

Publications

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1 Articles avec comité de lecture.

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2 Livres et chapitres de livres

1. **Lead Editor** of the book *Undertanding the Diversity of Planetary Atmospheres*, F. Forget, O. Korablev, J. Venturini, T. Imamura, H. Lammer, M. Blanc, Springer, Space Science Reviews Topical Collection (2020, in preparation).
2. **Editor** of *The Atmosphere and Climate of Mars*, R. M. Haberle, R. T Clancy, F. Forget, M. D. Smith, R. W. Zurek. 644 pages. Cambridge University Press (2017).
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3 Vulgarisation

- Création de l'**exposition** *Climats, eau, vie : la Terre, une exception dans l'Univers ?* (<http://www.ipsl.fr/expoplanetes>) : Exposition posters conçue pour les lycées, collèges, médiathèques. 13 panneaux A2 accompagnés de fiches d'accompagnement, distribués dans les lycées et librement téléchargeables. Exposition réalisée dans le cadre de l'année mondiale de l'Astronomie 2009 en collaboration avec L'IPSL, l'académie de Versailles, Science à l'école.
- Ecriture du **livre grand public** *La planète Mars, histoire d'un autre monde*, en collaboration avec F. Costard et P. Lognonne, Edition Belin) :
 - Mars 2006 : Nouvelle édition revue et augmentée (160 pages).
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 - Grand prix du festival du film et du livre scientifique d'Orsay, 2004.
 - Traduit en anglais : *Planet Mars, the story of another world*, Edition Springer New-York, Praxis. 2007.
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- **Chapitre du livre grand public** *Système solaire et planètes : Mars, Vénus, Mercure : l'exploration des planètes telluriques* (35 pages). Editeur : Ellipses (2009).
- Coordination scientifique du numéro spécial de *Pour la Science* : **"Mars Embarquement immédiat"** en Juillet 2014 (avec le journaliste Loic Mangin). Inclue :
 1. **Forget, F.** "Pourquoi Mars ?" (avant propos)
 2. **Forget, F.** "Des changements climatiques d'ampleur" (article)
- **Autres publications grand public** :
 3. **Forget, F.** "Le complot lunaire". *La Quinzaine, Lettre art et idée* n°1214, 15 mai 2019.
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 9. **Forget, F.** “Eau sur Mars : privilégier la science plutôt que le buzz (opinion,) *Ciel & Espace* 544 (novembre-décembre 2015).
 10. **Forget, F.** : "Exobiologie : L'eau et la vie sur Mars", Hors-série *Sciences et Avenir L'Exobiologie*, 2007.
 11. Mangold, N. and **Forget, F.** : “La nouveau Visage de la planète Mars". *La Recherche*, 8 pages, Novembre 2007
 12. **Forget, F.** : "Des écoulements sur Mars de nos jours ?", *Pour la Science*, Février 2007.
 13. **Forget, F.** : “Mars, une planète à part.", Hors-série *Sciences et Avenir La dixième planète* , janvier 2006.
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 15. **Forget, F.** : Chapitre “Des berceaux pour la vie extraterrestre” dans le livre *Sur les traces du vivant, de la Terre aux étoiles*”, sous la direction de F. Raulin-Cerceau, P. Léna et J. Schneider, Editions Le Pommier, 2002.
- **Audiovisuel (Sélection) :**
 - Contribution à la création de la série de documentaire “*L’Odyssée interstellaire*” de Vincent Amouroux (pour Arte et chaînes internationales), sur les planètes extrasolaires (participation au scénario, conseil sur les animations 3D, tournage en Islande et à l’Observatoire de Paris). Première diffusion les 11 et 17 août 2019 sur Arte.
 - Chronique sur Youtube “L’Homme a-t-il vraiment marché sur la Lune?” pour la série *Les idées claires* (France Info - France Culture), 26 septembre 2018 (31 000 vues et 237 commentaires au 31/08/2019).
 - Contribution à la création du documentaire “*Et si la Terre était Unique?*” de Laurent Lichtenstein, Bruno Bucher et Serge Brunier (Production Point du jour pour France Television) (tournage au Mexique en Mai 2019).
 - Contribution à la série documentaire “*Entre Terre et Ciel*” (ARTE) présentée par Serge Brunier. Tournage à l’Observatoire du Pic du Midi pour l’épisode 4. Première diffusion le 2 août 2014.

4 Conférences invitées dans des congrès internationaux

En commençant par les 9 plus “prestigieuses”, puis par ordre chronologique inverse.

1. Forget, F. Building virtual planets with global climate models : a scientific endeavour (David Bates Medal Lecture). **Présentation invitée** EGU General Assembly 2014, 27 April - 2 May, 2014, Vienna, Austria.

