

INTERNATIONAL
CONGRESS
ON OCEAN SAILING
& ENVIRONMENT

28-30 december 2010
BARCELONA

2010 2011
barcelona
world race

CONGRESS PROGRAM

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Credits:

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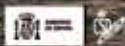
*Debate on the future of
ocean sailing and the
respect for the marine
environment.*



Organization:



Institutions Support:



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Generalitat de Catalunya



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Welcome to Barcelona,

Thank you for taking part at the [I International Congress of Ocean Sailing and the Marine Environment](#), to be held in this cosmopolitan city on the shore of the Mediterranean Sea. For the second time, this welcoming city is staging a round-the-world race, which we have named after the city: [Barcelona World Race](#).

We are very pleased with the significant contributions in all the core thematic areas of the Congress. I would particularly like to thank the speakers involved for providing their talent, knowledge and experience. Thank you also to all those attendees, with diverse profiles, who have shown an interest in this initiative, which Barcelona is holding for the first time and, it is proposed, will continue to host in the future.

The [International Congress of Ocean Sailing and the Marine Environment](#) is being held to complement the [Barcelona World Race](#) and will issue its conclusions the day immediately prior to the start of the race.

We invite you to wave off the vessels taking part in the [Barcelona World Race](#) while seeing the year out in the city of Barcelona, which welcomes you warmly.





Holding the I International Congress of Ocean Sailing and the Marine Environment has meant making the complementary event we envisaged at the start of the [Barcelona World Race](#) project really happen.

Gathering experts from all over the world together in Barcelona immediately prior to the start of the BWR to discuss matters of ocean sailing represents an interesting and useful opportunity to offer a broader view of this sport. The inclusion of environmental matters, directly associated with the sea, is also an ideal complement to the round-the-world race, the start of which we will witness live in Barcelona on 31 December.

We are very proud to welcome some extremely accomplished speakers who will discuss matters that will be of interest principally to an expert audience, but will also arouse the interest of others, who know less about sailing perhaps but who are also concerned about the future health of the oceans.

We have come up with a different type of congress, innovative because of its contents and the way they are approached, and designed to examine all of them in-depth, as we shall other similar contents on future occasions.



I INTERNATIONAL CONGRESS ON OCEAN SAILING & ENVIRONMENT

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Welcome to everyone:
speakers, beginners and
the media. Thank you all
for coming and I wish you
all the best for a job well
done.



At the I International Congress of Ocean Sailing and the Marine Environment our intention is to provide intelligent management and an overview of the sailing industry, ocean sailing and the role of oceans in climate change with a view to advancing towards more coordinated, orderly and compatible models.

The current international situation forces us to plan our future and rise to medium- and long-term challenges that require prior knowledge of how sectors are developing. Only by knowing what has happened in the past will we be ready to take preventive measures and establish realistic sustainability and environmental quality targets.

The challenge right now involves consideration of global environmental risks and of how they are associated with climate change and biodiversity loss. It also involves updating technologies to prompt improvement and competitiveness in the sailing industry sector, all of which is based on the accumulated experience of skippers, their values and the knowledge they need to undertake a voyage around the world.

We are faced with the need to design a new model based on the three core aspects of sustainability: economic, social and environmental.

ECONOMIC:

Theme 1: The vessel

SOCIAL:

Theme 2: The skipper

ENVIRONMENTAL:

Theme 3: Planet Sea

Víctor Montero
Commissioning Director

PROGRAM

28, 29, 30 and 31 december, Barcelona

28 DECEMBER 2010

18:00 > Accreditations.

Place: Center of Interpretation Barcelona World Race
(Moll de Llevant, 1 – Pg. Joan de Borbó - Barcelona).

19:00 > Inauguration of the Exhibition “Eric Tabarly”.
Presentation of the film “Tabarly”, by Pierre Marcel.

21:00 > Barcelona World Race dinner with the presence of all the skippers and the Mayor of Barcelona.

Place: Hotel W – Great Room (Moll de Llevant, 4 – Pg. Joan de Borbó – Barcelona).

Homage to Eric Tabarly, for his influence on the evolution of the ocean sailing, design and construction of racing yachts, by his family, friends and companions of navigation.

Jacqueline Tabarly | **Pierre Bojic** (General Manager Pen Duick) | **Yves Parlier** (Skipper)
Jean Le Cam (Skipper) | **Daniel Gilles** (Journalist).

29 DECEMBER 2010

09:30 > Introduction by Mr. Pere Alcober, President of the FNOB.

Session 1: The Sailing Boat: the instrument for navigation, technological advances in design and materials to make them faster and safer within the framework of the environmental sustainability.

Paolo Manganelli (Gurit) | **Eric Goetz** (Goetz Boats) | **Adrian Gillit** (Green Marine)
Guillaume Verdier (Naval Designer) | **Toni Tió** (North Sails) | Host: **Gary Jobson** (Journalist).

13:30 > Lunch.

15:00 > **Session 2:** The Skipper: the human complement in the preparation of physical and mental efforts to face great challenges in navigation and the protection of the oceans.

