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Education:

Ph.D Thesis (Doctorat d'Etat) in Geophysics - *University of Toulouse, 1975*

Professional experience:

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

Invited professor at the Collège de France, 2012-2013, annual chair 'Développement Durable- Environnement, Energie et Société'

Senior Scientist at the '*Laboratoire d'Etudes en Géophysique et Océanographie Spatiale*' (LEGOS), *Centre National d'Etudes Spatiales (CNES)*, Toulouse, France

Head of the group '*Géophysique, Océanographie et Hydrologie Spatiale*' at LEGOS (until 2009).

Deputy Director of LEGOS between 1996 and 2007

Research interest : Application of space techniques to geosciences

Satellite geodesy and space research in Earth sciences : 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, geocenter motions; Temporal changes of the Earth gravity field and global mass redistributions among the surface fluid envelopes of Earth (oceans, atmosphere, land).

Sea level variations at regional and global scales (observation from satellite altimetry and tide gauges; study of climatic causes: ocean thermal expansion and salinity effects, mass balance of the ice sheets, land water storage change, etc.); Water cycle and land hydrology from space; Climate research.

Publications:

190+ articles in international journals (listed in annex); Several Monograph chapters; Editor of 5 books, among them : 'Satellite Altimetry and Earth Sciences. A handbook of Techniques and Application, Lee-L. Fu & A. Cazenave Editors, Academic Press, International Geophysics Series, Vol. 69, San Diego, USA, 463 pages, 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

Joint Scientific Committee (JSC) of WCRP (*World Climate Research Programme*); Panel 'Advanced Grant, Earth System Sciences' of ERC (*European Research Council*); 'C. Whitten Medal' committee (*American Geophysical Union*) and 'Nansen Medal' committee (*European Geosciences Union*)

Recent Past (last decade only)

Member: IPCC (*Intergovernmental Panel on Climate Change*) Working Group I and lead author of the 5th Assessment Report (*Sea Level* chapter); Scientific Advisory Committee' of the '*Centre for Climate Dynamics*', Bergen University, Norway; Steering committee of GCOS (*Global Climate Observing System*) (2008-2012); Panel 'Advanced Grant, Earth System Sciences' of ERC (*European Research Council*) (2008-2012); Panel 'NASA Earth Sciences Program' (*National Research Council, The National Academies, USA*) (2010-2012); 'Revelle Medal' committee (*American Geophysical Union*) (2010-2012); Editor of EOS (Journal of the American Geophysical Union) (2008-2011); Member of the assessment panel of the Hadley Center/MetOffice (UK) (2007-2010); Member of the panel '*National Geodetic Infrastructures*', NRC (*National Research Council, The National Academies, USA*); Member of the IPCC (*Intergovernmental Panel on Climate Change*) Working Group I (2004 -2007) and Lead Author of the IPCC AR4 for '*Ocean climate and sea level*'; Chair of the committee on 'International Award' (*American Geophysical Union*) (2006-2010); International Secretary of the AGU (*American Geophysical Union*) (2002-2006); Member of the scientific committee of GGOS (Global Geodetic Observing System) (2004-2010); Member of the panel '*Water Resources and the Global Hydrological Cycle of Earth Science and Applications from Space; Decadal Survey*', NRC (*National Research Council, The National Academies, USA*) (2005-2006); President of the Geodesy Section of the EGU (*European Geosciences Union*) (1999-2004); Member of the panel '*Climate*

Change of the AGU (*American Geophysical Union*) (2003); Member of the 'Solid Earth' committee for NASA program evaluation, NRC (*National Research Council, The National Academies, USA*) (2004-2005).

National Responsibilities:

Current

Chair: Scientific Council of *MeteoFrance*

Vice Chair : 'Conseil Supérieur des Programmes', French Ministry of Education.

Member : Scientific Council of the *Ecole Polytechnique*; 'Conseil d'Administration' of CNRS (*Centre National de la Recherche Scientifique*); Scientific Council of the '*Ecole d'Agriculture de Purpan*'.

Recent Past (last decade)

Chair : Scientific Council of the '*Agence de l'Eau du bassin Adour-Garonne*' (2010-2013).

Member: Scientific Council of the *Institut Oceanographique de Monaco* (2009-2012); Committee of the '*Chaires Blaise Pascal*' (Region Ile de France) (2004-2011); 'Comite Strategique et Technique de la Flotte française' (Ministry of Research and High Level Education) (2009-2010); Scientific Council of the '*Office Parlementaire d'Evaluation des Choix Scientifiques et Techniques de l'Assemblée Nationale et du Senat*' (2002-2010); 'Haut Conseil' of the '*Observatoire de Paris*' (2006-2010), Scientific Council of the City of Paris (2003-2008); Scientific Council of the Institut de Physique du Globe de Paris (2002-2009); Evaluation Committee of the IUF 'Senior' (*Institut Universitaire de France*) (2005-2006); CNER (*Comite National d'Evaluation de la Recherche*) (1999-2005); CNS (*Conseil National de la Science, Ministry of Research*) (1997-2002); Coordinating Committee for Earth sciences and Environment (*Ministry of Research*) (1997-2003); Evaluation Committee for space research (*Centre National d'Etudes Spatiales*) (1993-2003).