2. Forget, F. Active other worlds in the Solar System and beyond. **Présentation invitée** (session plénière de l'EGU), EGU General Assembly 2016, 17-22 Avril 2016, Vienna, Austria.
3. Forget, F. The Planet Mars through time. **Présentation invitée**, The Kavli Prize Symposium in Astrophysics, Oslo, Norway, september 2012.
4. Forget, F. Understanding habitability on the pathways to habitable planets. **Présentation invitée** (conférence inaugurale), Conférence Internationale "Pathways toward habitable planets", Berne, Suisse, 13-17 juillet 2015.
5. Forget, F. Climate of Mars and other planets **Présentation invitée** American Physical Society March Meeting 2013 Baltimore, Maryland (USA), 18-22 Mars 2013.
6. Forget, F. What does Obliquity do to the Climate ? **Présentation invitée**, Eighth International Conference on Mars, held July 14-18, 2014 in Pasadena, California. LPI Contribution No. 1791, p.1318
7. Forget, F. "Evolution of planetary atmospheres and climates : an introduction". **Présentation invitée**, First American-French "Frontiers of Science" Symposium, Roscoff, Novembre 2008.
8. Forget F. "Beyond the solar system : Exploring Exoplanets From Space". **Présentation invitée**, 30th Planetary congress, Association of Space Explorers (rassemblement des Astronautes professionnels). Toulouse, France, October 16-20 2017.
9. Forget F., "Integration report and Synthesis on Mars Climate". **Présentation invitée** : résumé et conclusion de la conférence en session plénière (800 participants), Ninth International Conference on Mars, 22-25 July, 2019, Pasadena, California, USA.
10. Forget F., E. Millour, S. Lebonnois, A. Spiga, S. Guerlet. Numerical modelling of planetary atmospheres and climates. **Présentation invitée**, Highlights and prospects for numerical astrophysics. 8-11 Oct 2018, Lyon, France.
11. Forget F., Current Mars Weather and Climate. **Présentation invitée**, 42nd COSPAR Scientific Assembly. Held 14-22 July 2018, in Pasadena, California, USA,
12. Forget et al., Climatology legacy of the Mars Express mission. **Présentation invitée**, 42nd COSPAR Scientific Assembly, 14-22 July 2018, Pasadena, California, USA,
13. Forget, F., The Challenge of Modelling Mars Climate and Glaciers at High Obliquity. **Présentation invitée**, Mars Workshop on Amazonian and Present Day Climate, June 18-22, 2018, Lakewood, Colorado, USA.
14. F. Forget., Evolution of the Martian Climate. **Présentation invitée**, 52nd ESLAB Symposium - Comparative Aeronomy and Plasma Environment of Terrestrial Planets 14-18 May 2018, ESA/ESTEC, Noordwijk, The Netherlands
15. Forget, F., On the challenge of modeling planetary climates and habitability. **Présentation invitée**, Oort Workshop "Planet Habitability and the Search for Life outside the Solar System". Leiden, 23-24 April 2018, The Netherlands.
16. Forget F. "Definition and characterization of the Habitable Zone". **Présentation inaugurale**, Laramie, Wyoming, USA, November 13-17 2017.
17. Forget F. Turbet M. Millour E. Kerber L. Wordsworth R. D. Head J. W. "On the Challenge of Simulating the Early Mars Environment with Climate Models", **Présentation invitée**, Fourth Conference on Early Mars. Flagstaff, Arizona, October 2-6, 2017.

18. Forget, F., “Atmospheric dust on Mars : a review”. **Présentation invitée**, International Conference on Environmental Systems in Astronautic. Charleston, 17-22 Juillet 2017.
19. Forget, F. “Modelling the Present and Past Climates of Mars”. **Présentation invitée**, 1st IUGG Symposium on Planetary Science Berlin, July 3-5, 2017.
20. Forget, F. “Building virtual planets with global climate models : a scientific endeavour”. **Présentation invitée**, The Wenner-Gren Foundations International Symposium “Planetary atmospheres : on Earth, in the solar system, and on exoplanets” Stockholm, June 14-17, 2017
21. Forget, F. Terrestrial planets and atmospheric circulations. **Présentation invitée**, “Diversity of planetary circulation regimes, in our Solar system and beyond”, Les Houches, France, Mars 6-10 2017.
22. Forget, F., Planetary habitability. **Présentation invitée** JSPS Symposium : “Origin and diversity of planetary systems from the microscope to the telescope” February 20-23, 2017, Villefranche sur Mer, France
23. Forget, F. Mars Polar Caps. **Présentation invitée** ESA International Workshop. “Ices in the Solar System”. 23-26 January 2017, Madrid, Spain.
24. Forget, F. Possible climates on terrestrial planets. **Présentation invitée** International Conference : “Search for Life : From Early Earth to Exoplanets” (Rencontres du Vietnam) December 11-16, Quy Nhon, Vietnam
25. Forget F., Mars Atmosphere. **Présentation invitée** (invited review), 2nd Annual EMM Science Workshop Monday October 3rd, 2016 The Westin Dubai, Al Habtoor City, Emirats Arabe Unis
26. F. Forget. The Exomars Trace Gas Orbiter. **Présentation invitée** Workshop ”Methane on Mars”, California Institute of Technology (December 7-11, 2015).
27. Forget, F. The Future of Planetary Global Climate Modeling. **Présentation invitée**, Comparative Climatology of Terrestrial Planets II. NASA Ames Research Center, Moffett Field, CA, USA. 8-11 Septembre 2015.
28. Forget, F. The climates of planet Mars controlled by a chaotic obliquity. **Présentation invitée**, International Workshop in astronomy and dynamics. April 28-30 2015. Paris, France.
29. Forget, F. On the Challenge of Understanding the Early Mars Environment with Climate Models **Présentation invitée**, 46th Lunar and Planetary Science Conference, March 16-20, 2015 in The Woodlands, Texas. LPI Contribution No. 1832, p.2982
30. Forget, F. Habitable zone around M-Dwarf **Présentation invitée** Spirou Science Meeting, 22-25 september 2014, Paris, France
31. Forget, F. Possible climates on terrestrial planets. **Présentation invitée** International Conference “Exoplanetary Sciences”, (Rencontres du Vietnam) April 20-26, 2014, Quy Nhon, Vietnam.
32. Forget, F. Water on Mars and the water cycle. **Présentation invitée**, Mars international workshop 4, Les Houches, France, 20-25 Octobre 2013.
33. Forget, F. Can Global Climate Models simulate all terrestrial planets in the solar system and beyond ? **Présentation invitée** Crossing Boundaries in Planetary Atmospheres : From Earth to Exoplanets AGU Chapman Conference Annapolis, MD (USA), 24-28 juin 2013.