Jean-Yves Bernot (Meteorologist, routier) | **Philippe Jeantot** (Skipper) | **Loïck Peyron** (Skipper)
Marc Guillemot (Skipper) | Host: **Pierre Louis Castelli** (Journalist).

I INTERNATIONAL CONGRESS OF OCEAN SAILING AND THE MARINE ENVIRONMENT

30 DECEMBER 2010

09:00 > Session 3: Space of Competition - The Planet Sea: discussion on the future of the marine environment, the protection of the oceans and the effects produced by the climatic change.

Rémi Parmentier (Executive Director Varda Group) | **Hugo Morán** (Environment Federal Secretary -PSOE) | **Mario Rodríguez** (Executive Director Greenpeace) | **Gordon Hamilton** (Glaciologist, University of Maine) | **Maria Hood** (Global Ocean Ship-based Repeat Hydrographic Investigations Program "GO-SHIP") | **Luis Valdés** (Head of Ocean Sciences of IOC -UNESCO) | Host: **Tomàs Molina** (Meteorologist).

VIEW FROM CANCUN

The speakers will report on and assess the results of the COP16 United Nations Climate Change Conference, held in Cancun, Mexico, from 29 November to 10 December 2010.

BARCELONA DECLARATION

The contribution upon which we hope to agree by the end of the congress, with the most significant conclusions and strategies to be promoted in coming years.

We hope it is of help to sector companies, to new entrepreneurs and to any enthusiast interested in finding out where ocean racing and awareness in environmental policies are heading.

31 DECEMBER 2010

10:00 > Departure of the participant boats.

Options to follow-up:

Row of seats – W Hotel

Boats

13:00 > Departure of the round-the-world Barcelona World Race.

*This program is subject to changes or modifications.

ERIC TABARLY: six boats, one life.

Eric Tabarly is one of the sailors who has most contributed to giving the sport of ocean sailing legendary status. Perhaps, however, “activity” would be a more appropriate term than “sport” as there are quite a few people who think that sailing and being propelled by the wind is much more than just a simple sporting pastime. It is a world in itself, an age-old tradition; a life philosophy that prompted Eric Tabarly on his *Pen Duick* boats to be carried away by his adventurous spirit.

Some will not understand, yet anyone who has succumbed to this “virus” (as the French put it) knows that



once affected by a love for the sea, it is there forever . Tabarly helped inspire in thousands of people worldwide that urge for adventure, for competition, for life at sea, and for a modern yet eternal seamanship.

With his victory in the Ostar in 1964, Eric Tabarly helped, as few have done, to create the unconscious collective of modern sailors -just as Moitissier, Chichester, or Slocum also did in their own way- and to revolutionise the sailing industry in France by transforming fishing boatyards into sports yards.

Tabarly’s achievements are endless. His long and fruitful career as a sailor is recorded in books, articles and interviews. In Spain, his book *Guide de manoeuvre*, a genuine work of art with illustrations by Titouan Lamazou, was the best-selling book on sports sailing and the most consulted and read by people who had succumbed to

the “virus” of the sea years before. Even today it still has cult status for many enthusiasts who wish to immerse themselves in a know-how for which Tabarly, more than anyone else, was remarkable.

The anecdotes his wife and sailing companions will recount when introducing the I International Congress of Ocean Sailing and the Marine Environment of Barcelona will provide a better understanding of one of sailing history’s incomparable figures. The exhibition and the film about him will introduce the figure of Eric Tabarly to a lot of people, who will perhaps feel that passion that guided so many sailing enthusiasts when Tabarly started teaching us what it meant to be a sailor.

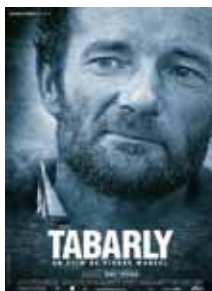
The choice of Eric Tabarly as a representative figure at the congress is by no means coincidental. It is the mirror in which Barcelona World Race, a young yet internationally consolidated race on the IMOCA circuit, hopes to be reflected so that it may inspire anyone who believes that borders do not exist, that competition is not incompatible with *fair play*, that the world’s most beautiful country is the patch of blue that covers the globe, which we should get to know and respect its most distinguished sailors.

Among them, forever, Eric Tabarly.



ERIC TABARLY exhibition

A view of the evolution of ocean racing based on images, most notably those of Eric Tabarly, that bear testimony to a host of very often heroic voyages with the *Pen Duicks*, which sailed the seas for 35 years and made essential contributions to ocean sailing.



TABARLY film

Pierre Marcel has made a moving portrait of Eric Tabarly, an essential reference for sailors. Using radio archives and other audiovisual documents that bring together many of Eric Tabarly’s voyages over all seas on board the *Pen Duicks*, the filmmaker conveys this legendary figure’s love for boats.

JACQUELINE TABARLY



President of the Eric Tabarly Association.
 Founding member of the Eric Tabarly Association.
 Full member of the Eric Tabarly Association.
 President of the Eric Tabarly Association Governing Board.
 President of the Eric Tabarly Association Bureau.

PIERRE BOJIC



Pierre Bojic, a specialist in the organisation and communication of events, supervised the organisation, follow-up and coordination of the major operations and events of the French radio station *Europe 1* from 1977 and 1981, and liaised with both the press and different local and national authorities.

