

Imaging today
foreseeing tomorrow

2020

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FRANCE

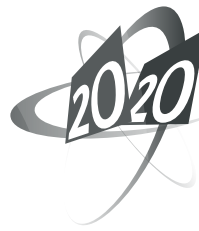
INVITATION TO HOST THE XXIVTH CONGRESS
OF THE INTERNATIONAL SOCIETY FOR
PHOTOGRAMMETRY AND REMOTE SENSING

2020

PROPOSALS ISPRS 2020 Nice

Nice - France 12th - 18th July 2020





NICE, candidate city



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nice!*



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2020

Nice - **France** 12th - 18th July 2020

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2020 ISPRS NICE FRANCE

Dear Colleagues, dear Friends,

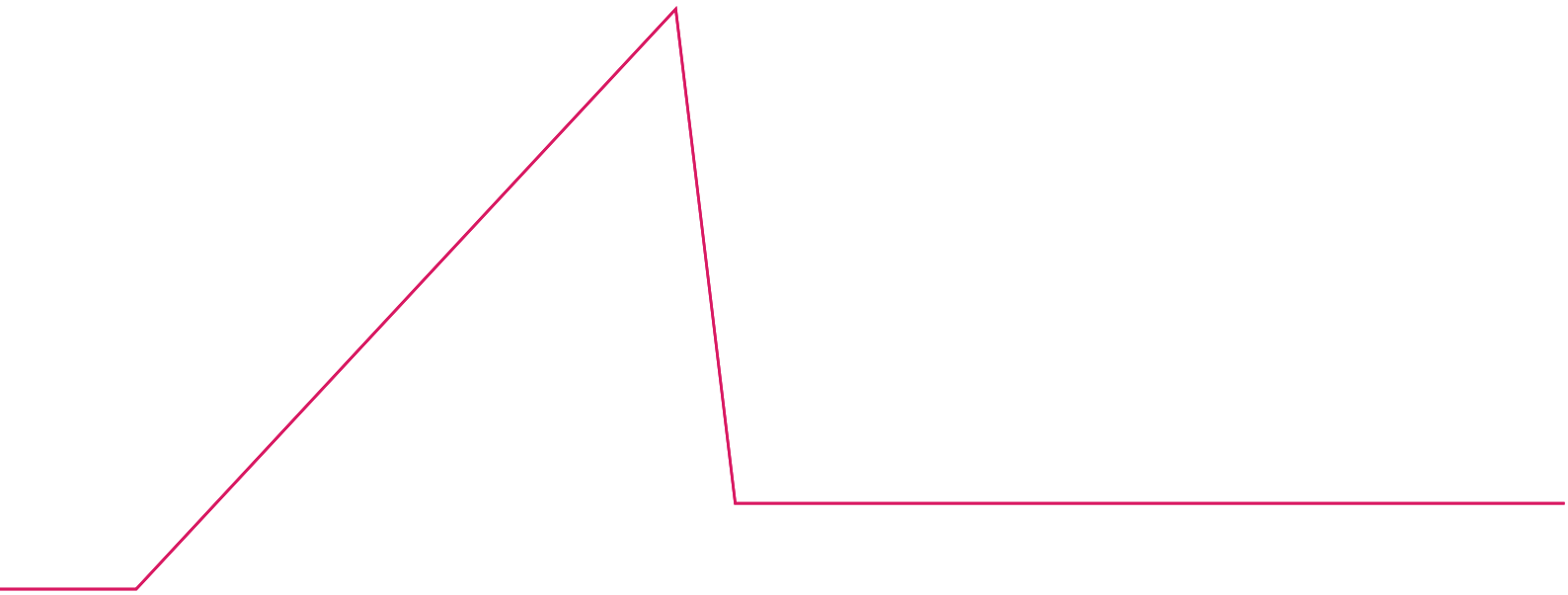


Nicolas Paparoditis -
Candidate Congress Director

I have great pleasure in embracing the role of candidate congress director, for the second time, by organising the XXIVth ISPRS Congress in my home town of Nice from the 12th to the 18th of July 2020.

Nice, the cosmopolitan and multicultural capital of the French Riviera, is the ideal place to host an unforgettable ISPRS Congress. Nice is an outstanding location between sea and mountains where culture and heritage meet with the cutting edge technology of Sophia Antipolis, the French Silicon Valley. The congress centre is in the heart of the city and two minutes away from Vieux Nice (the old town of Nice) and at only 20 minutes from the airport by tramway. The Congress venue is very well designed and perfectly sized and particularly well adapted to organising an ISPRS Congress.

Our objectives for this Congress are threefold. First, we aim at building a very rich scientific program around innovative methods, technologies, and applications in photogrammetry, remote sensing and geospatial sciences. Second, we would like to study new means of following the Congress for those who do not have the possibility to attend and also to increase the available ISPRS media contents (slide presentations, audio files of the oral presentations, digital posters) available after the Congress. Last, but not least, we would like to develop knowledge sharing by strengthening the link between



generations through the creation of ad-hoc networking events comprising a free Congress party open-to-all.

Our experienced bidding team is composed of French senior and junior scientists belonging to the ISPRS Community and also to ISPRS neighbouring communities. The team has already had ample experience in organising ISPRS events over the past years (the last and very successful Geospatial Week 2015, the XXIVth CIPA symposium, two technical commissions symposia and over 10 workshops) and in publishing ISPRS proceedings (over 15 volumes of the ISPRS Annals and Archives).

I have myself attended all the ISPRS congresses since Amsterdam in 2000 and have very actively participated since, in the activities of ISPRS. I will put all my commitment and experience into chairing the XXIVth ISPRS Congress and into serving the society in the long I am at your disposal to discuss this project with you and I shall look forward to meeting you at the Prague Congress.

Best regards

Nicolas Paparoditis

Candidate Congress Director



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nice !*

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Photogrammetry,
Remote
Sensing

&

Spatial
Information
Sciences
in France



Photogrammetry, & Remote Sensing

Spatial Information Sciences in France

France is one of the major countries for research and development related to photogrammetry, remote sensing and spatial information sciences. Many governmental entities, public or private companies have activities that promote the use of spaceborne, airborne and terrestrial platforms to acquire image data and the development of R&D programmes to process the imagery to extract geo-information to support both advances in Science and public policies. The French research community directly related to ISPRS themes is estimated around 1500 scientists plus 1500 PhD and Post-Doc students who participate in different societies and research communities.

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At the end of the 1940's, the main research and production in aerial and architectural photogrammetry were entrusted to IGN for medium scale mapping and cultural heritage documentation, and the education in this field was entrusted to French engineering schools (called Grandes Ecoles in France) and to CNAM where Laussedat, Roussilhe and Poivilliers had developed training programs for civil engineers and surveyors. While photogrammetry was developed in these large governmental institutions, the universities developed an extensive use of photo-interpretation and remote sensing for the needs of various scientific fields such as geology, forestry, agronomy and oceanography.

More recently the development in several fields of computer science such as computer vision, robotics, information technology, and others have had a very strong impact on our field but in neighbouring communities. In parallel, the satellite remote sensing community, and its sister communities such as environmental studies are quite strong and active, thanks to the heavy sustained investment in earth observation programs steered by CNES since the sixties. Indeed, this strong involvement goes along with a strong research and development community structured in different scientific communities.