34. Forget, F. Possible climates on terrestrial exoplanets **Présentation invitée** Royal Society Discussion Meeting : “Characterising exoplanets : detection, formation, interiors, atmospheres and habitability” 11-12 Mars 2013
35. Forget F., Extending a Global Climate Model to the thermosphere and ionosphere : the case of the LMD Mars GCM. **Présentation invitée** Colloque : “From the stratosphere to the ionosphere : coupling, boundary conditions and assumptions”. Paris, 26-28 Novembre 2012.
36. Forget, F. “Global climate models of the terrestrial planets”. **Présentation invitée** Comparative Climatology of Terrestrial Planets Meeting. Boulder, USA, June 25-28, 2012
37. Forget F. “Modeling the global early martian climate and water cycle”. **Présentation invitée**, Third International conference on early Mars. Lake Tahoe, Nevada, USA, Mai 2012..
38. Forget F., Extraterrestrial physics on planet Mars. **Présentation invitée**, XVIIIth Symposium on Atomic, Cluster and Surface Physics, L’Alpe d’Huez, 22-27 janvier 2012.
39. Forget, F. “Applying GCM to terrestrial exoplanets”. **Présentation invitée**, General Circulation Models applied to Exoplanets Workshop, Exeter, UK, 5-7 December 2011
40. F. Forget, “Results from the The Fourth International Workshop on the Mars Atmosphere : Modelling and observations” **Présentation invitée** Mars Exploration Program Analysis Group meeting Lisbon, June 16th -17th 2011
41. F. Forget, A. Spiga, L. Montabone E. Millour, A. Colaitis, V. Bourrier F. Gonzalez-Galindo S. R. Lewis, S. Portigliotti New Tools and Methods to fully Characterize the Atmospheric Environment for a Martian EDL. Application to the 2016 Exomars Descent Module. **Présentation invitée** 8nd International Planetary Probe Workshop, Portsmouth, VA, June 6-10, 2011
42. Forget F., “Cycles of the hydro-atmosphere” **Présentation invitée** ISSI-Europlanet Workshop : Quantifying the Martian geochemical reservoirs, Bern, Switzerland, 11 - 15 April 2011
43. Forget, F. “Global circulation models applied to exoplanets” **Présentation invitée**, “Exo-climes 2010, Exploring the Diversity of Planetary Atmosphere” Conference. Exeter, UK, September 7-10 2010.
44. Forget, F. Meteorology on Mars : extraterrestrial fluid dynamics. **Présentation invitée** 4th European Postgraduate Fluid Dynamics Conference, Paris, July 3-7, 2010
45. Forget, F. Mars Climate. **Présentation invitée**, Mars international workshop 3, Les Houches, France, 28 March- 2 April 2010.
46. Forget, F. Martian Climate : from the Past to the Present. **Présentation invitée** CPS 6th International School of Planetary Sciences Planetary Atmospheres, Kobe, Japan, January 2010.
47. Forget, F. “Habitability of Planets” **Présentation invitée**, “Pathways toward habitable planets” Conference. Barcelona, Spain, September 2009.
48. Forget F. Martian atmosphere - current knowledge and future major pathways of investigations”. **Présentation invitée** METNET Meeting, Helsinki, Finland, january 2009.
49. Forget, F. The water cycle on Mars. **Présentation invitée**, Water workshop, Helmholtz Alliance ’Planetary Evolution and Life’, Berlin, January 05-06, 2009.