From 1982, he worked on audiovisual production projects for French language television stations and coordinated and organised programme production for *Antenne 2* and Canal +.

He joined the Pen Duick SAS team in 1985 and was appointed General Commissioner of the Round Europe Yacht Race in 1987 and General Director of Pen Duick SAS in February 1998. He currently oversees the company's operational management and is in charge of the coordination and organisation of the following races: Route du Rhum, Transat *Jacques Vabre* and AG2R.

He is also cofounder of Euro'Boat, the European second-hand boat show.

His in-depth knowledge of ocean racing, furthermore, prompted his appointment as General Secretary of the Fédération Internationale de la Course Océanique (F.I.C.O.).

YVES PARLIER



Parlier has a DEST (postgraduate technical qualification) in composite materials, is joint founder of *Epsilon Composite* and of the *CNL Chantier Naval de Larros* boatyard, and also founder of *Ocea*.

His passion for sailing led him to take it up as a career. Because of his human qualities, his navigational and technical gifts, and his great meteorological knowledge, he stands out among the most gifted ocean-racing skippers of his generation.

His countless victories has earned him the very apt nickname of “the extra-terrestrial” among his competitors and he has won all the main single-handed races such as the *Mini Transat*, *Le Figaro*, *Transat Anglaise*, *Route du Rhum*, and the *Transat Jacques Vabre*, etc.

After 23 years of sailing and competition, Yves Parlier was appointed Knight of the National Order of the Legion of Honour on 14 July 2002. According to the Ministry for Sport, this title rewarded Yves “for the eminent services he has rendered for sport”.

Yves Parlier, an acclaimed top-level sportsman and matchless sailor, has formed an international team of professionals, which he leads by innovating in areas of naval architecture and by making considerable contributions to environmental respect.

JEAN LE CAM



Jean Le Cam is convinced that his is the world's best profession.

Today, I enjoy great acclaim among the sector's best sailors and that is the result of a life built gradually around the two passions of designing and building boats and the top performance achieved with them.

Jean Le Cam is not only the brilliant sailor with whom everyone is familiar, but he is also a tireless explorer who is constantly reflecting on how to achieve innovations in sailing and construction.

He himself admits that these values arose in his childhood when he sailed on his family Armagnac around the *Glénan archipelago*, to which his first cruiser races bear testimony.

It is impossible to win the *Solitaire du Figaro* three times without a deep-rooted desire to overcome one's own limits. In recent years he has taken part in the main races and finished in leading positions in the *Vendée Globe*, *Route du Rhum*, *Transat Jacques Vabre*, and *Transat AG2R*, etc. He was also FICO World Champion in 2006.

His participation in the 2010-2011 Barcelona World Race is therefore a great source of satisfaction.

DANIEL GILLES



Journalist and writer. He has devoted all his professional life to the sea and to boats and has sailed in Brittany since he was a child.

He met Eric Tabarly on board Pen-Duick III in 1967, thenceforth establishing a great friendship and a passion for sailing.

As a journalist he was editor in chief of the JL Roth group's monthly magazine *Neptune* from 1975 to 1984.

He was also director of editorial publications of the Cousteau Foundation from 1987 to 1992, and editor in chief of the magazine *Bateaux* from 2000 to 2002. He currently works in association with different media including *Le Point*.

His achievements also include the publication of a dozen works including: *La Coupe de l'Amérique*, Rosenfield, Gallimard; *A Eric*, Le Chêne (Navy Academy Award); *Voile Passion*, Bruno Peyron, Hachette Pratique; *Le golfe du Morbihan*, Palantines; and *La saga des Pen-Duick*, Le Chêne.

THEME 1:

The sailing boat.

The focal point of discussion will be the IMOCA 60 monohull competition prototype, the same as that taking part in the Barcelona World Race, although other ocean-going classes will not be excluded.

This model has been chosen as the subject of debate as it provides an excellent test bed in order to view the best use of the technological advances and improvements now featured on it, and that will subsequently be introduced on standard boats. Most enthusiasts sail on monohulls, which are the safest model both for stability and reliability.

As far as the use of materials is concerned, is this class of ultramodern, ultra fast boats, as environmentally friendly as they are thought to be?

Can more be done in building them to reduce their environmental impact ?

What can be done with the waste caused by the ageing fleet when its life cycle ends?

Eric Goetz will provide an overview of construction over the last 30 years under his management at the *Goetz Boats* boat yard. Paolo Manganeli, from *Gurit*, will also speak about advances in the manufacture of new fibres for composites and how use of them is environmentally beneficial. Adrian Gillitt, from *Green Marine*, will give a talk on optimising construction processes for the manufacture of a high-performance boat.

Guillaume Verdier, one of today's most important boat designers will give his views on the present and the future of the design of vessels that take part in ocean competitions, and Toni Tió will provide his knowledge as a sail manufacturer and will demonstrate the most efficient and environmentally-friendly sail.



Theme contents ... about the sailing boat.

