storage contributions to sea level rise and variability, Proceedings of the WCRP workshop ‘Understanding sea level rise and variability’, eds. J. Church, P. Woodworth, T. Aarup and S. Wilson et al., Blackwell Publishing, Inc., 2010.
100. Roemmich D., J. Willis, J. Gilson, D. Stammer, A. Koehl, T. Yemenis, D. P. Chambers, F. Landerer, J. Marotzke, T. Suzuki, J. Church, A. Cazenave and P. Y Letraon, Global Ocean Warming and Sea Level Rise Proceedings of the WCRP workshop ‘Understanding sea level rise and variability’, eds. J. Church, P. Woodworth, T. Aarup and S. Wilson et al., Blackwell Publishing, Inc., in press, 2010.
101. Alkama R., Decharme B., Douville H., Becker M., Cazenave A., Sheffield J., Voldoire A., Tyteca S., Le Moigne P., Global evaluation of the ISBA-TRIP continental hydrologic system; Part 1 : a two-fold constraint using GRACE terrestrial water storage estimates and in situ river discharges *J. Hydrometeorology*, 11, 583-600, 2010.
102. Decharme B., Alkama R., Douville H., Becker M., Cazenave A., Sheffield J., Voldoire A., Tyteca S., Le Moigne P., Global evaluation of the ISBA-TRIP continental hydrologic system using GRACE; Part 2 : results, *J. Hydrometeorology*, 11, 601- 617, 2010.
103. Cazenave A., Chambers D., Cippolini P., Fu L.L., Hurrell J., Merrifield M., Nerem S., Plag H.P., Shum C.K. and Willis J., Sea level change : global and regional trends, plenary paper, Proceedings of the OCEANOBS09 workshop, ESA publication, 2010.
104. Llovel W., M. Becker, Cazenave A. and Crétaux J.F., Contribution of land water storage change to global mean sea level from GRACE and satellite altimetry, *C.R. Geosciences*, 342, 179-188, 2010.
105. Xavier L., Becker M., A. Cazenave, Longuevergne L., Llovel W. and O. Rotuno, Interannual variability in water storage over 2003-2008 in the Amazon Basin from GRACE space gravimetry, in situ river level and precipitation data, *Remote Sensing of Environment*, 114, 1629-1637, 2010.
106. Becker M., Cazenave A., Llovel W., and A. Guentner, Recent hydrological behaviour of the East African lakes region from GRACE and satellite altimetry, *C.R. Geosciences*, 342, 223-233, 2010.
107. Prandi P., Cazenave A. and Becker M., Is coastal mean sea level rising faster than the global mean? A comparison between tide gauges and satellite altimetry over 1993-2007, *Geophys. Res. Lett.*, 36, doi:10.1029/2008GL036564, 2009.
108. Cazenave A., Guinehut S., Ramillien G., Llovel W., DoMinh K., Ablain M., Larnicol G. and Lombard A., Sea level budget over 2003-2008; a reevaluation from satellite altimetry, GRACE and Argo data, *Global and Planetary Change*, doi:10.1016/j.gloplacha.2008.10.004, 2009.
109. Ablain M., Cazenave A., DoMinh K., Guinehut S., Llovel W., Lombard A. and Valladeau G., A new assessment of global mean sea level from altimeters highlights a reduction of global slope from 2005 to 2008 in agreement with in-situ measurements, *Ocean Sciences*, 5, 193-201, 2009.

110. Llovel W., Cazenave A., Berge-Nguyen M. and Rogel P., Past sea level reconstruction (1950-2000) using the OPA/NEMO global ocean circulation model, tide gauge and satellite altimetry data, *Climate of the Past*, 5, 1-11, 2009.
111. Ramillien G., Bouhours S., Lombard A., Cazenave A., Flechtner F. and Schmidt R., Land water contributions from GRACE to sea level rise over 2002-2006, *Global and Planetary Change*, 60, 381-392, 2008.
112. Berge-Nguyen M., Cazenave A., Lombard A., Llovel W. and Cretaux J.F., Reconstruction of past decades sea level using tide gauge, altimetry and in situ hydrographic data, *Global and Planetary Change*, 62, 1-13, 2008.
113. Cazenave A., A. Lombard and W. Llovel., Present-day sea level rise: a synthesis, *C.R. Geosciences*, doi:10.1016/j-crte-2008.07.008, 2008.
114. Nerem R.S., A. Cazenave, D.P. Chambers, L.L. Fu, E.W. Leuliette and G.T. Mitchum, Comment on 'Estimating future sea level change from past records' by Nils-Axel Morner, *Global and Planetary Change*, 55, 358-360, 2007.
115. Garcia D., A. Lombard, G. Ramillien and A. Cazenave, Steric sea level variations inferred from combined Topex/Poseidon altimetry and GRACE gravimetry, *PAGEOPH*, 164, 721-731, doi:10.1007/s00024-007-0182y., 2007.
116. Ngo-Duc T., Laval. K., Polcher J., Ramillien G. and A. Cazenave, Validation of the land water storage simulated by Organising Carbon and Hydrology in Dynamic Ecosystems (ORCHIDEE) with Gravity Recovery and Climate Experiment (GRACE) data, *Water Res. Res.*, 43, W04427, doi:10.1029/2006WR004941, 2007.
117. Lombard A., Garcia D., Cazenave A. and Ramillien G., Fletchner, R. Biancale and M. Ishii, Estimation of steric sea level variations from combined GRACE and satellite altimetry data, *Earth Planet. Sci. Lett.*, 254, 194-202, 2007.
118. Alsdorf, D., L.L. Fu, N. Mognard, A. Cazenave, E. Rodriguez, D. Chelton and D. Lettemaier, Measuring global oceans and terrestrial fresh water from space, *EOS, Transactions, AGU*, v88, n24, p253, 2007.
119. Bindoff N., Willebrand J., Artale V. , Cazenave A., Gregory J. , Gulev S., Hanawa K., Le Quéré C., Levitus S., Nojiri Y., Shum C.K., Talley L., Unnikrishnan A., Observations: oceanic climate and sea level. In: *Climate change 2007: The physical Science Basis. Contribution of Working Group I to the Fourth Assessment report of the Intergovernmental Panel on Climate Change* [Solomon S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, UK, and New York, USA., pp 385-428, 2007.
120. Rahmstorf S., Cazenave A., Church J.A., Hansen J., Keeling R., Parker D. and Somerville R., Recent climate observations compared to projections, *Science*, vol 316, 709, 10.1126/science.1136843, 2007.
121. Zakharova E., A. Kouraev and A. Cazenave, Amazon river discharge estimated from the Topex/Poseidon altimetry, *C.R. Geosciences*, 338, 188-196, 2006.
122. Schmidt R., Flechtner F., Reigber Ch., Schwintzer P., Gunter A., Doll P., Ramillien G., Cazenave A., Petrovic S., Jochman H. and Wunsch J., GRACE observations of changes in continental water storage, *Global and Planetary Change*, Vol 50/1-2, 112-126, doi:10.1016/j.gloplacha.2004.11.018, 2006.
123. Enjolras V., P. Vincent, J.C. Souyris, E. Rodriguez and A. Cazenave, Performances study of interferometric radar altimeter : from the instrument to the global definition mission, *Sensors*, 6 (3), 164-192, 2006.
124. Lombard A., A. Cazenave , C. Cabanes, S. Guinehut and P.Y. Le Traon, Perspectives on present-day sea level change, *Ocean Dynamics*, 56, 445-451, doi:10.1007/s10236-005-0046-x, 2006.