50. Forget, F. The recent history of Mars water activity as deduced from GCM simulations. **Présentation invitée**, "Mars Water Cycle Workshop" (Paris, France), Avril 2008.
51. Forget, F. Basic physics of planetary atmospheres. **Présentation invitée**, "Physics and Astrophysics of Planetary Systems", Les Houches, France, Février 2008.
52. Forget, F. Climatologie comparée : Evolution des climats sur les planètes telluriques du système solaire. **Présentation invitée**, Ecole thématique "Les Climats du pré-quaternaire : des premières glaciations jusqu'à l'apparition des premiers hominidés", Propriano, octobre 2007.
53. Forget, F. Modeling of the general circulation on terrestrial planets. **Présentation invitée**, International Union of Geodesy and Geophysics, Perugia, Italy, July 2007.
54. Forget, F. ; Montmessin, F. ; Levrard, B. ; Haberle, R. ; J. Head ; J.-B. Madeleine. Ice cap, glaciers and gullies : the effect of obliquity on Martian Climate. **Présentation invitée**, Fourth International Conference on Mars Polar Science and Exploration Davos, Switzerland, October 2006.
55. Forget, F. ; Montmessin, F. ; Levrard, B. ; Haberle, R. ; J. Head. Climatic Evolution of Mars. **Présentation invitée**, European Planetary Science Congress. Berlin, Germany, September 2006.
56. F. Forget, S. Lebonnois, F. Hourdin, P. Rannou, F. Montmessin Comparative climate models of terrestrial planets and outer satellites **Présentation invitée**, Asia Oceania Geoscience Society 3rd Annual Meeting, Singapore, July 2006.
57. Forget, F. Mars Atmosphere : Structure and Features, and Interaction with the Surface. **Présentation invitée**, Asia Oceania Geoscience Society 3rd Annual Meeting, Singapore, July 2006.
58. Forget, F., Climate and Habitability on Early Mars. **Présentation invitée**, Workshop on "Strategies for Life Detection" ISSI, Bern, Switzerland, April 2006.
59. Forget, F. ; Levrard, B. ; Montmessin, F. ; Haberle, R. M. ; Head, J. W. Glaciers, ice mantling, gullies and polar caps on Mars : a model-based scenario for the Amazonian climates and geology. **Présentation invitée** American Geophysical Union, Fall Meeting 2005, abstract P34A-08, December 2005.
60. Forget, F. Evolution of the Atmospheres and Climates of Venus and Mars. **Présentation invitée** Workshop on "Geology and Habitability of Terrestrial Planets" ISSI, Bern, Switzerland September 2005
61. F. Forget. Mars past and present Climate. **Présentation invitée**, Mars international workshop 2, Les Houches, France, May 2005.
62. Forget, F., Mars climate with a thicker atmosphere : Applications to the Noachian and Hesperian. **Présentation invitée**, *Vernadsky-Brown Microsymposium 41 on Climate Change in Mars History*. Lunar and Planetary Institute, Houston, March 2005.
63. F. Forget. Key issues in Mars atmosphere and climate. **Présentation invitée**, 1st Mars Express International Conference, ESTEC, Février 2005.

64. Forget, F. Evolution of the early Mars Climate **Présentation invitée** *Second international conference on Early Mars*, Jackson Hole, Wyoming, USA, Octobre 2004.
65. Forget, F. ESA's Mars Program : European Plans for Mars Exploration **Présentation invitée**, 2nd International Planetary Probe Workshop NASA Ames research Center, Moffett Field, august 2004
66. Forget, F. and the MAMBO team A submm sounder for the exploration of Mars **Présentation invitée**, 35th COSPAR Scientific Assembly, Paris, july 2004.
67. Forget, F. and the Omega, Spicam, PFS, and MaRS teams Analysis of the Mars Express meteorological observations : interpretation with a Global Climate Model **Présentation invitée**, 35th COSPAR Scientific Assembly, Paris, july 2004.
68. Forget, F. and the Mars GCM teams. Martian Global Climate Modelling : an introduction for the non-experts and a review of the various models in development around the world **Présentation invitée**, 35th COSPAR Scientific Assembly, Paris, july 2004.
69. Forget F. Climate Change on Mars **Présentation invitée** XVIeme rencontre de Blois "Challenges in the climate sciences" May 23-28, 2004 .
70. Forget, F., The Mars Express mission and Mars polar Science **Présentation invitée** at the *Third International Conference on Mars Polar Science and Exploration*. (Alberta, Canada), October 2003.
71. Forget, F (and the Mars Premier teams), Atmospheric Science and the CNES Mars PREMIER mission **Présentation invitée**, 34th COSPAR Scientific Assembly, Houston, USA, october 2002.
72. Forget, F. Models and simulations for climatic and meteorological studies. **Présentation invitée**, 36th ESLAB Symposium "Earth-like planets and Moons", Noordwijk, The Netherlands, june 2002.
73. Forget, F. Mars atmosphere thermal structure and circulation **Présentation invitée** au *2nd Netlander scientific workshop*, Nantes, France, april 2001.
74. Forget, F. Evolution of the early Mars Climate. **Présentation invitée** *The second international conference on Mars polar science and exploration*, Reyjavik, Islande, 2000.
75. Forget, F. Climat et conditions pour la vie sur d'autres planetes. **Présentation invitée** à la conférence *La vie dans l'univers*, Fondation des Treilles, 1999.
76. Forget, F.. Circumstellar Habitable Zones. **Présentation invitée** à l'Euro-conférence "*Extrasolar Planets : Formation, Detection and Modelling*", Lisbonne, 27 avril–1er mai 1998.
77. Forget, F.. Intercomparison of GCM simulations at winter solstice with dust storm conditions. **Présentation invitée** au *Mars GCM intercomparison workshop* (Oxford, UK), 1996.
78. Forget. , F. Mars CO₂ ice seasonal polar caps. **Présentation invitée** au symposium "*Solar system ice*", Toulouse, 1995.