- Discovering the problems involved in the construction of modern ocean-going vessels.
- Learning about the latest trends in the construction processes of these vessels.
- Making a firm commitment to knowledge of R+D+i and quality as a basis for productivity and competitiveness.
- Future trends in construction prompted by climate change. Electric motors.
- Resistance of materials: hull, rigging, mast and sails.
- Discovering where the design of IMOCA is heading with a retrospective since their origins.

PAOLO MANGANELLI



Gurit UK.

Paolo Manganelli holds a PhD from the University of Southampton, where he specialised in fluid structure interaction problems. Prior to this, he completed both an MSc in Naval Architecture and an MSc in Aerospace Engineering.

He started his career as a naval architect and structural engineer by working on the design and build of the “Techniques Avancées” wing-sail foiler catamaran, which held the “class D” world sailing speed record from 1997 until 2007. He went on to work on the construction of high-speed ferries, before collaborating with *Groupe Finot* naval architects, with whom he ran an extensive R&D project on Open 60s.

He joined *SP Technologies* (now Gurit UK) in 2005 and since then has been involved in the design of several sailing yachts, including IMOCA 60s, Volvo 70s and several Maxi yachts.

Paolo is an avid sailor: he has completed four transatlantic crossings and spends most of his free time cruising and racing on anything from dinghies to Maxi yachts.

ERIC GOETZ



Goetz Boats.

Eric Goetz began sailing as a child with his father and has continued until today, sailing frequently and taking part in competitions worldwide.

While he was at Brown University, Eric studied at the *Rhode Island School of Design in Industrial Design*, where he became interested in how materials used and processes applied influence overall vessel design.

It was the combination of these three factors that led him to set up his own business, *Goetz Custom Sailboats*, in 1975.

The initial years were characterised by the increasingly sophisticated construction of cold-moulded vessels, initially with wooden hulls and decks and later with several combinations of structures with a wooden nucleus to strengthen and reduce the weight of vessels. The next stage saw the use of state-of-the-art fibres, joined together with layers of wet epoxy resin. All the boats currently feature combinations of these technologically advanced fibres, which in turn are laminated using cutting edge resin heat-curing systems .

The *Goetz Boats* boat yard has built vessels for projects such as the America's Cup (America 3, Stars & Stripes, Young America), the *Volvo Ocean Race* (Tyco and Puma) and the TP-52 (Platoon, CAM).

He is a member of the Board of Trustees of *Landing School*, Kennebunkport - Maine, and the Board of Trustees of *Herreshoff Marine Museum*, Bristol – Rhode Island.

ADRIAN GILLITT



Green Marine.

Adrian Gillitt received his Master of Engineering in Ship Science from the University of Southampton in England. His final year thesis and associated project concentrated on the design and commissioning of a test apparatus for simulating and testing composite lifeboat panels under load while being exposed to fire. He is an active member in the composite industry and of the *Royal Institution of Naval Architects* (RINA).

For the past 8 years Adrian has been working with *Green Marine*, one of the most advanced composite yacht builders in the world. He has been a Design Engineer and Project Manager for two Volvo 70 campaigns, building a prototype for the fastest production diesel powerboat. More recently, he managed “RAN 2”, one of the most successful IRC yacht projects. In the last month, Adrian has taken on the role of Engineering Manager at *Green Marine* and will be in charge of technologies and processes as well as developing the in-house composite engineering capability.

GUILLAUME VERDIER



Immediately upon leaving the School of Higher Mathematics and Naval Architecture, this young graduate took on an increasing number of tasks until, in 1996, the Finot Group asked him to join its team.

He inevitably specialised in ocean regattas and was involved in the design of boats conceived for speed and performance. Boats of 40, 50 and 60 feet constantly occupied his work desk.

In 2001, he set up his own naval architecture agency, the portfolio of clients of which has grown constantly. In addition to his own agency's projects, he has also been involved with Yves Parlier on the design of the "Médiatis Région Aquitaine" catamaran, has renovated the VMI and PRB 60-foot monohulls in association with the Finot Group, and has worked with the VPLP studio on the design of the 60-foot Safran and Bel.

In 2004, he began working jointly with the *Areva Challenge* team on the design and conception of the America's Cup Class boat that was to sail for the French Team at the 32nd *America's Cup* in Valencia in 2007.

Despite a discreet appearance, Guillaume Verdier lies at the origin of numerous highly successful projects.

TONI TIÓ



North Sails.

Toni Tió studied engineering in Barcelona, is an accomplished racer and has taken part in the *Admiral's Cup*, *Sardinia Cup* and *King's Cup* on several occasions.

Toni started his career as a sailmaker at *Cheret Sails* in France in 1973 and is now a true sector benchmark. He also worked with Eckart Wagner at *North Sails* in Germany. In 1978, he founded *Toni Tió Velas*, based in Barcelona, Spain. Over the next 30 years, Toni and his team built up a strong, reputable light sail company that ventured all over the world. Nine Olympic medals and numerous European and World championships attest to his world leadership.

In 2003, the company merged with *Quantum Design* and he became President of their European operations. Toni decided to leave the company and after a period of reflection decided to join *North Sails*, a company Toni is quoted as saying as having “always been our benchmark for quality and development and I am looking forward to be able to offer the world's best sails to both national and international clients and to work with the world's best sailmaking team”.