125. Ramillien G., Frappart F., Guntner A., Ngo-Duc T. and Cazenave A., Mapping time variations of evapotranspiration rate from GRACE satellite gravimetry, *Water Resources Research*, 42, W10403, doi:10.1029/2005WR004331, 2006.
126. Frappart F., Dominh K., Lhermitte J., Ramillien G., Cazenave A. and LeToan T., Water volume change in the lower MEKONG basin from satellite altimetry and other remote sensing data, *Geophys. J. Int.*, 167, 570-584, 2006.
127. Ramillien G., Lombard A., Cazenave A., E. Ivins, M. Llubes, F. Remy and R. Biancale, Interannual variations of ice sheets mass balance from GRACE and sea level, *Global and Planetary Change*, 53, 198-208, 2006.
128. Nerem S., Leuliette E. and Cazenave A., Present-day sea level change, *C.R. Geosciences*, 338, issue 14-15, 1077-1083, 2006.
129. Cazenave A. and Boucher C., Observing the Earth from space, *C.R. Geosciences*, 338, issue 14-15, 943-948, 2006.
130. Cazenave A., How fast are the ice sheets melting?, *Science*, 314, 1250-1252, 2006.
131. Tiwari V.M., Cabanes C., DoMinh K. and Cazenave A., Sea level in the Indian ocean from Topex/Poseidon altimetry and tide gauges, pp 150-168, *Oceanology*, H.K. Gupta editor, University Press, Hyderabad, 2005.
132. Kouraev A.V., Papa F., Mognard N.M., Buharizin P.I., Cazenave A., Crétaux J-F., Dozortseva J., Remy F., Synergy of active and passive satellite microwave data for the study of first-year sea ice in the Caspian and Aral seas. *IEEE Transactions on Geoscience and Remote Sensing (TGARS)*, 2005.
133. Crétaux J-F., Kouraev A.V., Bergé-Nguyen M., Cazenave A., Papa F., Satellite altimetry for monitoring lake level changes, in 'Transboundary Water Resources: Strategies for Regional Security and Ecological Stability', H. Vogtman and Dobretsov (eds), NATO Sciences Series, Springer, 141-146, 2005.
134. Crétaux J-F., Kouraev A.V., Papa F., Bergé Nguyen M., Cazenave A., Aladin N.V., and Plotnikov I.S., water balance of the Big Aral sea from satellite remote sensing and in situ observations, *Journal of Great Lakes Research*, 31, 520-534, 2005.
135. Lombard A., Cazenave A., Le Traon P.Y. and Ishii M., Contribution of thermal expansion to present-day sea level rise revisited, *Global and Planetary Change*, 47, 1-16, 2005.
136. Lombard A., Cazenave A., Dominh K., Cabanes C. and R.S. Nerem, 20th century sea level rise: new estimates of thermal and water mass contributions, *Global and Planetary Change*, 48, 303-312, 2005.
137. Ngo-Duc T., Laval K., Polcher Y and Cazenave A., Analyses of the contribution of continental water to sea level variations during the 1997-1998 ENSO event; Comparison between the AMIP simulations and the Topex/Poseidon satellite data., *J. Geophys. Res.*, Vol.110, DO9103, doi:10.1029/2004JD004940, 2005.
138. Evans D., Alpers W., Cazenave A., Elachi A., Farr T., Glackin D., Holt B., Jones L., Liu W.T., McCandless W., Menard Y., Moore R. and Njoku E., Seasat- A 25-year legacy of success, *Remote Sensing of Environment*, 94, 384-404, 2005.
139. Frappart F., F. Seyler, J.M. Martinez, J. Leon and A. Cazenave, Determination of the water volume in the Negro River sub basin by combination of satellite and in situ data, *Remote Sensing of Environment*, 99, 387-399, 2005.
140. Cazenave A., Volcanoes and sea level, *Nature*, 438,7064, 35-36, 2005.
141. Frappart F., Calmant S., Cauhopé M., Seyler F. and Cazenave A., Validation of ENVISAT RA-2 derived water levels over the Amazon basin, *Remote Sensing of Environment*, 100, 252-264, 2006.