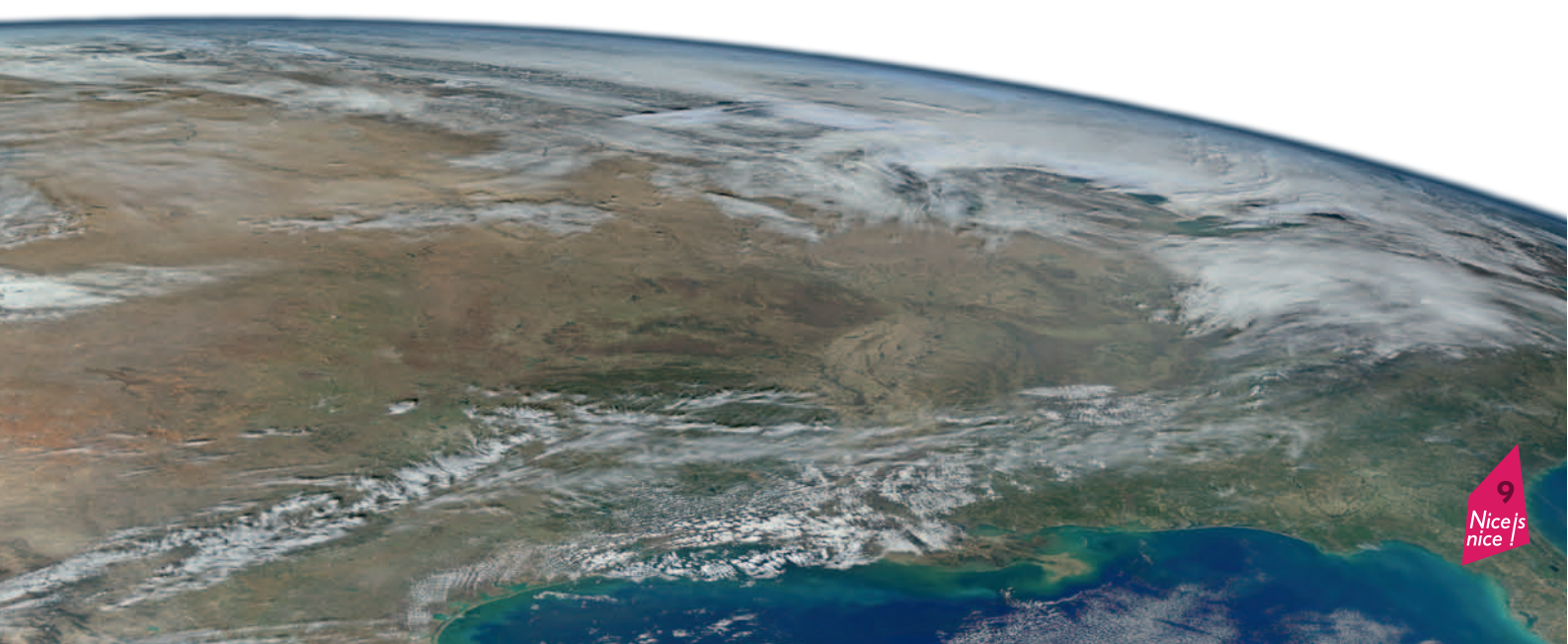
The first of these societies is SFPT which is the French ordinary member of ISPRS has a stronger partnership with sister organisations that represent France in other societies, such as the Comité Français de Cartographie (CFC, French member of ICA) and the Association Française de Topographie (AFT) and the Ordre des Géomètres-Experts (OGE) which are the French members of FIG.



France through SFPT has been strongly involved in ISPRS in the last fifteen years. Indeed, several of these entities and their scientists and engineers are already involved in ISPRS, e.g. by leading or contributing to the different commissions (Commissions I and III in the 2004-2008N and 2008-2012 periods, respectively) and working groups, by organising several ISPRS events, and by participating in congresses, symposia, and workshops through the submission of papers and through oral and poster presentations.

Indeed, France has organised some successful ISPRS events in the last ten years. The XXIVth CIPA symposium (200+ attendees) was organised in Strasbourg, France in 2013 and chaired by Pierre Grussenmeyer and the ISPRS Geospatial Week 2015 (500+ attendees) was organised in Montpellier/La Grande Motte, France in 2015 and was chaired by Nicolas Paparoditis. France also hosted two symposia : the ISPRS commission I symposium in 2006 organised by Alain Baudoin and Nicolas Paparoditis and the ISPRS commission III symposium in 2010 chaired by Nicolas Paparoditis. A several number of ISPRS workshops have also been organised in France and or by French scientists over the past years (Laserscanning, CMRT, ISA, etc.).

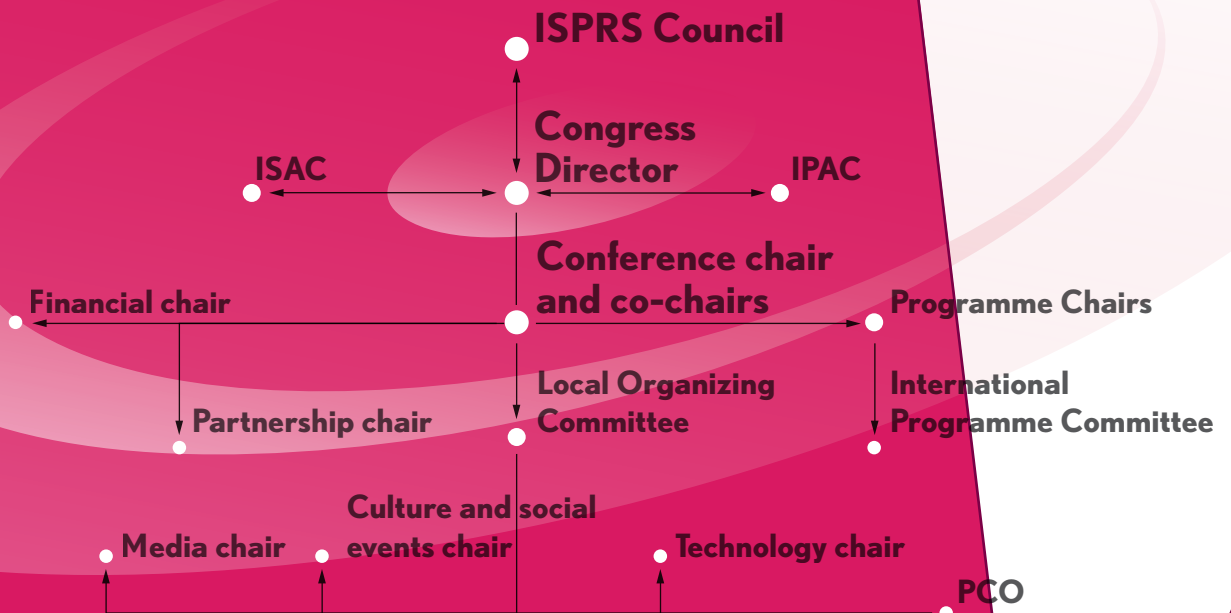
Organising the XXIVth Congress in Nice would recognize this strong French involvement and would be a clear opportunity on the one hand to further enhance the ties between the sister and neighbouring societies and on the other hand to bring much closer the different and strong French research communities and also attract French companies to have a stronger involvement within ISPRS. The other large French research and operational institutions dealing with Photogrammetry, Photogrammetric Computer Vision, Remote Sensing and Spatial Information Sciences (namely INRIA, INRA, IRSTEA, IFREMER, BRGM, etc.) will be strongly involved in the organisation of the Congress together with IGN and CNES.