With achievements like these, to state that Toni Tió has a perfect knowledge of all the ins and outs of this trade is no exaggeration.

GARY JOBSON



Gary Jobson is a world-class sailor, television commentator and author, based in Annapolis, Maryland. He is President of *US SAILING*, the United States Governing Body for Sailing. Jobson has authored 16 books on sailing and is editor in chief of the magazines *Sailing World* and *Cruising World*.

Jobson has been sailing commentator for channel ESPN since 1985. He won an ACE (Award for Cable Excellence) for the 1987 America's Cup and in 1988 won an Emmy for his coverage of the sailing competitions at the South Korea Olympics. In 2006, he was awarded another Emmy for Volvo Ocean Race on public television. He has also covered five Olympic Games for NBC. Gary Jobson has also won four Southam Awards and a Telly Award. His latest books are entitled *Classic Yachts*, *Championship Sailing* and *A Cats: A Century of Tradition*.

In October 2003, he was admitted into the America's Cup Hall of Fame in *Herreshoff Marine Museum*. In 1999, Jobson won the *Nathanael G. Herreshoff Trophy*, *US SAILING*'s most prestigious award.

Jobson is also a very active sailor. He has led some ambitious expeditions to the Arctic, to the Antarctic and to Cape Horn. He currently races Mustang, a Swan 42, and an Etchells.

THEME 2: The skipper.

Word race skippers often carry a message that is much more important than any simple commercial product. The epic nature of their work transcends frontiers and creates legends.

The skipper of every ocean racing project plays an extremely important role in winning sponsors, ensuring a return on investment and, obviously, obtaining good sporting results.

Can anyone be an ocean sailor?

What type of professional uncertainties does a skipper face during his career?

Should victory be sought even at the risk of safety?

How important is organisational capacity?

Inshore races are very well defined yet regattas take on another meaning when it comes to ocean races. Changing sea and wind conditions and sailing at southern latitudes involve certain risks and therefore require well-designed strategies in which sport prevails over risk.

The best sailors and ocean racing specialists like Loïck Peyron and Marc Guillemot will discuss all this. They will offer their experience and talent to answer questions raised, talk on the basis of their profound knowledge of both single- and double-handed ocean crossings and round-the-world sailing, and also share their experience as multihull and monohull sailors.

The subjects of race strategy, planning and management will feature essential contributions from Phillipe Jeantot and of Jean- Yves Bernot, based on their great experience in taking part in and organising different competitions to southernmost latitudes and on the success and safety they have brought to sailors.



Theme contents ...about the skipper.

- Dialogue with the best experts in ocean sailing.
- Hearing skippers' personal experiences, values, knowledge and sensations.
- Discovering the difficulties involved in a round-the-world project such as physical preparation, diet, sleep management and teamwork.
- Discovering the organisational complexity of a round-the-world project: safety, routes and safety gates, and communications, etc.
- Discovering how the world's best skippers establish their sailing strategies.
- Meteorological changes on a round-the-world trip, detecting the main obstacles (icebergs, whales, etc.).

JEAN YVES BERNOT



Upon completing his studies in mathematics and oceanography, Jean-Yves Bernot achieved acclaim in ocean sailing as a *router* and meteorological tactician. Many of the best sailors from France and other countries have trained with this specialist, who is also an accomplished ocean racer and has taken part in the world's best races, including *The Race*, the *Volvo*, and the *Fastnet*.

As a *routeur* he brought victory to Ellen Mac Arthur in the Route du Rhum, to Michel Desjoyeaux in the Transat, to Frank Cammas (Groupama) and to Francis Joyon in January 2008 when he accomplished his incredible single-handed round-the-world record of 57 days, 13 hours and 34 minutes.

It was also Jean-Yves Bernot who prepared the four first participants of the last *Vendée Globe* in meteorology and strategy.

Businesses also turn to his experience in quick decision-making in complex environments for their management training programmes. The best skippers prefer him to more academic meteorologists because of his knowledge of the real situations they experience on the high seas.

He also works actively with specialist magazines such as *La Course au large*, *Sea Horse*, *Beauteaux*, and *Voiles et voiliers*.

He has received a *Union Nationale pour la Course au Large* award and twice won the Silver Neptune, a prize awarded by the French sailing press.

PHILIPPE JEANTOT



Philippe Jeantot set out on his professional career as a deep-sea diver on oilrigs. After a few years sailing the world, he registered for the first BOC Challenge in 1982, won the race and broke the previous record for single-handed, round-the-world navigation with a time of 159 days and 2 hours.

In 1984, he took part in the OSTAR with the catamaran *Crédit Agricole II*. He was forced to withdraw after capsizing but saved the boat and was able to take part the same year in the *Québec - St. Malo*, a competition in which he set a new speed record in 24 hours.

In 1986, he took part in the *BOC Challenge* again and won for the second time running, while planning a new single-handed race.

In 1989, he created the *Vendée Globe*, which is considered the most important single-handed race. It is a trip around the world with neither stopovers nor assistance in which he took part both as an organiser and as a sailor, arriving in fourth place.