142. Frappart F., G. Ramillien, S. Biancamaria, N. Mognard-Campbell and A. Cazenave, Evolution of high-latitude snow mass derived from the GRACE gravimetry mission (2002-2004), *Geophys. Res. Lett.*, 33, L02501, doi:10.1029/2005GL024778, 2006.
143. Ngo-Duc T., Laval K., Polcher Y., Lombard A. and Cazenave A., Effects of land water storage on the global mean sea level over the last half century, *Geophys. Res. Lett.*, Vol.32, L09704, doi:10.1019/2005GL022719, 2005.
144. Ramillien G., Frappart F., Cazenave A. and Guentner A., Change in land water storage from 2 years of GRACE satellite data, *Earth and Planetary Science Letters*, 235, 283-301, 2005.
145. Aladin N.V., Crétaux J-F., Plotnikov I.S., Kouraev A.V., Smurov A.O., Cazenave A., Egorov A.N., Papa F., Modern hydro-biological state of the Small Aral Sea, in press, *Environmetric*, 2005.
146. Kouraev A.V., Papa F., Mognard N.M., Buharizin P.I., Cazenave A., Crétaux J-F., Dozortseva J., Remy F., Sea ice cover in the Caspian and Aral seas from historical and satellite data, *Journal of Marine System*, 47, 89-100, 2004.
147. Cazenave A., Milly, P.C.D., Douville H., Beneveniste J., Lettenmaier D. and Kosuth P., International workshop examines the role of space techniques to measure spatio-temporal change in terrestrial waters, *EOS, AGU Trans.*, vol 85, number 6, 10 February 2004.
148. Kouraev A., Sakharova E. A., Samain O., Mognard-Campbell N. and Cazenave A., Ob' river discharge from Topex/Poseidon satellite altimetry, *Remote Sensing of Environment*, 93, 238-245, 2004.
149. Ramillien G, A. Cazenave, O. Brunau, Global time variations of hydrological signals from GRACE satellite gravimetry, *Geophys. J. Int.*, 158,813-826, 2004.
150. Tiwari V., Cabanes C, Dominh K and Cazenave A., Correlation of interannual sea level variations in the Indian ocean from Topex/Poseidon altimetry, temperature data and tide gauges with ENSO, *Global and Planetary Change*, 43, 183-196, 2004.
151. Cazenave A and R S Nerem, Present-Day sea level change : observations and causes, *Review of Geophysics*, 42, RG3001, doi : 8755-1209/04/2003RG000139, 2004.
152. Cazenave A., Gennero M.C. and DoMinh K., Present-day sea level rise: from satellite and in situ observations to physical causes, in *Satellite Altimetry for geodesy, geophysics and oceanography*, International Association of Geodesy Symposia, vol. 126, F. Sanso Ed., Springer-Verlag, Berlin, pp.23-33, 2004.
153. Maheu C., Cazenave A. and Mechoso R., Water level fluctuations in the La Plata basin (South America) from Topex/Poseidon altimetry, *Geophys. Res. Lett.*, 30, 3, 2003.
154. Cazenave A., Cabanes C., Dominh K. Gennero M.C. and Le Provost C., Present-day sea level change, in *Earth gravity field from space from sensors to Earth Sciences*, G. Beutler, R. Rummel, M.R. Drinkwater and R. von Steiger, Eds., Space Sciences Series, 108,131-144, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2003.
155. Kouraev A., Papa F., Buharizin.P, Cazenave A., Cretaux, J.F., Dozortseva J. and Remy F., Ice cover variability in the Caspian and Aral seas from active and passive microwave data, *Polar Research.*, 22 (1), 43-50, 2003.
156. Milly P.C.D., A. Cazenave and M.C. Gennero, Contribution of climate-driven change in continental water storage to recent sea level rise, *PNAS Proceedings National Academy Science*, Vol 100, n° 23, 13158-13161, 2003.
157. Mercier F., Cazenave A. and C Maheu, Interannual lake level fluctuations in Africa from Topex-Poseidon : connections with ocean-atmosphere interactions over the Indian ocean, *Global and Planet. Change*, 32, 141-163, 2002.

158. *Calmant S.*, Berge-Nguyen M. and Cazenave A., Global seafloor topography from a least-squares inversion of altimetry-based high-resolution mean sea surface and sparse shipboard soundings, *Geophys. J. Int.*, 151, 795-808, 2002.
159. Cazenave A., Bonnefond P., Dominh K. and Mercier F., Sea level changes in the Mediterranean and Black seas from satellite altimetry, *Global and Planet. Change*, 34, 59-86, 2002.
160. Cazenave A. and S.T. Nerem, Redistributing Earth's mass, *Science*, 297, 783-784, 2002.
161. Cretaux J.F., Soudarin L., Davidson F., Gennero M.C., Berge-Nguyen M. and Cazenave A., Seasonal and interannual geocenter motion from SLR and DORIS measurements: Comparison with surface loading data, *J. Geophys. Res.*, 107, B12, 2374, Doi:10.1029/2002JB001820, 2002.
162. Cazenave A. and Royer J.Y., Application of satellite altimetry to marine geophysics, in 'Satellite altimetry and Earth Sciences ; A handbook of techniques and applications', Ed. L.L. Fu and A. Cazenave, Academic Press, San Diego, USA, 2001.
163. *Mangiarotti S.*, Cazenave A., Soudarin L. and Cretaux J.F., Annual vertical crustal motions predicted from surface mass redistribution and observed by space geodesy, *J. Geophys. Res.*, 106, 4277-4291, 2001.
164. *Cabanes C.*, Cazenave A. and Le Provost C., Sea level changes from Topex-Poseidon Altimetry for 1993-1999, and warming of the southern oceans, *Geophys. Res. Lett.*, 28, 9-12, 2001a.
165. Cazenave A., *Cabanes C.*, Dominh K. and Mangiarotti S., Recent sea level change in the Mediterranean sea revealed by satellite altimetry, *Geophys. Res. Lett.*, 28, 1607-1610, 2001.
166. *Oliveira Campos I.*, Mercier F., C. Maheu, Cochonneau G., Kosuth P., Blitzkow D. and Cazenave A. and Kosuth P., Temporal variations of river basin waters from Topex-Poseidon satellite altimetry. Application to the Amazon basin, *Comptes Rendus de l'Académie des Sciences*, Serie II, Sciences de la Terre et des planètes, 333, 1-11, 2001.
167. *Cabanes C.*, Cazenave A. and Le Provost C., Sea level rise during past 40 years determined from satellite and in situ observations, *Science*, 294, 840-842, 2001.
168. *Bouille F.*, Cazenave A., Lemoine J.M. and Cretaux J.F., Geocenter motion measured from The DORIS space system and laser data to the Lageos satellites, and predicted from climatic data, *Geophys. J. Int.*, 143, 71-82, 2000.
169. Cazenave A., The study of the solid Earth and its fluid envelopes by space geodesy techniques, *Comptes Rendus Acad. Sciences*, Tome 1, Série IV, 1267-1282, 2000.
170. Cazenave A., Remy F., Dominh K. and Douville H., Global ocean mass variation, continental hydrology and the mass balance of the Antarctica ice sheet at the seasonal time scale, *Geophys. Res. Lett.*, 27, 3755-3758, 2000.
171. Raper S., Cazenave A., Dawson A.G., Frezzotti M., Long A.J., Reeh N., Tooley M., de Wolde J. and Woodworth P., Global changes in the volume and mass of the ocean, in Sea level change and coastal processes : Implications for Europe, Edited by. Smith et al., Proceedings of the European Commission, Eur 19337, 2000.
172. Minster J.F., Cazenave A., Serafini Y.V., Mercier F., Gennero M.C. and Rogel P., Annual cycle in mean sea level from Topex-Poseidon and ERS-1: Inferences on the global hydrological cycle, *Global and Planetary Change*, 20, 57-66, 1999.
173. *Soudarin L.*, Cretaux J.F. and Cazenave A., Vertical crustal motions from the DORIS space geodesy system, *Geophys. Res. Lett.*, 26, 1207-1210, 1999.
174. Cazenave A., Dominh K., *Soudarin L.*, Ponchaut F., Cretaux J.F. and Le Provost C., Sea level changes from Topex-Poseidon altimetry and tide gauges, and vertical crustal motions from DORIS, *Geophys. Res. Lett.*, 26, 2077-2080, 1999.