2020

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Organisation :



2

Committees

Scientific Host Committee

The host scientific committee regroups French scientific personalities in the field of ISPRS. This committee is tailored to ensure a coherent and scientifically relevant organisation of the ISPRS congress. The committee also brings its complementary expertise in the field of the different ISPRS technical commissions and will contribute to strengthen the link between the ISPRS commissions and sister or neighbouring societies (ICA, ICOMOS, ICSU, IEEE, IAPR, etc.) and with the French ecosystem.



Nicolas Paparoditis – Congress Director, Conference Chair - Chief Science Officer at IGN and Head of Research at ENSG – Géomatique (IGN's engineering school)

- Areas of expertise : GeoInformation, Photogrammetry, Remote Sensing, Computer Vision, Spatial Data Infrastructures ;
- ISPRS Commission III President (2008-2012), ISPRS Commission III Vice-President (2012-2016), ISPRS Commission I Secretary (2004-2008) ;
- Member of ISPRS Scientific Advisory Board (2012-2016) ;
- Guest editor of 2 special issues of the ISPRS Journal of Photogrammetry and Remote Sensing ;
- Editor and co-editor of 11 volumes of ISPRS Archives and Annals ;
- Chair of the ISPRS Geospatial Week 2015 and Chair of the ISPRS Commission III symposium 2010 ;
- 100+ papers published in the field of photogrammetry and remote sensing ;
- 50+ papers published in ISPRS journals and proceedings ;
- Co-author of the paper Information from imagery : ISPRS scientific vision and research agenda, International Journal of Photogrammetry and Remote Sensing, 2015 ;
- Candidate Congress Director for the ISPRS 2016 Congress (Paris as host city).

Scientific Host Committee



Laurent Polidori - Conference Co-Chair
Director of CESBIO, a joint research unit of CNES-CNRS-IRD-UPS, the largest Earth observation and remote sensing laboratory in France

- Areas of expertise : Remote Sensing, Photogrammetry, 3D-mapping, SAR, Education ;
- Former Director of the French Topographic and Surveying Engineering School (ESGT, 2006-2015) ;
- Former President of SFPT (2008-2014) ;
- Chair of ISPRS Working groups in 1996-2000 (WG III/6 "theory and algorithms for SAR) and 2004-2008 (WG III/4 "Management of tropical environment research") ;
- Member of the Photogrammetric Record Team (foreign contributor to translations) ;
- Invited Professor to several Brazilian Universities (UNESP, UFRA).



Marc Pierrot-Deseilligny - Conference Co-Chair
Senior Researcher at IGN and ENSG-Géomatique

- Areas of expertise : Photogrammetric workflows and software development, coordinator and principal contributor of MicMac (IGN's free open source photogrammetric suite) ;
- Former Chief Science Officer at ENSG-Géomatique ;
- ISPRS Commission III Vice-President (2008-2012) ;
- President of SFPT (since 2014) ;
- 100+ papers published in the field of photogrammetry and image processing.



Clément Mallet - Program Chair
MATIS Laboratory, IGN, Saint-Mandé, France
Research scientist at IGN, France since 2005

- Area of expertise : remote sensing and computer vision
- Technical Commission 3 Secretary (2008-2012) and Working Group Chair (III/3, 2012-2016) ;
- Editorial Advisory Board of ISPRS Journal of Photogrammetry and Remote Sensing (2013-2019) ;
- Guest editor of 1 special issue of the ISPRS Journal of Photogrammetry and Remote Sensing ;
- Co-editor of 6 volumes of ISPRS Annals and Archives ;
- Organization of 10 ISPRS events ;
- Program Chair of ISPRS Geospatial Week 2015 ;
- 30 papers published in ISPRS Journals, Annals and Archives.



Florent Lafarge - Programme Co-Chair
INRIA, Sophia-Antipolis, France.
Researcher scientist at INRIA Sophia Antipolis, France since 2010 in the Titane research group on geometric modeling from physical measurements.

- Area of expertise : remote sensing, photogrammetry, computer graphics and computer vision ;
- ISPRS Working Group Co-Chair (III/2, 2012-2016) ;
- Associate Editor "The Visual Computer" ;
- 2014 ISPRS U.V. Helava Award ;
- Keynote speakers in several ISPRS events ;
- 50+ papers published in top-rank journals and conferences in the field of computer graphics and computer vision.



Pierre Grussenmeyer - Conference Co-Chair
INSA, Strasbourg, France.
Full Professor at INSA Strasbourg, France -
Head of the Photogrammetry and Geomatics
Research Group since 1996

- Areas of expertise : Photogrammetry (Close-range, civil engineering), Terrestrial Laser Scanning, Sensors, Cultural Heritage Documentation, Surveying, Geomatics, Building Information Modelling ;
- ISPRS co-chair of WG VI/2 Computer Assisted Teaching (2000-2004), chair of WG VI/2 Cultural Heritage Documentation (2004-2008) ;
- CIPA (ISPRS-ICOMOS) Heritage-Documentation Committee Member (1999-2015), Treasurer (2001-2010) ;
- Symposium Director of the XXIVth CIPA Symposium in Strasbourg (2013) ;
- Vice-president of the 'Association Française de Topographie' and member of the editorial staff of the French "XYZ" Journal (www.aftopo.org) ;
- Member of the International Editorial Board of the Photogrammetric Record since 2010 ;
- 150+ papers published in the field of photogrammetry, architectural photogrammetry and applications to Cultural Heritage.



Josiane Zerubia - INRIA, Sophia-Antipolis, France
Research Director at INRIA since 1989

- Areas of expertise : remote sensing, image Processing, inverse problems in remote sensing, markov random fields, stochastic geometry ;
- Fellow of IEEE ;
- Head of the Avin research group INRIA-CNRS-Univ.Nice ;
- Member of the organizing committee of IEEE-EURASIP EUSIPCO at the Acropolis congress center in 2015 ;
- Chair and organiser of several workshops in the field of image processing and remote sensing ;
- 200+ papers published in top-rank journals and conferences in the field of image processing applied to earth observation remote sensing and medical imaging.



Cécile Duchene -
IGN Saint-Mandé, France

Senior Researcher at IGN France -
COGIT Laboratory since 1997

- Areas of expertise : Cartography, Generalization, Geovisualisation ;
- Co-chair of the ICA Commission on Generalisation and multiple representation ;
- In charge of the Master's degree (M2) IGAST (Geographic information : spatial analysis and remote sensing) for ENSG-Géomatique ;
- 70+ papers published in the field of Cartography and Spatial Information Sciences.



Eric Labergerie - Financial Chair - ESGT, Le Mans, France
Photogrammetry instructor at the French Topographic and Surveying
Engineering School (ESGT)

- Areas of expertise : Photogrammetry, lidargrammetry, and education ;
- SFPT Treasurer (since 2014) ;
- Financial chair of the ISPRS Geospatial Week 2015.



Tullio Tanzi - Institut Mines-Télécom, Nice, France
Full Professor at Institut Mines Télécom -
Telecom ParisTech - Department of
communications and electronics in Nice,
France

- Areas of expertise : ICT, human-computer interaction, disaster management, computer and network architecture, radio science ;
- Member of the Standing Publications Committee of URSI (International Union of Radio Science) ;
- Chair of the URSI-ISPRS Joint Special Session: "Disaster and Risk Management" at the ISPRS Prague Congress (SpS15) ;
- Chair of the URSI-France Commission F: "Wave Propagation and Remote Sensing".