In 1990, Jeantot again took part in the *BOC Challenge* on board *Crédit Agricole IV*, and came in third place, thus completing his fourth single-handed circumnavigation of the world. After the race, he announced his retirement from sailing in order to manage his own boat-building business and focus on the organisation of the *Vendée Globe*.

Phillipe Jeantot is currently considered an innovator in single-handed ocean sailing.

LOÏCK PEYRON



General director of the *Gitana Sailing Team*.

Loïck Peyron is a multi-faceted sailor who combines sailing in multihulls and monohulls with both ocean and one-day races.

He is methodical, meticulous, and innovative, has an extraordinary talent, which is acknowledged by his rivals, and is one of the most gifted and acclaimed French sailors of his generation. This multidisciplinary sailor has truly made a name for himself over an incredible career that has featured forty-two Atlantic crossings, seventeen of which have been single-handed, and two round the world trips.

After going to the assistance of Philippe Poupon near the Cape of Good Hope, he finished second in the 89-90 *Vendée Globe*. He has won the Europe 1 Star Transat on three occasions, the Transat *Jacques Vabre* twice, the *Course de l'Europe* four times, has been ORMA world champion five times and sixteen-times winner of the *Grand Prix*, in which he has been unbeatable for years. Other victories include the *Québec - Saint Malo* on Fujicolor (beating the record crossing time) and the *Course de Phares* for multihulls. The list of his achievements is long and there is still a chance for more. One of his most recent races was the 2010 America's Cup in Valencia, on Alinghi, which was defeated by *BMW Oracle*.

MARC GUILLEMOT



Skipper Safran.

Marc Guillemot grew up in a seafaring environment and opted to sail the high seas in 1981. In 1984, he won the multihull Twostar with Jean Le Cam and Serge Madec and set an Atlantic crossing record of 8 days and 16 hours. He took part in the *Whitbread* in 1989 and sailed with Eric Tabarly in 1994.

During one of these high-sea voyages he suffered an accident on Jet Services IV. After two years' recovery, Marc returned to competition with Jet Services V, won many races and smashed the Atlantic crossing record by setting a new time of 7 days, 6 hours and 32 minutes. From 1996 onwards, at the helm of his new trimaran El Trinitaine, he has mounted the winner's podium on numerous occasions in the *Québec - St Malo*, the Route du Rhum and the Open UAP Round Europe Race.

In 2005, Marc Guillemot returned to monohulls with the Safran, an IMOCA 60 designed by Verdier-Van Peteghem-Lauriot Prévost, which soon achieved some excellent results, including victory in the 2009 *Transat Jacques Vabre*, third place in *Vendée Globe* the same year and first place in the Record SNSM.

Guillemot's achievements do not end here however. He is current champion of the IMOCA 60 Round Spain Race and came third in the last Route du Rhum, both with Safran.

PIERRE LOUIS CASTELLI



Sports journalist at *France Inter* since 1988. He has covered three FIFA World Cups, two UEFA European Football Championships, 3 America's Cups (San Diego and Auckland), six *Vendée Globes*, six Routes du Rhum, several transatlantic races (Route du Rhum and *Transat Jacques Vabre*) and several *Solitaires du Figaro*.

From 2002 to 2006, he was the Voice of the Open Sea (*La voix du large*), a sailing and adventure programme on the radio station *France Inter*. He also hosted the programme "*Grandeur nature*", on *France Bleu*, from 2003 to 2006.

He is currently the sailing expert for radio *France Inter*.

THEME 3:

Space of Competition – Planet Sea.



The ocean becomes a race arena: the planet sea. Observing it from the perspective of competition with a new, more informed outlook is one aspect of the Congress, the intention of which is none other than to encourage other points of view and, particularly, prompt discussion based on information offered by different specialists from a range of disciplines.

Is this race arena stable over time? Is it the same now as it was 100 years ago?

What is happening to the sea? Are we taking good enough care of it?

What needs to be done to conserve marine biodiversity?

Is the sea, as some people think, a limitless dump about which we need not worry?

Can anything be done by sailors and, particularly, by Barcelona World Race, or is it beyond our responsibility and more a matter for high-level official organisations?

Can we remain committed to essential sea trade without filling the sea with plastic, containers, oil and other waste?

Could waste (ageing of the fleet) cause a problem for the development of the nautical industry? Should it be regulated a lot more?

Many questions require an answer and responses may be found in the multidisciplinary perceptions of speakers from the authorities, civil movements, supranational organisations, science and, above all, from the living experience of each. Hugo Morán, Mario Rodríguez, Rémi Parmentier, Gordon Hamilton, Maria Hood, Luis Valdés and Tomàs Molina offer an extremely representative range of knowledge based on a range of fields and bring together proven experience with a view to meeting the challenges.

Theme contents... about Planet Sea.

- Making a worldwide appraisal of marine environmental status and how to contribute to the sustainability of the oceans.
- Evaluating the crucial role of the oceans in understanding climate change.
- Understanding the relationship of warming global, underwater currents and the melting of the icecaps.
- States' roles in combating climate change.
- Establishing the balance of the International Year of Biodiversity.
- Social awareness of climate change.

RÉMI PARMENTIER



Director and founder of the international *Varda Group* consultancy.