5 Autres Communications à des conférences (en premier auteur)

Pluton et Triton

- Forget F. and T. Bertrand, Modeling Nitrogen and Methane Ices and Glaciers on Pluto over Diurnal, Seasonal, and Astronomical Timescales. Oral Presentation at the conference “Pluto System After New Horizons”, 14-18 July, 2019, Laurel, Maryland, USA.
- Forget, F and T. Bertrand. Numerical Modeling of Pluto’s glaciers, frosts and atmosphere to interpret New Horizons observations. Oral Presentation at the 42nd COSPAR Scientific Assembly, 14-22 July 2018, Pasadena, California, USA.
- Forget, F., Bertrand, T., Vangvichith, M., Leconte, J. (2015) A 3D Global climate model of the Pluto atmosphere to interpret New Horizons observations, including the N₂, CH₄ and CO cycles and the formation of organic hazes. Communication orale au 47eme Annual Division for Planetary Science (DPS) meeting (National Harbor, USA). AAS/Division for Planetary Sciences Meeting Abstracts 47, #105.12.
- Forget F., Vangvichith M., Bertrand T. (2014) What will Pluto’s atmosphere look like? Predictions from a Global Climate Model including the methane cycle. Communication orale, American Geophysical Union, Fall Meeting 2014, abstract P31E-08
- Forget F. and M. Vangvichith, 3D modelling of the methane cycle on Pluto. Communication orale à la “Scientific Conference : The Pluto system on the eve of exploration by New Horizons” Laurel, Maryland (USA). 22-26 juillet 2013.
- Forget F. and M. Vangvichith, Pluto Global Climate Models including the CH₄ Cycle (2012) Communication orale au *Pluto/Charon Atmospheres Workshop* November 29-30, 2012, Johns Hopkins University, USA
- Forget, F., Modelling Climate and Meteorology on Pluto and Triton. Communication orale au *Workshop 3eme Zone*, Nantes, Janvier 2007.
- Forget, F., N. Decamp, J. Berthier, C. Le Guyader A new model for the seasonal evolution of Triton. Communication orale au 32eme Annual Division for Planetary Science (DPS) meeting (Pasadena, USA). *Bull. Am. Astron. Soc.*, 32 :1082, 2000.
- Forget, F., N. Descamp and F. Hourdin, A 3-D General Circulation Model of Triton’s Atmosphere and Surface. Oral communication at the *Pluto and Triton : Comparison and evolution over time* workshop (Flagstaff, USA), september 1999.

Généralités, Planètes extrasolaires

- F. Forget Can we anticipate the diversity of planetary atmospheres ? Oral Presentation, “Understanding the Diversity of Planetary Atmospheres” ISSI Workshop, Bern, November 12-16, 2018
- Forget, F. Modelling Exoplanetary Climates and Habitability. Communication Orale, International Workshop "Star Planet interactions and the Habitable Zone", Saclay, France, 18-21 Novembre 2014.
- Forget, F. On the diversity of terrestrial planets : possible atmospheres, climate modelling and climate unstabilities. EChO Open Science Workshop. ESA-ESTEC (the Netherlands), 1-3 juillet 2013.
- Forget, F. Habitabilité et climats sur les exoplanetes Communication Orale, Atelier Formule de Drake, Paris, 21-22 Novembre 2011
- Forget, F. “3D global climate modelling of planetary atmosphere and application to Echo” Exoplanet Characterization Observatory (EChO), International Workshop, Meudon, March 24 (2011)

Mars (missions spatiales)

- F. Forget, J.T. Schofield, D. M. Kass, A. Kleinböhl, D. J. McCleese, M. A. Allen, M. C. Foote, E. Millour, A. Spiga, O. Talagrand, S. B. Calcutt, P. G. J. Irwin, P. L. Read, S. R. Lewis, T. Fouchet, F. Lefèvre, A. Määttänen, J. R. Barnes, S. W. Bougher, and R. M. Haberle The Exomars Climate Sounder (EMCS) Investigation Communication orale au EPSC-DPS joint meeting meeting (Nantes, 02-07 october 2011).
- F. Forget and M. Capderou. A Simple Analytical Equation to Accurately Calculate the Atmospheric Drag During Aerobraking Campaigns. Validation in the Martian Case. Oral presentation, 8nd International Planetary Probe Workshop, Portsmouth, VA, June 6-10, 2011
- Forget, F., Spiga, A., Montabone, L., Millour, E., Colaitis, A., Bourrier, V., Portigliotti, S. Characterizing the Martian atmosphere for the Exomars 2016 Lander. Poster Presentation at The Fourth International Workshop on the Mars Atmosphere : Modelling and observation, held 8-11 February, 2011.
- Forget, F. et al. Microwave sounding of the Martian atmosphere from an ExoMars orbiter Communication at the “European Mars Science and Exploration Conference : Mars Express and ExoMars” (ESTEC, Noordwijk, The Netherlands), November 2007.
- Forget, F. and the MAMBO team “MAMBO : the Mars Atmosphere Microwave Brightness Observer”. Oral communication at the “Mars atmosphere modelling and observations” workshop (Granada, Spain), january 2003.
- Forget, F. and the MAMBO team "Microwave sounding of the Martian atmosphere with MAMBO" Oral communication at the XXVII General Assembly of the European Geophysical Society meeting (Nice, France), April 2002.
- Forget, F. et al. (15 co-authors) Microwave sounding of the martian atmosphere : the “Kelvin” microsatellite project. Oral communication at the XXV General Assembly of the European Geophysical Society meeting (Nice, France), April 2000.
- Forget, F. and 20 coauthors. The Kelvin/MIMAS microsatellite project : the case for microwave sounding of the martian atmosphere. Présentation orale au *Mars Micromission Workshop*, Symposium international CNES. Paris, 1999.
- Forget, F. The poorly known mars middle atmosphere : models, upcoming observations and Dynamo. Présentation orale au *Dynamo international Workshop*. Paris 1999.
- Forget, F., E. Chassefiere, G Beaudin, M. Gheudin, P. Drossart and E. Lellouch. Kelvin : a meteorological satellite for Mars. Communication orale au *Mars micromission Workshop*, Arcadia, Californie, 1998.
- Forget, F., F. Hourdin, and O. Talagrand. Mars Pathfinder meteorological observations on the basis of results of an atmospheric general circulation model. *LPI Technical Report 94-04, 27–28*. Communication orale au *Mars Pathfinder landing site workshop* (Houston), 1994.