175. Cazenave A., Mercier F., Bouille F., and Lemoine J.M., Global-scale interactions between the solid Earth and its fluid envelopes at the seasonal time scale, *Earth Planet Sci. Lett.*, 171, 549-559, 1999.
176. Cazenave A., Present-Day Variations of the Mean Sea Level, *Comptes Rendus Acad. Sci*, Earth Planetary Sciences, 329, 457-469, 1999.
177. Ponchaut F. And Cazenave A., Continental lake level variations from Topex/poseidon (1993-1996), *Comptes Rendus Acad. Sciences*, Sciences Terre et Planet. 326, 13-20, 1998.
178. Cretaux J.F., Soudarin L., Cazenave A. and Bouille F., Present-day tectonic plate motions and crustal deformations from the DORIS space system, *J. Geophys. Res.*, 103, 30167-30181, 1998.
179. Cazenave A., Dominh K., Gennero M.C. and Ferret B., Global mean sea level changes observed by Topex-Poseidon and ERS-1, *Physics and Chem. Earth*, 23, 1069-1075, 1998.
180. Lecroart P., Cazenave A., Thoraval C. and Ricard Y., Along-Axis dynamic topography constrained by major-element chemistry, *Earth Planet. Sci. Lett.*, 149, 49-56, 1997.
181. Ramillien G. and Cazenave A., Global bathymetry from altimetry data of the ERS-1 geodetic mission, *Journal of Geodynamics*, 23, 129-149, 1997.
182. Cazenave A., Bonnefond P., Dominh K. And Schaeffer P., Caspian sea level from Topex-Poseidon altimetry: Level now falling, *Geophys. Res.Lett.*, 24, 881-884, 1997.
183. Lecroart P., Albarede F. And Cazenave A., Correlations of mid-ocean ridge basalt chemistry with the geoid, *Earth Planet Sci. Lett.*, 153, 37-55, 1997.
184. Cazenave A., Gegout P., Ferhat G. and Biancale R., Temporal Variations of the Earth Gravity Field from Lageos 1 and Lageos 2 Observations, in "Global Gravity Field and its Temporal Variations", Ed. Rapp, Cazenave and Nerem, IAG Symposium n°116, Springer, Berlin, 1996.
185. Cazenave A., P. Schaeffer, M. Berge, Dominh K. and Gennero M.C., A high resolution mean sea surface with the altimeter data of the ERS-1 geodetic mission and Topex-Poseidon, *Geophys. J. Int.*, 125, 696-704, 1996.
186. Lefebvre M., Cazenave A., Escudier P., Biancale R., Cretaux J.F., Soudarin L. and Valette J.J., DORIS space tracking system improves accuracy of geodetic measurements, *EOS*, 77, 25-29, 1996.
187. Barlier F. Le Traon P.Y. et Cazenave A., Point sur les missions d'altimétrie spatiale : Topex-Poseidon et ERS-1. *Comptes Rendus de l'Académie des Sciences*, t 323, Série IIA, 737-753, 1996.
188. Cazenave A., Geoid, Topography and Distribution of Landforms, in "Global Earth Physics, AGU Handbook of Physical Constants, T. Ahrens Ed., AGU. Reference Shelf 1, 1995.
189. Cazenave A., Parsons B., and Calcagno P., Geoid lineations of 1000 km wavelength over the central Pacific, *Geophys.Res.Lett.*, 22, 97-100, 1995.
190. Soudarin L. & Cazenave A., Large-scale tectonic plate motions measured with the DORIS space geodesy system, *Geophys.Res.Lett.*, 22, 469-478, 1995.
191. Thoraval C., Machel P. and Cazenave A., Locally layered convection inferred from dynamical models of the Earth mantle, *Nature*, 375, 777-780, 1995.
192. Cazenave A., Biancale R., Crétaux J.F., Soudarin L., Boucher C., Willis P., Altamini Z., Valette J.J. and Escudier P., Le système spatiale Doris : applications à la géodésie, CNFGG, rapport quadriennal 1991-1994, p. 25-42, 1995.
193. Houry S., Minster J.F., Brossier C., Dominh K., Gennero M.C., Cazenave A. & Vincent P., Radial orbit error reduction and marine geoid computation from the Geosat Altimeter data, *J. Geophys. Res.*, 99, 4519-4533, 1994.

194. *Thoraval C., Machetel P. and Cazenave A., Influence of mantle compressibility and ocean warping on dynamical models of the geoid, Geophys. J. Int., 117,566-573, 1994.*
195. *Cazenave A. and Thoraval C., Upper mantle dynamics from topography, tomography and geoid ; inference on the origin of the pacific superswell. Earth Planet. Sci. Lett., 122, 207-219,1994.*
196. *Cazenave A., The Geoid and Oceanic Lithosphere, in 'Geoid and its Geophysical Interpretations', P. Vanic ek Ed., CRC Press Inc., 1994.*
197. *Calcagno P. & Cazenave A., Subsidence rate of the seafloor in the Atlantic and Pacific Oceans: Regional and Large-scale variations, Earth Planet. Sci.Lett., 126, 473-492, 1994.*
198. *Abarca del Rio R. & Cazenave A., Interannual variations in the Earth's polar motion for 1963-1991; comparison with atmospheric angular momentum over 1980-1991. Geophys.Res.Lett., 21, 2361-2364, 1994.*
199. *Calcagno P. & Cazenave A., Present and Past regional ridge segmentation: Evidence in geoid data, Geophys. Res. Lett, 20, 1895-1898, 1993.*
200. *Cazenave A., Gegout P., Soudarin L., Dominh K., Barlier F., Exertier P. & Boudon Y., Geodetic Results from Lageos 1 and Doris satellite data, In "Contributions of Space Geodesy to Geodynamics: Crustal Dynamics", AGU Monograph; Geodynamics Series, Vol 23, 1993.*
201. *Soudarin L., & Cazenave A., Global Geodesy using DORIS data on SPOT 2, Geophys. Res. Lett., 20, 289-292, 1993.*
202. *Gegout P. & Cazenave A., Temporal Variations of the Earth Gravity field for 1985-1989 derived from Lageos, Geophys. J. Int., 114, 347-359, 1993.*
203. *Cazenave A., Houry S., Lago B., & Dominh K., Geosat-derived geoid anomalies at medium wavelength, J. Geophys. Res., 97, 7081-7096, 1992.*
204. *Cazenave A., Valette J.J. & Boucher C., Positioning results with Doris on SPOT 2 after first year of mission, J. Geophys. Res., 97, 7109-7119, 1992.*
205. *Valette J.J., Cazenave A., Boucher C., & Gavoret M., Absolute and Relative positioning with the DORIS system first result with DORIS on SPOT 2, Manuscripta Geodetica, 17, 36-51, 1992.*
206. *Biancale R., Cazenave A., & Dominh K., Tectonic plate motions derived from LAGEOS, Earth Planet. Sci. Lett., 103, 379-394, 1991.*
207. *Cazenave A. & Lago B., Long-wavelength topography, seafloor subsidence and flattening, Geophys. Res. Lett., 18, 1257-1260, 1991.*
208. *Gegout P. & Cazenave A., Geodynamic parameters derived from 7 years of laser data on Lageos, Geophys. Res. Lett., 18, 1739-1742, 1991.*
209. *Lago B., Cazenave A. & Marty J.C., Regional variations in subsidence rate of lithospheric plates : implications for thermal cooling models, Phys. Earth and Planet. Int., 61, 253-259, 1990.*
210. *Monnereau M. & Cazenave A., Depth and geoid anomalies over oceanic hotspots swells : a global survey, J. Geophys. Res., 95, 15429-15438, 1990.*
211. *Cazenave A., Souriau A. & Dominh K., Global coupling of Earth surface topography with hotspots, geoid and mantle heterogeneities, Nature, 340, 54-57, 1989.*
212. *Marty J.C. and Cazenave A., Regional variations in subsidence rate of oceanic plates : a global analysis, Earth Planet. Sci. Lett., 94, 301-315, 1989.*
213. *Cazenave A., Dominh K., Rabinowicz M. and Ceuleneer G., Geoid and depth anomalies over ocean swells and throughs: Evidence for an increasing trend of the geoid to depth ratio with age of plate, J. Geophys. Res., 93, 8064-8077, 1988.*