In 35 years of championing the environment, Rémi, a pioneer in world environmentalism, has met and worked on the United Nations Environment Programme (UNEP), with the World Health Organisation (WHO), the International Maritime Organisation (IMO), the International Atomic Energy Agency (IAEA), the World Bank, World Trade Organisation (WTO) ministerial conferences, the United Nations Commission on Sustainable Development, Multilateral Environmental Agreements meetings (including the conventions on climate change, biodiversity and protocol on biosafety), and the International Commission for the Conservation of Atlantic Tunas (ICCAT).

In addition to his many other activities, he is currently a policy advisor to the Pew Charitable Trusts in the United States in matters associated with conservation and the sustainable use of marine biodiversity.

He is also the founder of *Greenpeace International* (1979) and of different national Greenpeace organisations, including Greenpeace France (1977), Greenpeace Europe (1978), Greenpeace Spain (1984) and Greenpeace Latin America (1987).

Rémi is considered the main architect behind the world prohibition on the dumping of industrial and radioactive waste at sea, adopted at the 1993 London Convention. This was the culmination of a long campaign and negotiation process, which he had led for fifteen years.

HUGO MORÁN FERNÁNDEZ



Federal Secretary for Environment and Rural Development of the PSOE.

A member of the Local Executive of the PSOE (Spanish Socialist Workers' Party) in Lena and of the Asturian Socialist Federation Regional Executive.

He was a councillor on the Council of Lena from 1987 to 1995 and mayor of the town from 1995 to 2007. He has sat on the Executive Committee of the Asturian Federation of Councils since its creation and was its president for six years.

He has represented Asturias on the Territorial Council of the Spanish Federation of Municipalities and Provinces (FEMP). He has been a member of the Permanent Committee of the Association of Mining Regions ACOM-Spain, and of the European Association of Territorial Excellence (EUREXCTER).

Member of the Asturian and the Spanish Rural Development Network and of the Economic and Social Council of Asturias.

He was a member of the Communication Council of Radiotelevisión del Principado de Asturias (2005/2007) and Director General of the Office of Relations with the Government of the Principality of Asturias (2007/2008).

He is an MP for Asturias in Parliament, where he holds the post of spokesman for the Socialist Group on the Committee of the Environment and Rural and Marine Affairs. Since 2008, he has been Federal Secretary for Environment and Rural Development of the PSOE and has also been very active in political life and has sat on different Spanish parliament committees such as the committee for Public Works, Regional Policy and Climate Change and been spokesman for the Committee for the Environment, Agriculture and Fishing.

MARIO RODRÍGUEZ VARGAS



Greenpeace.

Ecologist. He is currently working as Executive Director of Greenpeace Spain. Since May 2001 he has also been director of Greenpeace Spain campaigns. He was previously manager of the Greenpeace Toxics Campaign from 1992 to 1994.

This great professional focuses his work on the paper pulp industry and its environmental impact throughout the production line.

In 1994, he initiated Greenpeace's forest protection campaign in Spain and worked on it until 2000. The focus of his work included forest fires, biodiversity loss in Spanish woodland, deforestation of the Amazon rainforest and West Africa and Spanish responsibility therein.

He is qualified in physics from the Complutense University of Madrid, specialising in Sciences of the Earth and the Cosmos. He is also a specialist in Studies and Evaluation of Environmental Impact from the Polytechnic University of Madrid, and a specialist in the use of GIS in environmental management (also from the Polytechnic University of Madrid).

GORDON HAMILTON



University of Maine.

Gordon Hamilton is a Professor of Climate Science at the Climate Change Institute of the University of Maine. His main scientific interests are the interactions between icecaps, climate and sea level.

He has taken part on over thirty expeditions to Antarctica, Greenland, Svalbard and Alaska, including two overland traverses to the South Pole and two voyages along the entire east coast of Greenland.

Before joining the faculty at the University of Maine, Professor Hamilton was research scientist at the Norwegian Polar Institute. He has a PhD in geophysics from the University of Cambridge in the UK.

He has authored over thirty scientific publications, has been editor in chief of *Annals of Glaciology*, is associate editor of the *Journal of Geophysical Research* and a member of *Maine Global Climate Change Inc.*

As institutional representative of UNAVCO, he has advised the Parliament of Finland and belongs *NASA Science Team Members*.

His current research projects include:

- The dynamics of exit glaciers and kinematics.
- Marine ice and interaction in Eastern Greenland.
- Snow accumulation in Eastern Antarctica.

On the basis of over 10 years of fieldwork he has deduced that the great changes are occurring on the coast. In 2005, he accepted Greenpeace's offer to study this phenomenon on board the *Arctic Sunrise*, a floating laboratory that Greenpeace places at the service of independent scientists.

MARIA HOOD



Global Ocean Ship-based Repeat Hydrographic Investigations Program.

Maria Hood is the project coordinator of the *Global Ocean Ship-based Repeat Hydrographic Investigations Program (GO-SHIP)*, a program involved in the improvement of the global ocean observation system. Hood was awarded her PhD. in Marine Chemistry and Geochemistry from the *Massachusetts Institute of Technology* and the *Woods Hole Oceanographic Institution*, and began her research career at the Laboratory of Dynamic Oceanography and Climatology of the University of *Pierre and Marie Curie* in Paris, France.