2020

ISPRS **NICE**
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5 good reasons for choosing Nice

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● Nice, the beautiful capital of the French Riviera

● A city of culture and heritage with a refined lifestyle

● Nice Sophia Antipolis - the French Silicon Valley

● An international airport and a congress center in the heart of the city

● A lively and sunny city between sea & mountains





● 1 - Nice, the beautiful capital of the French Riviera

beautiful
capital

Nice and its region is, after Paris, the leading tourist destination in France, and one of the most prized worldwide.

The former County of Nice, now the metropolis of the-Côte d'Azur is, from any point of view, the beating heart of the Côte d'Azur (French Riviera).

Nice-la-Bella must be discovered in all its facets : historical, cultural, artistic, festive, a seaside, tourist resort. Baroque art, the Belle Époque and Modernism are among the many different styles in a truly contemporary city which completely fulfils its role as Capital of the Côte d'Azur.

A modern, creative and innovative city, it has amenities worthy of the greatest European capitals, with a wide range of activities and visits.

A city perfectly balanced between the heritage of the past and modernity, Nice is a dynamic and revitalising destination in many ways, offering its visitors the authentic charm of a Mediterranean French city.



cosmopolitan
multi-cultural

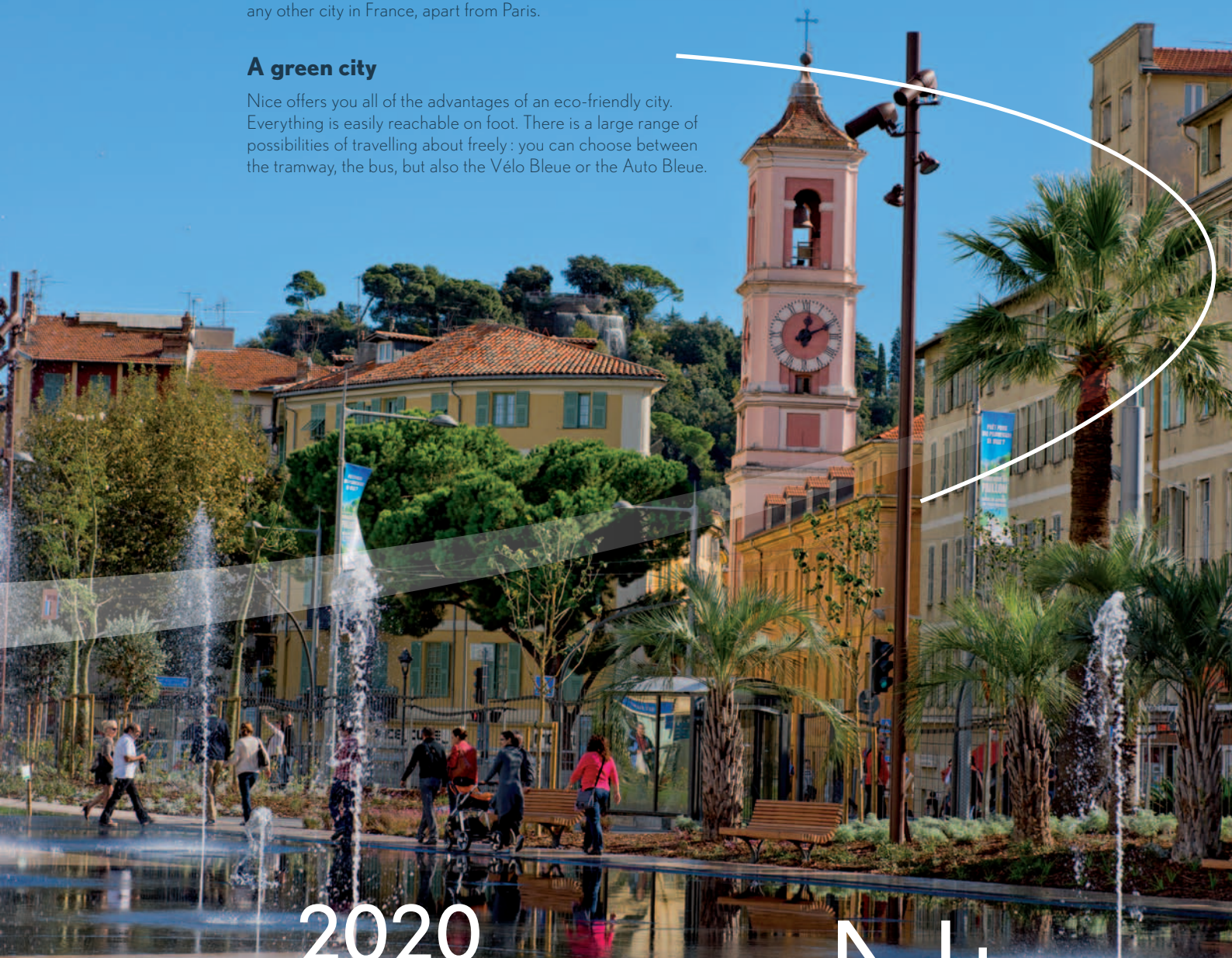
“A cosmopolitan and multi-cultural destination”

Nice is not limited to this lovely «holiday picture» ; as such, we invite you to discover a different atmosphere, a young and dynamic city, offering a mix of «French and Italian charms».

The charms of the South have been attracting artists from around the globe for over a century. The city's art and culture bear witness to this : Nice has more museums and art galleries than any other city in France, apart from Paris.

A green city

Nice offers you all of the advantages of an eco-friendly city. Everything is easily reachable on foot. There is a large range of possibilities of travelling about freely : you can choose between the tramway, the bus, but also the Vélo Bleue or the Auto Bleue.



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● 2 - A lively and sunny city between sea and mountains

An exceptional geographic location between the Mediterranean sea and mountains just a few kilometres from the Italian border, Monaco and Cannes, its legendary gentle climate, its exceptional light but also its history and its classified monuments, its numerous museums, its baroque heritage, its old town with its typical and colourful markets, its charming quality hotels, its starred cuisine, its pedestrian and shopping streets, its beaches with azure waters, its sunny terraces...

The Promenade des Anglais, Cimiez, the Port Lympia district, the Old Town and the Cours Saleya, the Promenade des Arts, its hills and finally an Ecovalley, the newest and most ecological district in the region... are the main landmarks if you want to get your bearings and discover the city.

Close to Nice, the Mercantour national park offers some of the most beautiful hikes in France where a large range of protected wildlife populates the mountains.



● 3 - A city of culture and heritage with a refined lifestyle

Nice enjoys displaying the charm of its distinctive culture

Nikaïa - A city founded by the ancient Greeks

The history of Beautiful Nice goes back to around 350 BC, when the Greeks founded a settlement on the shore of the Mediterranean Sea, and called it **Nikaïa**, after Nike, the Greek goddess of victory.

However, in order to have a proper picture of the historical background of Nice, one should also know that the site along which Nice stretches nowadays, has been inhabited since prehistoric times.

Certain archaeological findings prove the place was populated even 400,000 years ago.

The traces of a rudimentary prehistoric civilization have also been discovered. Indeed the region features ideal geographical and climatic conditions.

Nice in the Middle Ages

For several centuries, Nice swung between French and Italian dominion along with both of their cultures.

It was only in 1861 that Nice ultimately became part of France once and for all, but until then, Nice grew as a military force under the rule of Provence, of the Counts of Savoy and of Napoleon III.