PhD thesis supervision:

S. Daillet (1984), P. Pinet (1985), S. Calmant (1987), P. Gaudon (1988), J.C. Marty (1989), M. Monnerieu (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 (in progress), H.B. Dieng (in progress).

Teaching:

Space geodesy lessons at the University of Toulouse (1981-2000), University of Paris 6 (1983-1988), Ecole Nationale des Techniques Avancées (ENSTA) (1975-1983).

Teaching 'Observing the Earth and environment from space', annual chair 2012-2013 'Developpement Durable-Environnement, Energie et Société', Collège de France (2012-2013).

Coordination of (or participation to) national and international projects:

Current and recent past only

Scientific coordinator of the 'sea level' project of ESA (*European Space Agency*) 'Climate Change Initiative' (9 partner teams) (2010-2016); Scientific coordinator of the ANR (*Agence Nationale de la Recherche*) project 'CECILE' on '*Coastal impacts of sea level rise*' (7 partner teams) (2009-2013); Coordinator of the project 'Teledetection et ressources en eau' RTRA-STAE (Reseau Thematique de Recherche Avancee 'Sciences et Techniques de l'Aeronautique et de l'Espace') (2013-2014); Partner for '*Sea level change of the Arctic Ocean*' of the European project (FP7) 'MONARCH' on *Arctic climate change*; Coordinator of the French project 'CYMENT' (*Water cycle and hydrology from space*) of the RTRA-STAE (Reseau Thematique de Recherche Avancee 'Sciences et Techniques de l'Aeronautique et de l'Espace') (8 partners) (2008-2011); Partner of the European project TOPOEUROPE-Eurocores of ESF (European Science Foundation) on the '*Mediterranean sea level*' (2008-2010).

Principal Investigator of several satellite altimetry missions (Topex/Poseidon, Jason-1, Jason-2, Envisat) for sea level studies.

Editorial responsibilities:

Current: Invited editor of PNAS (*Proceedings of the National Academy of Sciences, USA*); member of the editorial board of *Surveys in Geophysics*.

Previously: Editor of EOS (journal of the *American Geophysical Union*) (2008-2011); Associate Editor of 'Comptes Rendus Geosciences' (*French Academy of sciences*) (2008-2010); Section Editor of the Encyclopedia of Solid Earth Geophysics (2010); Editor-in-chief of the journal '*Earth and Planetary Science Letters*', EPSL, (1997-2002); co-editor of PAGEOPH (1989-1994) and of the *Journal of Geodynamics* (1994-1997).

International invited lectures (last decade only):

'Sea level change' or 'Water cycle and land hydrology'

2014 : Institut Français (Tunis) ; Royal Swedish Academy of sciences (Stockholm), ETH (Zurich)
 2013: Institut Français (Madrid), Ecole Polytechnique (France), ETH (Zurich), COSPAR symposium (Bangkok)
 2012: ERCA (*European Research Courses on Atmospheres*), Grenoble; IODP-France, Paris; Center for Ice and Climate (Copenhaguen), Summer school on 'Space Geodesy', Shanghai Astronomical Observatory (Shanghai, China); Department of Geosciences at Princeton University (USA)
 2011: Union Lecturer UGGI (Melbourne, Australia); Biomarine Business Convention (Nantes, France); International workshop on *Adaptation to Climate Change* (Tahiti, Polynesia)
 2010: 3rd bi-annual symposium on 'Future Ocean' of the Leibniz Institute of Marine Sciences (Kiel, Germany); ISSI workshop on 'the Earth's cryosphere and sea level change' (Bern, CH); IPCC workshop on 'Sea level rise and ice sheet instabilities' (Kuala Lumpur, Malaysia); ERCA (*European Research Courses on Atmospheres*), Grenoble.
 2009: Side event 'Impact of ice sheet melting to sea level rise : Past, present and future', COP15 (U.N. world climate summit; Copenhagen, DK); 'Sea level rise and coastal flooding - understanding the risk' workshop of the Royal Society (London, UK); 'What is new since IPCC AR4?' and 'Sea level observations and causes' symposia of the Annual Meeting of the American Association for Advancement of Sciences, (Chicago, USA); ERCA (*European Research Courses on Atmospheres*), Grenoble.
 2008: *Golden Jubilee* of the Geological Society of India (Bangalore, India; 2008) ; ESF workshop on 'Water and Life' (Taormina, Italy) ; ESF workshop on 'Improving estimates of the rate of sea level rise from the Greenland ice sheet' (Majorca, Spain); James Baker Institute (Rice University, Houston; USA); 'Ocean climate and Sea level' workshop at CAOS (*Center for Atmosphere and Ocean Science*) (New-York University; N.Y., USA); ERCA (*European Research Courses on Atmospheres*), Grenoble.
 2007: McGill University (Montreal, Canada); NASA/GSFC (Greenbelt, USA); Opening Ceremony Lecture of the annual congress of the Société Française de Physique; Annual Indian Science congress (Chidambaram University, India)
 2006: ONERC (*Office National d'Evaluation du Changement Climatique*) meeting on 'Climate change in the Caribbean' (Fort de France, Martinique); *Holmes Lecture* of the European Geosciences Union; (Vienna, Austria); UNESCO workshop on 'Understanding sea level rise and variability' (Paris); Indian Science Institute (Bangalore, India); NGRI (Hyderabad, India)
 2005: Japan Meteorological Institute (Tokyo, Japan)
 2004: International conference on 'Human beings and climate', College de France (Paris) ; 'Assises de la Recherche Française dans le Pacifique' (New Caledonia)
 2003: Cambridge University (Cambridge, UK); 'Sushi Lecture' of IUGG (*International Union of Geodesy and Geophysics*, Sapporo, Japan)