In 1999, she joined the United Nations Educational, Scientific, and Cultural Organisation (UNESCO) as a programme specialist for the Intergovernmental Oceanographic Commission, working to coordinate global research and observation programs of the *Global Ocean / Climate Observing System*.

She has served as a member of the *U.S. National Oceanic and Atmospheric Administration's Climate Observing System Council and the Observations Coordination Group* of the IOC-WMO Joint Technical Commission on Oceanography and Marine Meteorology. She is currently program coordinator of the IOC's Global Ocean Ship-based Hydrographic Investigations Program (GO-SHIP).

She began her sea-going career at the age of 19 when she crossed the equator on a merchant marine training vessel, and has taken part in numerous research cruises. She recently moved from Paris to Brittany where the sailing is better.

LUIS VALDÉS



UNESCO (ICO - Intergovernmental Oceanographic Commission).

Dr. Luis Valdés (Spain) is the Head of Ocean Sciences at the Intergovernmental Oceanographic Commission of UNESCO and was also the Director of the *Centro Oceanográfico de Gijón - Instituto Español de Oceanografía* (CO Gijón-IEO).

He has over 25 years' experience in marine research and field studies related to marine ecology and climate change. In 1988, he started the Spanish project "Radiales", which has grown from one standard transect off La Coruña to the present network of 20 fixed stations along the northern and north-western coast of Spain.

The Radiales project has been a successful, pioneering initiative in Spain. It represents a significant contribution to the understanding of our marine environment and is a good example on the importance of basic research as an essential tool for the responsible management of natural resources.

Dr. Valdés has worked intensely on international councils and has been the Spanish Delegate both at the IOC-UNESCO and on the *International Council for the Exploration of the Sea* (ICES), where he has chaired different groups and committees, including the Steering Group on Climate Change.

With the support of IOC, ICES and other councils, he has served as convener at several International Symposia and was also the local organizer of the Symposium on the Effects of Climate Change in the World's Oceans (Gijón, 2008).

TOMÀS MOLINA BOSCH



A graduate in physics and a licensed journalist, he is currently Head of Meteorology at *Televisió de Catalunya* and director of the programme *Espai Terra* (Earth Space). He is also Vice-president of the *International Association of Broadcast Meteorology* (IABM) and President of the European Commission's *Climate Broadcasters Network – Europe* for the Communication of Climate Change.

He is also a member of the Governing Board of the *Meteorological Service* of Catalonia and President of the *Consell Català de la Comunicació Científica, C4* (Catalan Council for Scientific Communication).

He is a member of the *Consell Assessor del Parlament en Ciència i Tecnologia* (CAPCIT – Advisory Board of the Parliament of Catalonia for Science and Technology).

He has published the books “*Tu jo i el Medi Ambient*”, (You, me and the environment), “*Contes del temps*” (Weather tales), “*Contes de l’Univers*” (Tales of the Universe), “*Contes de la Terra*” (Tales of the Earth), and “*L’any que el meu avi va veure ploure*” (The year my Granddad saw rain).

He also wrote the prologue of the Catalan and Spanish translation of Jean-Yves Bernot’s book “*Météo et stratégie*”.



VIEW FROM CANCUN

The speakers will report on and assess the results of the COP16 United Nations Climate Change Conference, held in Cancun, Mexico, from 29 November to 10 December 2010.

The COP16/CMP6 is the 16th session of the Conference of the Parties to the United Nations Framework Convention on Climate Change, and the 6th session of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol. “Parties” are defined as those nation states that signed and ratified these two international treaties and agreed to observe and to comply with their content on international cooperation to combat climate change.

The Framework Convention has 194 Party states and the Kyoto Protocol has 184. In accordance with article 7 of the Convention, as the supreme body the Conference of the Parties is entrusted with adopting the decisions necessary to promote its effective application .

BARCELONA DECLARATION

The multi-disciplinary profiles of the congress speakers, attendees and its timing to coincide with the start of the Barcelona World Race provide a unique opportunity for the subjects dealt with in the three core thematic areas of the congress to yield conclusions and proposals that will appear in the Barcelona Declaration, which in turn will be agreed by consensus and made public.

UPC-BWR AWARD

The Technical University of Catalonia (UPC) and the Barcelona Foundation for Ocean Sailing (FNOB) have announced the I Barcelona World Race UPC award for innovation, sailing and environment.

The award comprises two phases: an ideas competition and a project development phase.



This initiative is intended to:

- Inform the university community of the UPC and of its environment about ocean sailing.
- Indicate points of connection between sports sailing and UPC areas of study such as engineering, architecture and science.
- Stimulate the capacity of UPC students to imagine the maritime transport of people and goods in the future.
- Encourage sustainability in sailing and in maritime transport by introducing improvements in the boat building process, optimising energy consumption and reducing environmental impact, among other aspects.
- Promote the Congress of Ocean Sailing and the Barcelona World Race, which will be held in December 2010.



BARCELONA

WORLD DRACE

2017

Organization:



Institutions Support:



Partners:



Patrons FNOB:



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