214. Ceuleneer G., Rabinowicz M., Monnereau M., Cazenave A. & Rosemberg-Borot C., Viscosity and depth extent of the sublithospheric low-viscosity zone : constraints from geoid and depth over oceanic swells, *Earth Planet. Sci. Lett.*, 89, 84-102, 1988.
215. Marty J.C., Cazenave A., & Lago B., Geoid anomalies across Pacific fracture zones, *Geophys. J.*, 93, 1-23, 1988.
216. Marty J.C. & Cazenave A., Thermal evolution of the lithosphere beneath fracture zones inferred from geoid anomalies, *Geophys. Res. Lett.*, 15, 593-597, 1988.
217. Monnereau M. & Cazenave A., Variation of the apparent compensation depth of hotspot swells with age of plate, *Earth Planet. Sci. Lett.*, 91, 179-197, 1988.
218. Calmant S. and Cazenave A., Anomalous elastic thickness of the oceanic lithosphere in the south-central Pacific, *Nature*, 328, 236-238, 1987.
219. Cazenave A., Monnereau M. and Gibert D., Seasat gravity undulations in the central Indian Ocean, *Phys. Earth Planet. Int.*, 48, 130-141, 1987.
220. Cazenave A. & Dominh K., Global relationship between oceanic geoid and seafloor depth: New results, *Geophys. Res. Lett.*, 14, 1-5, 1987.
221. Gaudon P. & Cazenave A., Numerical experiments relative to primordial rotations of planets, *Astronomy and Astrophysics*, 173, 183-190, 1987.
222. Calmant S. & Cazenave A., The elastic lithosphere under the Cook-Austral and Society Islands, *Earth Planet. Sci. Lett.*, 77, 187-202, 1986.
223. Cazenave A., Rosemberg-Borot C., Rabinowicz M., Geoid lows at deep sea trenches, *J. Geophys. Res.*, 91, 1989-2005, 1986.
224. Cazenave A. and Okal E.A., Use of satellite altimetry in studies of the oceanic lithosphere, *Space Geod. and Geodyn.*, Ed. A.J. Anderson & A. Cazenave, Academic Press, London, 1986.
225. Cazenave A., Dominh K., Allegre C., and Marsh J., Global relationship between oceanic geoid and topography, *J. Geophys. Res.*, 91, 11439-11450, 1986.
226. Okal E. & Cazenave A., A model for the plate tectonics evolution of the Eastcentral Pacific based on Seasat investigations, *Earth Planet. Sci. Lett.*, 72, 99-117, 1985.
227. Ruff L. & Cazenave A., Geoid anomalies over the Macquerie Ridge complex indicate an unexpected subducted slab, *Physics Earth Planet. Int.*, 38, 59-69, 1985.
228. Souriau A. & Cazenave A., Reevaluation of the Chandler wobble seismic excitation from recent data, *Earth Planet. Sci. Lett.*, 75, 410-416, 1985.
229. Spaute D., Lago B., & Cazenave A., Gaseous drag and planetary formation, *Icarus*, 64, 139-162, 1985.
230. Cazenave A., thermal cooling of the oceanic lithosphere: Possible evidence for two distinct trends, *Nature*, 310, 401-403, 1984.
231. Cazenave A., Thermal cooling of the oceanic lithosphere: New constraints from geoid height data, *Earth Planet. Sci. Lett.*, 70, 395-407, 1984.
232. Cazenave A & Dominh K., Geoid anomalies above the Louisville Ridge (South Pacific), *J. Geophys. Res.* 89, 11171-11179, 1984.
233. Cazenave A. & Dominh K., Reply to the critique of Reasenberg & Bills on "Elastic Thickness of the Venus lithosphere estimated from topography & gravity", *Geophys. Res. Lett.* 10, 196-198, 1983.
234. Cazenave A. & Dominh K., Anomalies du géoïde au-dessus de la chaîne sous-marine Louisville ridge (Pacifique Sud); conséquences possible sur son origine, *Comptes Rendus de l'Académie des Sciences*, 296, 487-492, 1983.
235. Cazenave A., Lago B. & Dominh K., Thermal parameters of the oceanic lithosphere estimated from geoid height data, *J. Geophys. Res.* 88, 1005-1118, 1983.
236. Lago B. & Cazenave A., dynamical evolution of cometary orbits in the Oort cloud, another statistical approach, *Icarus*, 53, 68-83, 1983.