A very rich Baroque period

A Baroque heritage of remarkable richness is one of the key cultural and tourist points of interest on the Côte d'Azur and the County of Nice.

Over eighty monuments, churches, chapels, palaces and citadels are ripe for discovery along the "Route du Baroque Nisso-Ligure".

Contemporary Nice

The French and the Italians were not the only ones who, one way or another, shaped the **historical** trajectory of Nice. The English too, have left their mark on Nice. Their contribution to the landscape **architecture** of present day Nice is summarized by the famous Promenade des Anglais, built with the financial support of the English aristocracy.

Indeed, the rich English discovered, somewhere around the mid 18th century, that Nice was an ideal **winter retreat**. They suggested and initiated the construction of the promenade on the former derelict stretch of sand which delineated the seashore. The project was rapidly embraced by the city of Nice. In 1888, Stéphen Liegeard invented the name "Côte d'Azur".

It then became the place not to be missed by the elite, in winter as in summer. From the golden years of the Belle Epoque there are still vestiges of a lifestyle left forever in the heritage of the Côte d'Azur. There you can find a surprising mixture of styles and eras, fashion and ideas. Until the second half of the **20th century**, Nice earned the reputation of an exclusive vacation destination only the **rich could afford**. After World War II, however, the tourist profile of Nice changed dramatically, the resort becoming accessible to a miscellaneous flow of visitors, **budget travelers** included.

However, the concessions made in this respect did not affect the high quality standards of the tourist scene of Nice, the city being one of the **top-of-the-range** vacation destinations at international level.

Modern and Contemporary Art

In the 20th century, the Côte d'Azur became legendary in the world of modern and contemporary art.

The greatest artists from all over the world came and lived there, inspired by the light of the Mediterranean and the southern lifestyle: Renoir, Modigliani, Bonnard, Matisse, Picasso, Chagall and their successors César, Klein, Arman, Niky de St-Phalle.



2020

The County of Nice is also renowned for its wines, which are among some of the best in the Provence region.

The "Cuisine Nissarde" (traditional Nice cooking) is unique, halfway between Provence and Ligurian cooking, and reflects an art of living and a particular respect for regional products which cannot be found elsewhere, even in France!

Typical specialities are not limited to sea food but also include: Socca (chickpea pancake), salade Niçoise, pissaladiera (onion tart), tourte de blettes (sweet chard pie), pan-bagnat (a typical egg, tuna and salad sandwich), soupe au pistou (pesto soup), farcis niçois (stuffed vegetables), raviolis niçois (fresh chard and braised beef raviolis), stockfish, merda di can (small green gnocchis), ratatouille, beignets de fleurs de courgettes (squash blossom fritters), salad de mesclun (tangy mixed greens salad), panisse (chickpea flour cake), les ganses (sweet fritters) and much, much more...

For sweet amateurs, don't miss the orangettes, candied fruits, crystallised flowers and other tasty sweets...





● 4 - Nice Sophia Antipolis - the French Silicon Valley

French Silicon Valley

Nice is the capital of a cutting edge technology environment with an outstanding centre for scientific and medical research located near the Sophia-Antipolis Park and the University of Nice-Sophia-Antipolis (20 km from Nice International Airport and easily reachable by bus). Europe's leading Science and Technology Park Sophia Antipolis was founded in 1969 by Senator Pierre Laffitte, and was based on a strong concept: cross-fertilisation between researchers, professors and companies. Having become a world reference in terms of innovation, today the park is home to 1,350 companies who employ 34,400 people representing 63 different nationalities, alongside 4,500 researchers and 5,500 students. The world's top specialists enjoy a fantastic lifestyle, a multicultural environment and an exceptional standard of living that boosts creativity and productivity.

For over 40 years, Sophia Antipolis has been attracting industry leaders, engineers and researchers from around the globe. Every year, 800 new jobs on average are created in the science and technology park, which has led it to become the ideal site for setting up R&D or high tech businesses.

Whatever the sector, SMEs and start-ups stand side by side with world leaders such as Amadeus, Cisco Systems, Dassault Systems, Orange, Hewlett, Nvidia, Intel, Symantec, Air France, American Express, Toyota, Samsung, Huawei... this ecosystem is devoted to innovation and gathers top-level organisations such as: Eurecom Institute, Polytech'Nice, SKEMA (Higher education establishments), W3C, ETSI (Standardisation institutes), Solutions Communicantes Sécurisées, Pégase (Competitiveness clusters) and research institutes (INRIA, CNRS).

Two main centres feature this brilliant ecosystem :

The Sophia Antipolis Business Hub, is home to the Secured Communicating Solutions and Pégase competitiveness clusters, the Telecom Valley association, the Institut Mines-Télécom and PACA Est incubators, the Regional Innovation and Internationalisation Agency (Agence Régionale d'Innovation et d'Internationalisation), a business incubator for around twenty start-ups, a co-working space, the 4G platform Com4Innov and the offices of the CCI. In 2014, it was recognised as a "Business Innovation Center" by the European Business Network.

SophiaTech : the new campus dedicated to ICT was opened in 2012. In addition to a strong academic centre (Nice Sophia Antipolis University/Polytech Nice Sophia, Eurecom/Telecom ParisTech, INRIA, CNRS, INRA), able to accommodate 3,000 students and 800 research professors, it is home to SATT Sud Est, the head office of the KIC ICT Labs, the CIM PACA collaborative platform and the new "SoLab" FabLab dedicated to the Internet of Things.

An international airport

● 5 - An international airport and a congress centre in the heart of the city

Nice-Côte d'Azur International Airport is **an international gateway** and the second French airport in terms of traffic with a permanent link to the Paris Hub (a flight every 20-30 minutes) and direct flights from the main cities in Europe, the Middle East (Istanbul, Tel Aviv, Beirut, Dubai), North America (New-York, Montreal) and North Africa (Marrakech, Casablanca, Tunis, Agadir, Monastir, Djerba, Alger, Constantine). Indeed, 56 regular airlines are linking Nice to nearly 100 destinations in 35 countries. Nice is also strongly connected with low-cost flights to the main European cities (Paris, Amsterdam, Barcelona, Brussels, Budapest, Dublin, Frankfurt, London, Moscow, Prague, Roma, Zurich, ...). Low cost companies represent in Nice 32 % of the market share and connect Nice to the main European cities.

The Nice-Côte d'Azur Airport is **only 20 minutes** away by tramway from the city centre and its Acropolis Convention Center.

The **Acropolis Convention Centre** exhibits various key advantages :

- In the heart of the city ;
- 5 minutes walking distance to the old town and to the Place Massena ;
- 10 minutes walk to the beaches ;
- Walking distance from the majority of congress hotels ;
- 20 minutes from the Nice Côte d'Azur International Airport by public transports.

It offers 5 auditoria with 250 to 2,800 seats, 40 meeting rooms from 20 to 800 seats, 9000 sqm modular space for exhibition, catering, and networking areas.