Mars (géologie et climats passés)

- Forget, F., C. Pilorget, A. Pottier, P-Y. Meslin Deep incision of the Latitude Dependent Mantle in Martian Gullies formed by CO₂ Sublimation processes. Second International Workshop on Martian Gullies. The Geological Society, London, England, 20-21 June 2016.
- Forget, F. and C. Pilorget CO₂-Driven Formation of Gullies on Mars. Oral communication at the 46th Lunar and Planetary Science Conference, held March 16-20, 2015 in The Woodlands, Texas. LPI Contribution No. 1832, p.2471

- Forget, F. Recent glaciation on Mars : recent results from global and local climate modelling. Présentation Orale. 3rd Planetary Cryosphere Workshop. Nantes, 26-28 January 2015.
- Forget F. Mars climate changes as simulated by traditional global climate models. Oral communication at the Mars Recent Climate Change Workshop. NASA Ames Research Center, California, May 15-17, 2012.
- Forget, F. ; Wordsworth, R. ; Millour, E. ; Madeleine, J-B ; Charnay, B. Modeling the Early Martian Climate, Water Cycle and Habitability Oral communication at the ESA international workshop : “Exploring Mars Habitability” Lisbon, June 13th -15th 2011
- Forget, F., Madeleine, J.-B., Wordsworth, R., Millour, E., Head, J. W. 2011. The History of Mars Glaciers, High Latitude Ice Mantling and Polar Layered Deposits Investigated with Global Climate Models. Communication à la Fifth International Conference on Mars Polar Science and Exploration, held September 12-16, 2011 in Fairbanks, Alaska. LPI Contribution No. 1323, p.6061 (2011)
- Forget, F., Wordsworth, R., Millour, E., Madeleine, J., Eymet, V.; Haberle, R. M. 3D Modeling Of The Early Martian Climate And Water Cycle Communication orale au 42eme Annual Division for Planetary Science (DPS) meeting (Pasadena, USA). *Bull. Am. Astron. Soc.*, 42 :1047, 2010.
- Forget, F., Madeleine, J.-B., Spiga, A., Mangold, N., Costard, F. Formation of Gullies by Local Melting of Water Ice : Clues from Climate Modelling. Oral communication at the “Workshop on Martian Gullies”. (Houston, USA), February 4-5, 2008.
- Forget, F., F. Montmessin, B. Levrard, R.M. Haberle, J. W. Head, J.-B. Madeleine Glaciers, polar caps and ice mantling : the effect of obliquity on Martian climate. Oral communication at the “Seventh International Conference on Mars” (Pasadena, USA), July 2007.
- Forget, F. ; Montmessin, F. ; Levrard, B. ; Mangold, N. ; Costard, F. ; Haberle, R. M. ; Head, J. W., III Modelling Mars past water cycle : glacier, ice mantling, gullies and polar caps. Oral communication at the “2nd Mars atmosphere modelling and observations” workshop (Granada, Spain), March 2006.
- Forget, F., Climate model simulations of past climate on Mars : Recent glacier formation. Oral Presentation, *Vernadsky-Brown Microsymposium 41 on Climate Change in Mars History*. Lunar and Planetary Institute, Houston, March 2005.
- Forget, F., F. Montmessin, B. Levrard High resolution simulations of Martian tropical glaciers. 1st Mars Express International Conference, ESTEC , Fevrier 2005.
- Forget, F. ; Haberle, R. M. ; Montmessin, F. ; Cha, S. ; Marcq, E. ; Schaeffer, J. 3D simulations of the early Mars climate with a General Circulation Model. American Geophysical Union, Fall Meeting 2004, abstract P11A-0964 (2004)
- Forget, F. ; Haberle, R. M. ; Montmessin, F. ; Cha, S. ; Marcq, E. ; Schaeffer, J. 3D simulations of the early Mars climate with a General Circulation Model Oral communication at the 1st General Assembly of the European Geophysical Union (Nice, France), April 2004.
- Forget F., N. Mangold F. Costard. Scenarios to explain the formation of gullies on Mars : numerical simulation with a climate model. Oral communication at *the Sixth International Conference on Mars*. (Pasadena, USA), July 2003.
- Forget, F., R.M. Haberle, F. Montmessin, S. Cha, E. Marcq, J. Schaeffer, Y. Wanherdrick. 3D simulations of the early Mars climate with a General Circulation Model. Communication at the *Third International Conference on Mars Polar Science and Exploration*. (Alberta, Canada), October 2003.
- Forget, F. , R. M. Haberle, E. Marcq, A. Colaprete, J. Schaeffer, Y. Wanherdrick Simulation of the early Mars climate with a General Circulation Model. Oral communication at the XXVII General Assembly of the European Geophysical Society meeting (Nice, France), April 2002.