237. Cazenave A., Lago B., & Dominh K., Geoid anomalies over the northeast Pacific fracture zones from satellite altimeter data, *Geophys. J. R. Astron. Soc.*, 69, 15-31, 1982.
238. Cazenave A., Lago B., & Dominh K., Numerical experiment applicable to the latest stage of planet growth, *Icarus*, 51, 133-148, 1982.
239. Cazenave A., Tidal friction parameters from satellite observations, in "Tidal Friction and the Earth Rotation II", Ed. Brosche & Sündermann, Springer-Verlag, 1982.
240. Courtillot V., Le Mouél J.L., Ducruix J., & Cazenave A., Geomagnetic secular variation as a precursor of climatic changes, *Nature*, 297, 386-387, 1982.
241. Scholl H., Cazenave A. & Brahic A., the effect of star passages on cometary orbits in Oort cloud, *Astronomy and Astrophysics*, 112, 157-166, 1982.
242. Cazenave A. & Balmino G., Meteorological effects on the seasonal variations of the rotation of Mars, *Geophys. Res. Lett.* 8, 245-248, 1981.
243. Cazenave A. & Daillet S., Lunar tidal acceleration from Earth satellite orbit analyses, *J. Geophys. Res.*, 86, 1659-1663, 1981.
244. Cazenave A. & Dominh K., Elastic thickness of the Venus lithosphere estimated from topography and gravity, *Geophys. Res. Lett.* 8, 1039-1042, 1981.
245. Lago B. & Cazenave A., State of stress of the oceanic lithosphere in response to loading, *Geophys. J.R. Astron. Soc.*, 64, 785-799, 1981.
246. Lago B. & Cazenave A., Réponse de la lithosphère océanique à des charges en surface, *Ann. Geophys.*, 1, 37, 119-121, 1981.
247. Cazenave A., Dobrovolskis A., & Lago B., Evolution of the inclination of Phobos, *Nature*, 284, 430-431, 1980.
248. Cazenave A., Dobrovolskis A., & Lago B., Orbital history of the Martian satellites with inferences on their origin, *Icarus*, 44, 730-744, 1980.
249. Cazenave A., Lago B., Dominh K., & Lambeck K., On the response of the ocean lithosphere to seamount loads from Geos 3 satellite radar altimetry, *Geophys. J.R. Astr. Soc.*, 63, 233-252, 1980.
250. Balmino G., Brossier C., Cazenave A., Dominh K & Nouel F., Geoid of the Kerguelen Islands area determined from Geos 3 altimeter data, *J. Geophys. Res.*, 84, 3827-3831, 1979.
251. Brahic A., Breton J., Caubel J, Cazenave A., Feasability study of a multiple flyby mission of main belt asteroids, *Icarus*, 40, 423-433, 1979.
252. Cazenave A., Lambeck K., & Dominh K., Studies of the Geos 3 geoid undulations over seamounts in the Indian Ocean, AGU Geophysical Monograph Series, Vol. "The Use of Artificial Satellites for Geodesy and Geodynamics", 1979.
253. Lago B. & Cazenave A., Possible dynamical evolution of the rotation of Venus since formation, *The Moon and The Planets*, 21, 127-254, 1979.
254. Cazenave A., Daillet S., Lambeck K., Tidal studies from the perturbations in satellites orbits, *Phil. Trans. R. Soc. Lond. A.*, 284, 595-606, 1977.
255. Cazenave A., Daillet S., Lambeck K., Effect of Earth, ocean and atmospheric tides on satellite orbits, *Annales de Geophysique*, 33, 1977.
256. Lambeck K., Cazenave A., The Earth variable rate of rotation: a discussion of some meteorological and oceanic causes and consequences, *Phil. Trans. Soc. Lond. A.*, 284, 495-506, 1977.
257. Lambeck K. & Cazenave A., Long term variations in the length of day and climatic changes, *Geophys. J.R. Astr. Soc.* 46, 555-573, 1976.
258. Lambeck K., Cazenave A. and Balmino G., Solid Earth and ocean tides estimated from satellite orbits analysis, *Review of Geophysics and Space Physics*, Vol. 12, 421-433, 1974.

259. Lambeck K. & Cazenave A., The Earth rotation and atmospheric circulation I, Seasonal variations, *Geophys. J.R. Astr. Soc.* 32, 79-93, 1973.
260. Cazenave A., Dargnies O., Balmino G., Lefebvre M., Geometrical adjustment with simultaneous laser and photographic observations of the European datum; Geophysical Monograph Series, AGU, Vol. 15, "The Use of Artificial Satellites for Geodesy", 1972.
261. Cazenave A., Forestier F., Nouel F., Pieplu J.L., Improvements of zonal harmonics using observations of low inclination satellites, DIAL, SAS and PEOPLE; Geophysical Monograph Series AGU, Vol. 15, "the Use of Artificial Satellites for Geodesy", 1972.

2. BOOK EDITING

1. 'Internal Geophysics and Space', Editeurs A. Cazenave, J.F. Minster & J.C. Husson, Editions Cepadues, Toulouse, 1985.
2. 'Earth Rotation: Solved and Unsolved Problems', A. Cazenave Editor, NATO. ASI Series, D. Reidel Publ. Company, Dordrecht, 1986.
3. Space Geodesy and Geodynamics', A. Cazenave & A.J. Anderson Editors, Academic Press, London, 490 pages, 1986.
4. 'Satellite Altimetry and Earth Sciences. A handbook of Techniques and Applications', Lee-L. Fu & A. Cazenave Editors, Academic Press, International Geophysics Series, 463 pages, Vol. 69, San Diego, USA, 2001.
5. Remote sensing & water resources, Cazenave et al. Editors, 337 pages, Space Science Series of ISSI, vol 55, Springer, ISBN 978-3-319-32448-7, 2016.
6. Integrative study of the mean sea level and its components, 415 p., Cazenave A., Champollion N., Paul F. and Benveniste J. (Edts), 416 pages, Space Science Series of ISSI, vol 58, Springer Int. Pub., ISBN 978-3-319-56490-6., 2017.
7. Satellite altimetry over oceans and land surfaces, D. Stammer & A. Cazenave Editors, 620 pages, CRC Press, Taylor & Francis, ISBN 978-1-4987-4345, 2018.
8. Measurement of Forest Properties for Carbon Cycle Research, K. Scipal, A. Cazenave and T. Lopez (Edts) Space science series of ISSI, Springer, 2019.
9. Coastal Sea Level and open Ocean Processes, R. Ponte, B. Meyssignac, C. Domingues, D. Stammer, A. Cazenave, T. Lopez (Eds.) Space science series of ISSI, Springer, 2020.
10. Satellite studies of geohazards and risks, A. Cazenave, M. Manda, J. Benveniste, T. Lopez (Eds.), Space science series of ISSI, Springer, 2021.
11. Probing the Earth's deep interior using in synergy observations of the Earth's gravity and magnetic fields, and of the Earth's rotation, Cazenave A., V. Dehant and M. Manda (Edts), Space science series of ISSI, Springer, 2023.
12. Global change in Africa, A. Cazenave et al. (Eds.), Space science series of ISSI, Springer, 2023.

3. OTHER PUBLICATIONS

1. Cazenave A., Interactions entre les irrégularités de la vitesse de rotation de la Terre et les phénomènes météorologiques et climatiques, Thèse de Doctorat d'Etat, Université de Toulouse, 1975.
2. Cazenave A., & Lambeck K., Rotation de la Terre, Météorologie et Climat, La Recherche, 1977.
3. Cazenave A. & Brahic A., Les Marées dans le Système Solaire, Pour la Science, 1981.