4 Increasing Delegates Experience



An ISPRS Congress is the most appropriate place for cross-fertilisation, knowledge sharing and Networking. Through social events, new contests and technological innovations, Nice 2020 aims to offer a large range of opportunities for these purposes. A privileged place will be given to students as well as to delegates from all continents. The key features are :

Favoring networking and experience sharing :



- Congress Party for all on July 14th, the French National Holiday, Bastille Day ;
- Industry and student lunches : everything will be done in order to ease cross-generation discussions, to establish stronger links between industry and academia, and to propose more career opportunities for students. Student Consortium and the White Elephant Club will be heavily involved in social program building ;
- New and more interactive contests: emphasis will be put on CATCON-based events, data contests, technological and sensor competitions (UAV etc.) ;
- Cross-communities experience: we will favor cross-fertilisation through dedicated workshops and sessions on emerging topics. We will promote interorganisational activities and stronger links with other scientific societies;

New means of participation :



- New scientific contents will be given to all attendees, before, during and after Nice 2020. Audience feedback and scientific chat tools will be made available for all delegates during the conference.
- All oral sessions will be streamed on the web for all registered delegates
 - Most of the oral sessions will allow for questions from the Internet audience
 - Real interactive sessions (e-posters) with interaction between the authors and the delegates before, during and after the congress
 - Increasing participation of countries of category 1 : congress sessions could be freely broadcasted in dedicated places in various continents (Africa, Asia, South America) in accordance with the concerned ordinary members.

Increasing ISPRS library media contents and knowledge sharing :



In addition to ISPRS Annals and Archives content, a maximal amount of new media data produced during the Congress will be released for the forthcoming years. The most adequate broadcast means will be defined in conjunction with the new Technical Commission V.

Olympiades :



Lots of fun with a large variety of attractive sports during the new ISPRS Congress games ! The Olympiades will be organised on the fringe of technical sessions around more or less serious events celebrating French traditions.

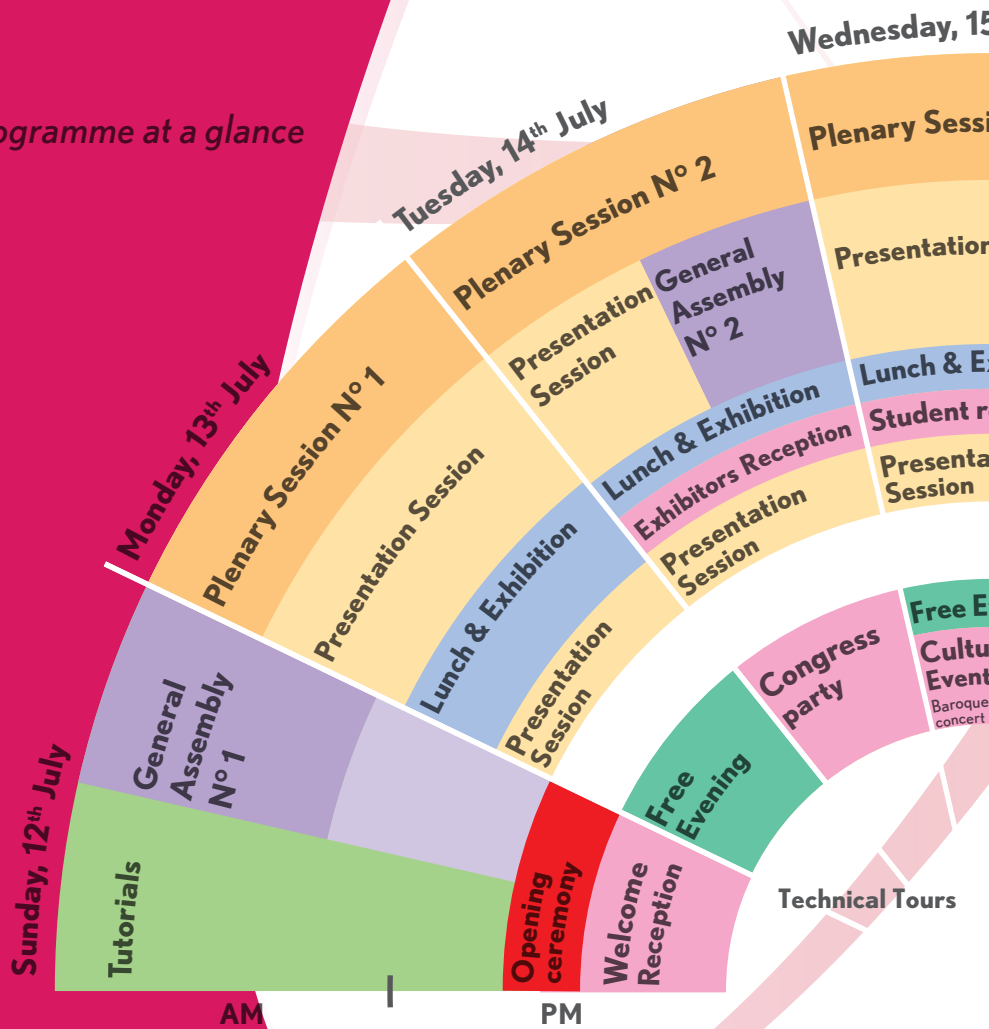
5 Programme

Overview

Highlights

The Congress will stretch over **7 days only**, the 1st day being dedicated to the first General Assembly and to Tutorials. **General Assemblies** will be limited to the number of **3**. Each morning will be dedicated to a specific plenary session so as to gather all attendees in the same place around cross-communities emerging and well established topics. The Industrial Exhibition will last 4 days and will host the Exhibitors and Student receptions for two lunches in order to favor networking and student integration within ISPRS-based activities. Alternately, technical slots will be composed of oral and interactive sessions. Thanks to technological media innovations, the programme will leave significant space for interactive and competition sessions so as to favor exchanges between scientists.