Honors and Awards:

Academies

Member of the *French Academy of Sciences* (2004); Foreign member of the *National Academy of Sciences* (NAS, USA) (2008); Foreign fellow of the *Indian National Science Academy (INSA)*, New Delhi (2012); Member of the *Academia Europaea* (1990); Member of the *European Academy for Aeronautics and Space* (1986).

Others

Fellow of the *American Geophysical Union* (1996)

Fellow of the *American Association for the Advancement of Science (AAAS)* (2012)

Scientific Awards

Bronze Medal of CNRS (1980), Prize Doisteau-Blutet of the *French Academy of Sciences* (1979; 1990), Prize Kodak-Pathé-Landucci of the *French Academy of Sciences* (1996), Vening-Meinesz Medal of the *European Geophysical Society* (1999), Arthur Holmes Medal of the *European Geosciences Union* (2006), Prize Manley Bendall, Medal 'Albert 1^{er} de Monaco' of the *Institut Océanographique de Monaco* (2008), Prize 'Emile Girardeau' of the '*Academie de Marine*' (2010). Bowie Medal of the *American Geophysical Union* (2012).

Civil Awards

Ordre National du Merite (Commandeur : 2007, Officier: 1997, Chevalier : 1981), Legion d'Honneur (Officier : 2010, Chevalier: 2000).

Annex : Publications

Articles in peer-reviewed journals

1. Cazenave A., Dieng H., Meyssignac B., von Schuckmann K., Decharme B. and Berthier E., How fast is sea level rising? Accepted, *Nature Climate Change*, 2014.
2. Cazenave A. and Le Cozannet G., Sea level rise and its coastal impacts, in press, *Earth's Future*, 2014.
3. 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, in revision, *Global Planetary Change*, 2014.
4. Dieng H.B., 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, submitted, *J. Geodetic Sciences*, 2014.
5. 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, in press, *J. of Geodesy*, 2014.
6. Stammer D., Cazenave A., Ponte R. and Tamisiea M., Contemporary regional sea level changes, *Annual Review Marine Sciences*, 5, 21–46, 2013.
7. 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, in press, *J. Coastal Research*, 65, doi: 10.2112/SI65-361.1 2013.
8. 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.
9. Meyssignac B., Lemoine J.M., Cheng M., Cazenave A., Gegout P. and Maisongrande P., Interannual variations in degree-two Earth's gravity coefficients C2,0, C2,2 and S2,2 reveal large-scale mass transfers of climatic origin, *Geophys. Res. Lett.*, 40, 1-6, doi:10.1002/grl.50772, 2013.
10. Prandi P., Ablain M., Cazenave A. and Picot N., Sea level variability in the Arctic Ocean observed by satellite altimetry, in revision, *Ocean Sciences*, 2013.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. Cazenave A. and Remy F., Sea level and Climate: observation and causes of changes, *Wiley Interdisciplinary Reviews : Climate Change*, vol.2, 647-662, 2011.

24. 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.
25. 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.gloplacha.2010.10.011, 2011.
26. 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.
27. 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.gloplacha.2010.10.008, 2011.
28. 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.
29. Nicholls R. and Cazenave A., Sea level change and the impacts in coastal zones, *Science*, 328, 1517-1520, 2010.
30. 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.
31. Cazenave A. and W. Llovel, Contemporary sea level rise, *Annual Rev. of Marine Sciences*, 2, 145-173, 2010.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.

45. 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.
46. 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.
47. 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.
48. 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.
49. 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.
50. 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.
51. 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.
52. 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.
53. 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.
54. 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.
55. Zakharaeva E., A. Kouraev and A. Cazenave, Amazon river discharge estimated from the Topex/Poseidon altimetry, *C.R. Geosciences*, 338, 188-196, 2006.
56. 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.
57. Enjolas 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.
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