4. Cazenave A. & Lago B., Late stage of planet growth in accretion theory, in "Formation of Planetary Systems", Ed. Brahic, Cepadues, 1982.
5. Cazenave A., Le système solaire : caractéristiques Physiques et Dynamiques; L'Accrétion des planètes; les Planètes en Mouvement; les Marées dans le Système Solaire; l'Intérieur des Planètes Telluriques; la Machine Terre; le système Terre-Lune, Le Grand Atlas de l'Univers, Encyclopedia Universalis, 1984.
6. Cazenave A. & Dominh K., Le Géοide Marin, Geochronique, n° 14, Mai 1985
7. Cazenave A. & Balmino G., La Gravité de la Terre, La Recherche, n° 176, Avril, 1986.
8. Cazenave A., Le champ de gravité terrestre, Bulletin de la Société Française de Physique, 1989.
9. Cazenave A., Etude de la terre solide depuis l'espace, Document CNES, 1990.
10. Cazenave A., Le manteau terrestre et le champ de gravité, Rapport CNES, Colloque de Prospective Scientifique, 1990.
11. Cazenave A., Le géοide terrestre, Courrier du CNRS N°76, 1990.
12. Cazenave A., Mesure de déformation du globe par Géodésie Spatiale, Proceedings N°91 Colloque de l'Association Française pour l'Avancement des Sciences sur la Tectonique des plaques et l'expansion de la Terre, 1991.
13. Cazenave A., Applications géodynamiques du système DORIS : expérience pilote à Djibouti, DORIS News Letter N°2, 1991.
14. Soudarin L., Cazenave A., Valette J.J., Positioning Results with DORIS, Proceedings of the 6th International Geodetic Symposium on Satellite Positioning, OSU, Columbus, 1992.
15. Cazenave A., Géodésie spatiale et déformations du globe, Proceedings du 50e anniversaire du BIH, 1992.
16. Cazenave A., Houry S., Dominh K., & Gennero M.C., Preliminary proceedings du 1er symposium on ERS-1, ESA publication - 1992.
17. Cazenave A., Altimétrie spatiale et géophysique, Proceedings du 20e anniversaire du GRGS, 1992.
18. Soudarin L. & Cazenave A., Résultats géodésiques obtenus par analyse de 2 ans de mesures DORIS, proceedings des journées Systèmes de Référence Spatio-temporelles, IERS, Paris, 1993.
19. Cazenave A., "Choisir son orbite", Les conquêtes de l'Espace, Savoirs N°3, Le Monde Diplomatique, 1994.
20. Cazenave A. & K. Feigl : 'Formes et mouvements de la Terre : satellites et géodésie', 160 pages, CNRS Editions, Belin, Paris, 1994.
21. Cazenave A., Etude de la Terre solide depuis l'Espace, Proceedings de la journée nationale de l'Association des Professeurs de Biologie et Géologie, 1997.
22. Cazenave A. Gibert D.; Rôle des techniques spatiales en sciences de la Terre solide, Colloque de Prospective de l'INSU, 1996.
23. Cazenave A., Balmino G. et Biancale R., Géodésie spatiale et Terre solide, Revue des Techniques Avancées, n° 38, Janvier 1997.
24. Cazenave A. & Le Meur H., Les déformations de la Terre, La Recherche, Janvier 1998.
25. Cazenave A. & A. Brahic, Les marées dans le système solaire, Dossier Pour la Science, 'Les Terres célestes', avril 1999.
26. Cazenave A., Géodésie Spatiale, Terre Solide et Enveloppes Fluides de surface, Revue du Palais de la Découverte, Paris, avril 2000.
27. Cazenave A., L'exploration des fonds océaniques par altimétrie spatiale, Proceedings du colloque 'Le 6ème continent', Institut Catholique, 2001.
28. Cazenave A., Géodésie, Gravimétrie et altimétrie spatiales appliquées aux réserves en eau continentales, Proceedings de la journée nationale 'Hydrologie Spatiale', Toulouse, mars 2001.

29. Cazenave A., Les variations actuelles du niveau moyen de la mer, Revue de l'Académie de Marine, 2001.
30. Cabanes A., A. Cazenave and C. Le Provost, La mer monte, CNRS-info, 2001.
31. Cazenave A., Etude de la terre solide et des enveloppes fluides de surface par les techniques spatiales, Livre blanc sur la géodésie, 2002.
32. Cabanes C., A. Cazenave and C. Le Provost, La lettre du Programme International Géosphère Biosphère et du Programme Mondial de Recherche sur le Climat, Changement Global, 2002.
33. Cabanes C., A. Cazenave and F. Remy, La mer monte de 2.5 millimètres par an, La Recherche, 2002.
34. Cazenave A., La Terre observée depuis l'espace, Proceedings de l'Ecole d'été de physique e2phy 2003, Bordeaux, 2003.
35. Cazenave A., Les variations actuelles du niveau de la mer, Revue 'La Météorologie', n° 45, mai 2004.
36. Lombard A., C. Cabanes, A. Cazenave, F. Remy., 2,8 millimètres par an, La Recherche, oct. 2004.
37. Menard Y. & A. Cazenave, Le projet Jason-1, Rapport au Cospar, Novembre 2004.
38. Cazenave A. & D. Massonnet : ' La Terre vue de l'espace', 125 pages, Bibliothèque Pour la Science, Belin, Paris, 2004.
39. Cazenave A., Les variations actuelles du niveau de la mer; Observations et causes : Proceedings du colloque 'L'homme face au climat', Collège de France, octobre 2004 et Publications Odile Jacob 2005.
40. Delecluse P. & A. Cazenave , L'impact majeur de l'océan sur le climat, CNES MAG, N° 25, mars 2005.
41. Cazenave A. , La hausse du niveau des mers, revue 'Atmosphériques' Météo-France, 2005.
42. Villain J., F. Rocard, A. Cazenave, F. Alby, De l'Espace pour la Terre, Les Satellites, Revue TDC n° 895. Avril 2005.
43. Cazenave A., 'La montée du niveau des mers; Rising sea levels' Lettre PIGB-PMRC, Changement Global, n° 19, mai 2006.
44. Cazenave A., 'L'océan s'est considérablement réchauffé' , Journal CNES QUI SE PASSE, 2006
45. Cazenave A., 'L'observation spatiale de la mer' ouvrage collectif 'Planète Océane', Editions Choiseul, 2006.
46. Cazenave A., Quelle élévation du niveau des mers dans le cadre du réchauffement climatique, Les Cahiers de l'Université des lycéens, 2006.
47. Lombard A., C. Cabanes, A. Cazenave et F. Remy., 3 millimètres par an, Editions Tallandier, 2007.
48. Cazenave A., Lombard A., Dominh K., Llovel W., Bouhours S., Ramillien G. and Nerem R.S., Recent advances in measuring and understanding sea level change during the satellite altimetry era, OST publication, 2007.
49. Cazenave A., Present-day sea level rise : do we understand what we measure? Proceedings du workshop " 15 years of satellite altimetry", ESA Publication, 2007.
50. Cazenave A., Recent Sea Level Change, Ocean Challenge, vol.15, N° 1, 2007.
51. Cazenave A., 'L'observation spatiale de la Terre solide et de ses enveloppes fluides', Revue 'Rayonnement du CNRS', 2008.
52. Cazenave A., 'Monitoring sea level change: satellites are essential but not sufficient', BOSS4GMES journal, 2008.
53. Cazenave A., Monitoring sea level rise using satellites, rapport au COSPAR, 2008.
54. Cazenave A., 'La hausse actuelle du niveau de la mer', Revue BIOFUTUR, 2008.
55. Cazenave A., 'Le cycle de l'eau', DOCSCIENCES, 2008.