Programme at a glance





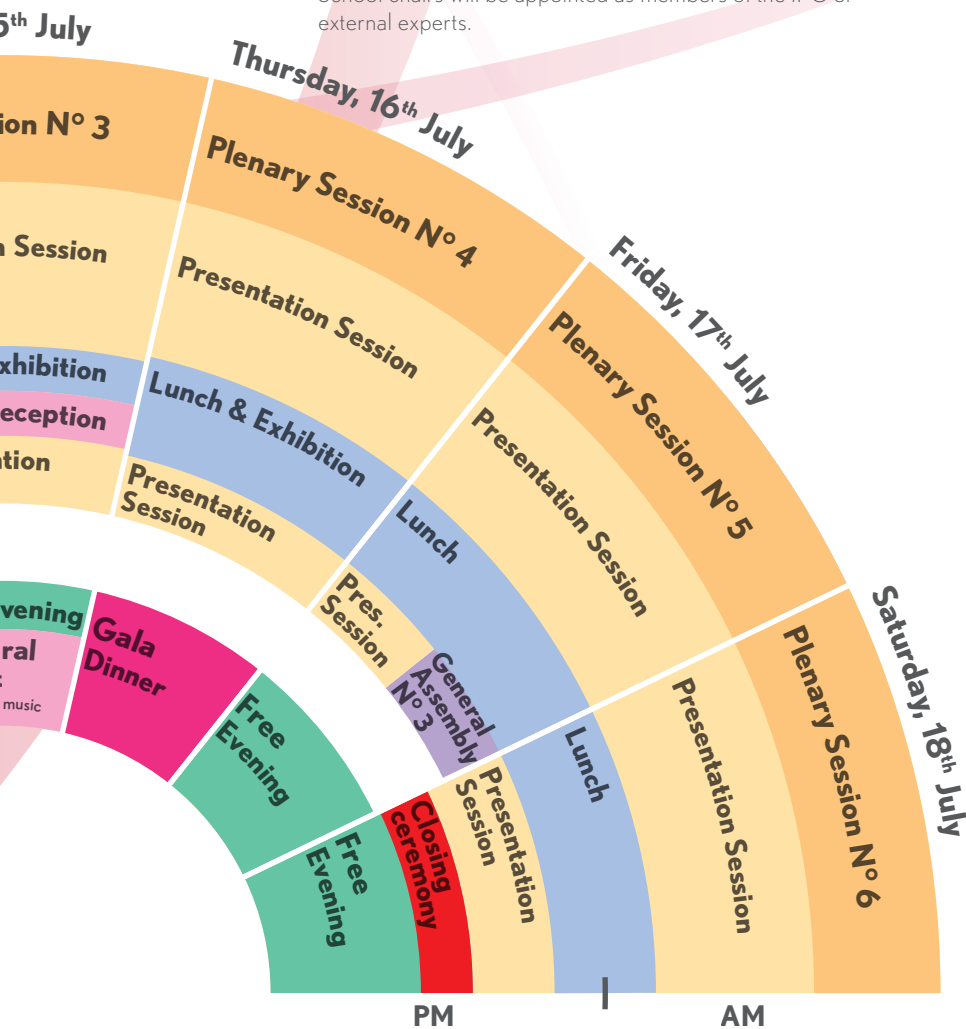
Technical Content

The first day of the Congress will be dedicated to tutorials that will run in parallel over a half or a full day. All main topics of ISPRS will be covered while avoiding content redundancy. Interactivity between students and teachers will be promoted. Tutorials will be located at the University of Nice, which is only 400m from the Acropolis Convention Center. Plenary sessions will be composed of both talks of keynote speakers and special sessions of broad interest. A call for workshops/special sessions will be released so as to let attendees design and define the most relevant technical program for the Congress. With such initiative, again we foresee promoting cross-domain sessions from a technical or a thematic perspective.

A Summer School will be organised before or after the Congress, in the city of Forcalquier, where IGN owns its Engineer School summer camp. Forcalquier is 2h30 distant from Nice. Bus transfer will be provided to students.

Organisation

Two programme chairs will be responsible for the technical sessions of the Congress, including the Call for Papers, Tutorials and Special Sessions, the reviewing process and the final selection of the most adequate content. They will act under the guidance of an International Programme Committee (IPC, composed of renowned experts and representatives of the five ISPRS Technical Commissions) and the congress director together with the two conference co-chairs. Tutorial, Special Session, Contest and Summer School chairs will be appointed as members of the IPC or external experts.



Social Programme

The social events of the congress have been planned to favour and multiply exchanges between different generations and are aiming at a better integration of youth and students within ISPRS. One of the major social events will be the congress party which will be free and open to all and will host street performances which belong to the french popular tradition of performing arts at the heart of what is called the french cultural exception. This congress will be a musical one, music being a strong link between cultures. It will host several professional music groups during the breaks (classical, lyrical, jazz, regional, etc.), but will also be open to all the scientists or group of scientists that would like to perform in front of their colleagues during the congress.

Opening Ceremony & Welcome Reception

Sunday 12 July 2020

(Acropolis Convention Center
and Palace Lascaris)

• The opening ceremony will be held at the Apollon Auditorium, followed by the Welcome Reception in the Palais Lascaris which is the most beautiful baroque building in Nice (5 minutes walk from the convention center)

Exhibitors Reception

Tuesday 14 July 2020

(Acropolis Convention Center,
industrial exhibition)

• The exhibitors reception will be held in the industrial exhibition area at lunch time.

Congress party

Tuesday 14 July 2020

(Acropolis Convention Center,
Les Muses Terrace)

• Unique Location in the Heart of Nice with a view on the hills and mountains surrounding Nice; included for all delegates.

Student reception

Wednesday 15 July 2020

(Acropolis)

• Relations for students with industry and senior scientists at lunch time.

Baroque music concert

Wednesday, 15 July 2020

Cathedral Sainte-Réparate

• A free concert of sacred music (Duet and Cantat of Haendel, cuban Baroque recital by the group Fuoco E Cenere, ...) will be organised in the Cathedral Sainte-Réparate, a splendor of the Baroque Architecture of the 17th century.

Gala Dinner

Thursday 16 July 2020

optional

at Villa Ephrussi de Rothschild
(Saint-Jean-Cap-Ferrat)

• The Villa is the most famous Renaissance-style palace in Côte d'Azur. It is surrounded by nine magnificent gardens with patios, fountains, ponds, flower beds, shady paths and rare trees. These are the Florentine, Spanish, French, Exotic, Stone, Japanese, Provençal, Rose and Sèvres gardens.

Villa Ephrussi de Rothschild
(Saint-Jean-Cap-Ferrat)



Optional Tours & Excursions

NICE, ORIENTATION TOUR (Half or full-day tour)

• Visit of the Sainte-Réparate Cathedral and the Lascaris Palace/Palais Lascaris, richly decorated with its large painted ceilings. Then drive to the Castle gardens where you will discover a superb view down over the roofs of the old town and the famous Baie des Anges.

In Cimiez, near the ruins of the Roman Arenas and spas, visit of the Franciscan monastery and the Monk's garden.

Also discovery of the famous Promenade des Anglais, bordered by palm trees, with its sea front and its beaches. Stop in the old town, with its famous flower market, full of colours held on the Cours Saleya, with its handicraft shops and typical restaurants.



**DISCOVERING MONACO'S
FASCINATING HISTORY AND
CULTURE**
(Half-day tour)

• The Principality of Monaco has had a long and interesting history, and many picturesque reminders of its heroic past under the Grimaldi dynasty are still present. The symbol of the centuries-old tradition is the Prince's Palace, standing atop the Rock of Monaco, overlooking the narrow medieval streets of the Old Town. Other world-famous tourist attractions of the Principality include the Oceanographic Museum and its extraordinary aquarium; the Exotic Gardens and their lush plants; and the sumptuously decorated gaming rooms of the Monte Carlo Casino.

THE PERFUME ROUTE
(Full-day tour)

• Discovery of Grasse the Capital of French perfumes. Visit of the famous Fragonard perfume factory, where you will have the opportunity to buy their perfumes and essences. Leave Grasse by way of Gorges du Loup, a beautiful and scenic drive to Saint-Paul de Vence, a medieval fortified village still surrounded by its 16th century ramparts. Saint-Paul de Vence was "discovered" in the twenties by painters and other artists who came and have made this town famous.

**TWO JEWELS OF
THE FRENCH RIVIERA**
(Full-day tour)

• Visit Eze the amazing village built 1.200 feet above sea level. Visit this enchanting village and its perfume factory. Continue to Beaulieu sur Mer, an oasis of peace, one of the warmest spots on the French Riviera. Visit the Villa Kerylos: a faithful reconstruction of a sumptuous Greek villa of ancient times which was conceived and built by the archaeologist Theodore Reinach. On a site reminiscent of the Aegean, the villa stands in a pleasant garden above the sea looking over Cap Ferrat and Cap d'Ail. Visit the Ephrussi de Rothschild Foundation: this amazing villa, the property of the Institute of France, exhibits exceptional collections of paintings and sculptures of all periods, furniture of the 18th century, carpets and tapestries, paintings by Monet, Sisley, Renoir... Discover the magnificent French gardens overhanging the two bays of Villefranche and Beaulieu.



**THE SOUTHERN
FRENCH ALPS**
(Full-day tour)

• Follow this scenic route where you will pass the rock walls of red slate in the upper valley and walls of limestone further down. Arrive in the little medieval village of Beuil, perched like an eagle's nest on the southern slope of a steep hill in the upper Cians Valley. Descent by the other side of the Valley, the Daluis Canyon, to Entrevaux, an amazing little village built in the Middle Ages with its drawbridge still intact.