- Forget F., F. Costard, N. Mangold, and J. P. Peulvast. Formation of Recent Martian Debris Flows by Melting of Near-Surface Ground Ice at High Obliquity. Communication orale au 33eme Annual Division for Planetary Science (DPS) meeting (New Orleans, USA). *Bull. Am. Astron. Soc.*, 33 :1129, 2001.
- Forget, F. and R.T. Pierrehumbert. Warming early Mars with scattering clouds. *Bull. Am. Astron. Soc.*, 29 :977, 1997. Communication orale au 29eme Annual Division for Planetary Science (DPS) meeting (Cambridge, USA).
- Forget, F. and R.T. Pierrehumbert Warming early Earth and Mars with scattering CO₂ ice clouds. Présentation orale au IXeme rencontre de Blois “Planetary System, the long view”. (Abstract Book, p49) 1997.

Mars (Climat et atmosphère)

- Forget, F., Banfield D., Millour E., Spiga, A., Newman C., Viudez-Moreiras D., Pla-Garcia J., Navarro S., Mora-Sotomayor L., Torres, J., Rodriguez-Manfredi, J. A., Lewis, S., Lorenz R., Lognonne P., Banerdt W. B. Large Scale Winds and Pressure Variations Observed by InSight. Oral Presentation at the “Ninth International Conference on Mars”, 22-25 July, 2019, Pasadena, California, USA.
- Forget et al. Major Challenges In Mars Climate Modeling : Dust, Clouds And Waves. Communication orale, The Sixth International Workshop on the Mars Atmosphere : Modelling and Observation, held on January 17-20 2017, in Granada, Spain.
- Forget et al. Simulating the Mars Climate with the LMD Mars Global Climate Model : validation and issues. Communication orale, The Fifth International Workshop on the Mars Atmosphere : Modelling and Observation, held on January 13-16 2014, in Oxford, U.K.
- F. Forget, J-B. Madeleine, E. Millour, A. Colaitis, A. Spiga, L. Montabone, J-Y Chaufray, F. Lefèvre, F. Montmessin, A. Määttänen, F. Gonzalez-Galindo, and M-A. Lopez-Valverde Understanding Mars meteorology using a "new generation" Mars Global Climate Model. Communication orale au EPSC-DPS joint meeting meeting (Nantes, 02-07 october 2011).
- Forget, F., and 13 colleagues 2011. Back to The Basics : Improving the Prediction of Temperature, Pressure and Winds in the LMD General Circulation Model. Oral presentation at The Fourth International Workshop on the Mars Atmosphere : Modelling and observations, held 8-11 February, 2011.
- Forget, F., A.L. Sprague and W.V. Boynton Argon : The mixing standard for methane in Mars atmosphere Oral communication at the ESA-ASI “Workshop on Methane on Mars” Frascati, Italy, November 2008.
- Forget F. Dust vertical distribution and size as simulated by the LMD General Circulation Model Oral communication at the “Mars dust cycle” workshop (Mountain View, USA), September 2009.
- Forget F., Millour E., Montabone L., Lefevre F. Non Condensable Gas Enrichment and Depletion in the Martian Polar Region. Oral communication at the “3rd Mars Polar Energy Balance and the CO₂ cycle” workshop (Seattle, USA), July 2009.
- Forget F., Millour E., Montabone L., Lefevre F. Non Condensable Gas Enrichment and Depletion in the Martian Polar Region. Oral communication at the “3rd Mars atmosphere modelling and observations workshop” (Williamsburg, USA), November 2008.
- Forget F., Millour E., Gonzalez-Galindo F. Lebonnois S. Madeleine J-B., Meslin P.-Y., Montabone L., Spiga A., Hourdin F., Lefevre F., Montmessin F., Lewis S. R., Read P., Lopez-Valverde M. A., Gilli G. Modeling the Martian Atmosphere with the LMD Global Climate Model Oral communication at the “3rd Mars atmosphere modelling and observations workshop” (Williamsburg, USA), November 2008.