56. Cazenave A., Observing the solid Earth, oceans and land waters from space, *The European Physical Journal*, ERCA volume 8, 2008.
57. Cazenave A., ‘Surveillance des eaux continentales depuis l’espace’, *Revue Géosciences du BRGM*, 2008.
58. Cazenave A., ‘Apport de l’espace à la connaissance de la planète Terre’, Séance solennelle de l’Académie des sciences, 25 novembre 2008.
59. Cazenave A., ‘La hausse actuelle du niveau de la mer’, *Questions internationales*, La Documentation Française, 2009.
60. Rignot E. and A. Cazenave, ‘Arctic climate, Northern Hemisphere and Global sea level’, WWF report on ‘Arctic Feedbacks’, 2009.
61. Cazenave A., ‘Sea level’, in *Encyclopedia for ice and snow*, 2009.
62. Cazenave A., Ramillien G. And Biancale R., *Temporal gravity change*, *Encyclopedia of Solid Earth Geophysics*, Springer, 2010.
63. Cazenave A. & E. Berthier, ‘La hausse du niveau des océans : jusqu’où ?’, *Pour La Science*, 2010.
64. Llovel W. & A. Cazenave, ‘Hausse actuelle du niveau de la mer: que savons nous exactement?’, *SMF info*, 2010.
65. Cazenave A. & E. Berthier, ‘La Terre se réchauffe et la mer monte’, *Livre ‘Océan et réchauffement climatique’*, Editions Le Pommier et Universcience, 2011.
66. Cazenave A. & M. Ablain, *Livre ‘Climat’ CNRS*, 2011.
67. Cazenave A., W. Llovel, E. Berthier, G. Krinner, *Livre ‘Climat’ CNRS*, 2011.
68. Cazenave A. *Contemporary sea level rise*, *PAGES*, 2012.
69. Cazenave A., *Les ressources en eau*, *Magazine de l’Université Paul Sabatier*, Toulouse, 2012.
70. Cazenave A., H.B. Dieng, S. Munier, O. Henry, B. Meyssignac, H. Palanisamy et W. Llovel, *Influence d’El Nino et la Nina sur le niveau de la mer*, *Journal La Météorologie*, 79, novembre 2012.
71. Cazenave A. & B. Voituriez, *L’océan et le climat*, *Livret de l’environnement*, Académie des sciences, 2013.
72. Cazenave A., « La Terre et l’environnement observés depuis l’espace », 79 pages, *Leçons inaugurales du Collège de France*, Collège de France/Fayard, 2013.
73. Cazenave A., *Sea Level*, *Encyclopedia of Geodesy*, 2015.
74. Planton S., G. LeCozannet, A. Cazenave et al., *Le climat de la France au XXI^e siècle ; Changement climatique et niveau de la mer : de la planète aux côtes françaises*, *Rapport pour le Ministère de l’Ecologie, le Développement Durable et l’Energie*, 2015.
75. Cazenave A., E. Berthier, G. Le Cozannet, V. Masson-Delmotte, B. Meyssignac et D. Salas y Melia, *Le niveau de la mer : variations passées, présentes et futures*, *Journal La Météorologie*, n° 88, février 2015.
76. Cazenave A., Champollion N., Benveniste and Chen J., *Foreword: International Space Science Institute Workshop on Remote Sensing and Water Resources*, in ‘Remote sensing and water resources’, *space sciences series of ISSI*, Springer, 2016.
77. Cazenave A., *La hausse du niveau de la mer; observations et projections; livre “Chimie et Changement Climatique”*, EDP Sciences, 254p, 2016.
78. Cazenave A., *Le niveau de la mer, L’Océan à découvert*, CNRS, 2017.
79. De Marsily G., Abarca del Rio R., Cazenave A., Ribstein P., *Allons-nous bientôt manquer d’eau ?*, *Revue ‘La Météorologie’*, 2018.
80. Cazenave A., *La mer monte lentement mais sûrement*, *Atlas de l’eau et de la mer*, Le Monde, 2017.
81. Cazenave A., *Contribution to the WMO (World Climate Organization) Statement on the State of the Global Climate 2017*, 2018.

82. Cazenave A., L'élévation du niveau de la mer, numéro spécial 'Rivages', Revue Reliefs, 2018.
83. Cazenave A., Satellite Altimetry', Encyclopedia of Ocean Sciences, 2019.
84. Cazenave A., Sea Level Rise, World Scientific Encyclopedia of Climate Change, 2019.
85. Cazenave A., Contribution to the WMO (World Climate Organization) Statement on the State of the Global Climate 2018, 2019.
86. Cazenave A. et al., Temporal variations of the gravity field, Encyclopedia of Solid Earth Geophysics, 2020.
87. Cazenave A., Climate Change and Sea level Rise, Spatium, Association pro ISSI, 2020.
88. Cazenave A., Sea level rise, Global to Local, Editorial, Journal of the Geological Society of India, 2020.
89. Cazenave A., Contribution to the WMO (World Meteorological Organization) report on the state of the global climate: Statement on the State of the Global Climate 2019, WMO-No 1248, 2020.
90. Cazenave A., Contribution to the WMO (World Meteorological Organization) report on African climate: State of the climate in Africa 2019, WMO-No. 1253, 2020.
91. Cazenave A., Contribution to the WMO (World Meteorological Organization) report on the state of the global climate: Statement on the State of the Global Climate 2020, WMO 2021.
92. Cazenave A., Contribution to the WMO (World Meteorological Organization) report on the state of the global climate: Statement on the State of the Global Climate 2021, WMO, 2022.
93. Cazenave A., Contribution to the WMO (World Meteorological Organization) report on the state of the global climate: Statement on the State of the Global Climate 2022, WMO, 2023.