- Forget F., Millour E., Gonzalez-Galindo F. Lebonnois S. Madeleine J-B., Meslin P.-Y., Montabone L., Spiga A., Hourdin F., Lefevre F., Montmessin F., Lewis S. R., Read P., Lopez-Valverde M. A., Gilli G. Modeling the Martian Atmosphere with the LMD Global Climate Model Oral communication at the “3rd Mars atmosphere modelling and observations workshop” (Williamsburg, USA), November 2008.
- Forget, F., E. Millour, J-B. Madeleine, F. Lefèvre, F. Montmessin. Simulation of the Mars Water Cycle with the LMD Mars GCM. Oral presentation at the “Mars Water Cycle Workshop” (Paris, France), Avril 2008.
- Forget, F. Modelling the present Mars climate system as observed by Mars Express. Oral presentation at the “European Mars Science and Exploration Conference : Mars Express and ExoMars” (ESTEC, Noordwijk, The Netherlands), November 2007.
- Forget, F. et al. The density and temperatures of the upper Martian atmosphere measured by stellar occultations with Mars Express SPICAM. Communication at the “European Mars Science and Exploration Conference : Mars Express and ExoMars” (ESTEC, Noordwijk, The Netherlands), November 2007.
- Forget, F., Lebonnois, Gonzalez-Galindo, F., , Quemerais, E. ; Bertaux, J. L., Montmessin, F., Dimarellis, E., Reberac, A., López-Valverde, M. Mars atmosphere density and temperatures between 60 and 130 km observed by Mars Express SPICAM stellar occultation, Communication at the “Seventh International Conference on Mars” (Pasadena, USA), july 2007.
- F. Forget , E. Millour , F. Gonzalez-Galindo, A. Spiga, S.R. Lewis, L. Montabone, P.L. Read, M.A. Lopez-Valverde, G. Gilli, M.-C. Desjean, J.-Paul Huot and the MCD/GCM development team. The new (version 4.2) Mars climate database. Oral communication at the “Seventh International Conference on Mars” (Pasadena, USA), july 2007.
- Forget, F. ; Millour, E. ; Lebonnois, S. ; Montabone, L. ; Dassas, K. ; Lewis, S. R. ; Read, P. L. ; López-Valverde, M. A. ; González-Galindo, F. ; Montmessin, F. ; Lefèvre, F. ; Desjean, M.-C. ; Huot, J.-P. The new Mars climate database Oral communication at the “2nd Mars atmosphere modelling and observations” workshop (Granada, Spain), March 2006.
- Forget, F. ; Montabone, L. ; Lebonnois, S. Modelling the non-condensable gas enrichment in the polar night, Oral communication at the “2nd Mars atmosphere modelling and observations” workshop (Granada, Spain), March 2006.
- Forget, F. ; Lebonnois, S. ; Angelats I Coll, M. ; Quemerais, E. ; Bertaux, J. L. ; Montmessin, F. ; Dimarellis, E. ; Reberac, A. ; López-Valverde, M. A. ; Garcia-Galindo, F. Mars atmosphere density and temperatures between 60 and 130 km observed by Mars Express SPICAM stellar occultation, Oral communication at the “2nd Mars atmosphere modelling and observations” workshop (Granada, Spain), March 2006.
- Forget, F. ; Spiga, A. ; Dolla, B. ; Vinatier, S. ; Lebonnois, S. ; Quemerais, E. ; Montmessin, F. ; Bertaux, J. ; Reberac, A. ; Dimarellis, E. ; Drossart, ; Melchiorri, R. ; Gendrin, A. ; Gondet, B. ; Langevin, Y. ; Bibring, J-P. Meteorology with Omega and Spicam aboard Mars Express. American Geophysical Union, Fall Meeting 2005, abstract P14A-06, December 2005.
- Forget, F. ; Montmessin, F. ; Haberle, R. M. Spatial variation of Methane and other trace gases detected on Mars : interpretation with a General circulation model Oral communication at the 2005 General Assembly of the European Geophysical Union meeting (Vienna, Austria), April 2005.
- Forget, F., Lebonnois, S., Quemerais, E., Bertaux, J. L ; Angelats i Coll, M. ; Gonzalez-Galindo, F. ; Lopez-Valverde, M. A. Vertical profile of the Mars atmospheric temperature and density retrieved from Mars Express SPICAM stellar occultations Oral communication at the 2005 General Assembly of the European Geophysical Union meeting (Vienna, Austria), April 2005.

- F. Forget, E. Quemerais, J-L. Bertaux, S. Lebonnois, A. Reberac and the SPICAM team. Density and Temperature measurements with SPICAM's stellar occultation. Présentation orale. 1st Mars Express International Conference, ESTEC, Février 2005.
- F. Forget et al. (13 co-authors) A new Mars climate database in support of Mars Express Sciences. 1st Mars Express International Conference, ESTEC, Février 2005.
- Forget, F.; Levrard, B.; Montmessin, F.; Schmitt, B.; Douté, S.; Langevin, Y.; Bibring, J.-P. Mars Water Ice and Carbon Dioxide Seasonal Polar Caps : GCM Modeling and Comparison with Mars Express Omega Observations. Oral presentation, 36th Annual Lunar and Planetary Science Conference, March 14-18, 2005,
- Forget, F., Haberle, R. M., Montmessin, F. Spatial Variation of Methane and Other Trace Gases Detected on Mars : Interpretation with a General Circulation Model 36th Annual Lunar and Planetary Science Conference, March 14-18, 2005
- Forget, F. et al. (14 co-authors) A New Model Based Climate Database for the Martian Atmosphere Oral presentation, 2nd International Planetary Probe Workshop NASA Ames research Center, Moffett Field, August 2004
- Forget, F., M. Angelats i Coll, Y. Wanherdrick, F. Hourdin, S. Lewis, P. Read, F. Taylor, M. Lopez-Valverde, M. Lopez-Puertas. "General circulation simulated by the LMD-AOPP GCM : Update on model design and comparison with observations". Oral communication at the "Mars atmosphere modelling and observations" workshop (Granada, Spain), January 2003.
- F. Forget, Y. Wanherdrick, F. Hourdin, O. Talagrand, M. Angelats i. Coll, S. Lewis, P. Read, F. Taylor, C. Newman, S. Bingham), M. Lopez Valverde, M. Lopez-Puertas, J.P. Huot and M.C. Desjean. A model based climate database for the Martian atmosphere. Oral Presentation at the 34th COSPAR Scientific Assembly, Houston, USA, October 2002.
- Forget, F., S. R. Lewis, P. L. Read, F. Taylor, M. López-Valverde, F. Hourdin, F. Jegou, O. Talagrand and Y. Wanherdrick.
Simulation of the upper Martian atmosphere up to 120 km with a General Circulation Model. Oral communication at the XXVI General Assembly of the European Geophysical Society meeting (Nice, France), March 2001.
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