**THE VAR AND ITS TYPICAL
CITIES & VILLAGES**
(Full-day tour)

• Discovery of Saint-Raphaël, Fréjus, Sainte-Maxime; stop in a typical provincial wine cellar and tasting of local wine. Visit of Port-Grimaud, a lake village named "Little Venice" and then visit the most beautiful bay of the Riviera called Saint-Tropez. Saint-Tropez has become one of the best-known resorts in Europe, a crossroads where journalists, writers, artists and celebrities all meet.



Technical Tours

**Observatory of
the Côte d'Azur -
Historical site of Nice
(Half-day tour)**

The Nice Observatory was founded in 1881 and is now one of the four sites which make up the Côte d'Azur Observatory, a public research centre for Earth sciences and astronomy. Located on Mont Gros to the East of Nice, the site combines an exceptional historical heritage with contemporary research facilities. To share the heritage of this exceptional site, the Nice Observatory offers tours for the general public on Wednesdays, Saturdays at 2.45 p.m.

In addition to learning some history of astronomy related to the Observatory, the guided tour along forest paths gives visitors an opportunity to appreciate the richness and beauty of the site's architectural and natural heritage, and a breathtaking panorama of the Baie des Anges.

**Observatory of
the Côte d'Azur -
Observation site
of the plateau of Calern
(Full-day tour)**

Since the 1970s, the Plateau de Calern near Grasse has housed instruments at the cutting-edge of technology in their field, including laser range finding and interferometry. The Schmidt telescope for imaging wide fields of view with limited aberrations was also intensely utilized until the early 2000s.

The Plateau de Calern became part of the Côte d'Azur Observatory in 1988. Today, the scientific life of the Plateau continues with projects that make the most of experience gained and the special relationship between astronomy, geophysics and solar physics, and innovative initiatives for research-led and practice-driven teaching.

Visitors can discover the exceptional nature of this site, its scientific history and the research currently being conducted, on a guided tour.

**Thales Alenia Space
(Half-day tour)**

Thales Alenia Space is a world leader in a wide range of space markets, including telecommunications, navigation, meteorology, environmental management, defence, Earth observation and science, and is also the leading private sector employer on the French Riviera. The visitors could observe first-hand the specific qualities of this high-tech facility, which offers satellite test and integration facilities unrivaled in Europe - more than 13,500 square metres of Class 100,000 clean rooms, including a single space spanning 8,700 square metres for satellite assembly and testing. Cannes also produces the most powerful optical instruments in Europe, namely Pleiades and CSO for very-high-resolution Earth observation, as well as the IASA (Infrared Atmospheric Sounding Interferometer), renowned for its accuracy in analyzing the chemical composition of the atmosphere, and more recently ESA Sentinel 3 which is now in orbit and is dedicated to the observation of the oceans. The instruments are assembled in a 600 square metre clean room which is Class 100 - an extreme level of cleanliness comparable to that used by the pharmaceutical industry.

Counting on its 7,200 employees, Thales Alenia Space is the world leader in (geostationary) weather satellites such as Meteosat since 1977. After building the seven first-generation Meteosat satellites as prime contractor, the company was selected in the mid-1990s to deliver four Meteosat Second Generation (MSG) satellites.

Most recently Thales Alenia Space was also selected to supply the Meteosat Third Generation (MTG), comprising six satellites: four imaging models and two atmospheric sounders.



INRIA Sophia Antipolis
(Half-day tour)

The tour includes a half-day stay at INRIA Sophia Antipolis - Mediterranee Research Centre which is a major player in the ICST research network in the Mediterranean Basin. INRIA, the French National Institute for Research in Computer Science and Control conducts research in the field of Information and Communication Science and Technology (ICST), and more generally in the fields of computer science and modelling. It extensively supports the organisation of the ISPRS congress in Nice. INRIA is located 20km from Nice Acropolis Convention Center.

The INRIA centre's priority themes are ubiquitous computing (ambient networks, grid computations, security, languages, web) and real-world computations (biomodelling, multiscale analysis, complex forms, environment, inverse problems, computer vision, medical imaging and robotics). Main research teams related to ISPRS topics will welcome attendees and present their state-of-the-art work of these subjects.

6 Venue

Acropolis Convention Centre

The Nice-Acropolis Congress and Exhibition Centre has been totally redesigned and redecorated by the world-renowned French architect Jean-Michel Wilmotte: a mix of grey, orange, beige and black colours giving to the Acropolis a sophisticated atmosphere with plenty of light, effects thanks to the natural light coming through the glass windows in some areas or the led lighted panels in others.





Leading venue for International Congresses

5 Auditoria : Seating capacity : 250 to 2,800 seats
40 Meeting rooms : from 20 to 800 seats
 9,000 m2 of modular space for exhibition, cocktails, networking areas

Modern Technologies : state-of-the-art electronics and AV equipment

- Fibre optic cabling
- Local and WIFI networks
- High speed internet access and LAN
- Equipment and IT networks
- LCD and plasma screens
- Centralized IT management of speaker previews

Nice-Acropolis is committed to the enforcement of a strict Green policy. Over the past five years, Nice-Acropolis has been innovating with waste management, recycling bins, and light-emitting diodes (LED). In 2014, it obtained the international ISO 14001 standard, that lays down the rules for corporate social responsibility in every event.

It also encourages sustainable commerce while offering superior premium coffee and organic fruits and juices to the participants...

Acropolis is completely adapted to hosting large international conferences. It has hosted a wide range of events in scientific fields related to **ISPRS** such as **IROS 2008, MICCAI 2012, EUSIPCO 2015**, as well as many other conferences with 1500+ attendees over the last five years : **E-MERS 2011 & 2019, ICAPP 2011, TM Forum Live ! 2013-2016, CARDIOSTIM** (since 2008, every 2 years), **EURETINA 2015, ECCE-10** etc.

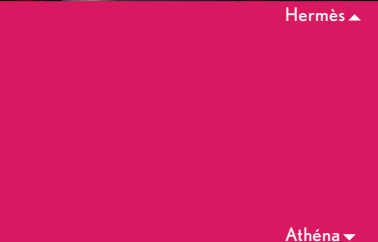
Rooms	Capacity	Level
Auditorium Apollon	2500 seats	1
Amphitheatre Athena	758 seats	2
Amphitheatre Hermes	300 seats	2
Room Clio/Thalie/Erato	280 seats	3
Room Risso 6	140 seats	2
Room Risso 7	140 seats	2
Room Risso 8	140 seats	2
Room Gallieni 4	90	2
Room Gallieni 5	90	2
Room Gallieni 7	90	2
Room Gallieni 3	40	2
Room Gallieni 6	40	2

Rhodes	2000 sqm	2	Exhibition & Catering
Méditerranée	1800 sqm	1	Exhibition & Catering
Agora 2	1475 sqm	2	Interactive Sessions, Networking
Agora 3	1390 sqm	3	Interactive Sessions, Networking
Muses & Terraces	4000 sqm	3	Congress Party

Gallieni 1	70 sqm	2	ISPRS Council
Gallieni 2	70 sqm	2	Speakers Lounge & Preview
Maia / Hermes	70 sqm	2	LOC
Offices Risso 1 - 6	6 offices	2	Tech Comm Pdt & Sec office



Hermès ▲



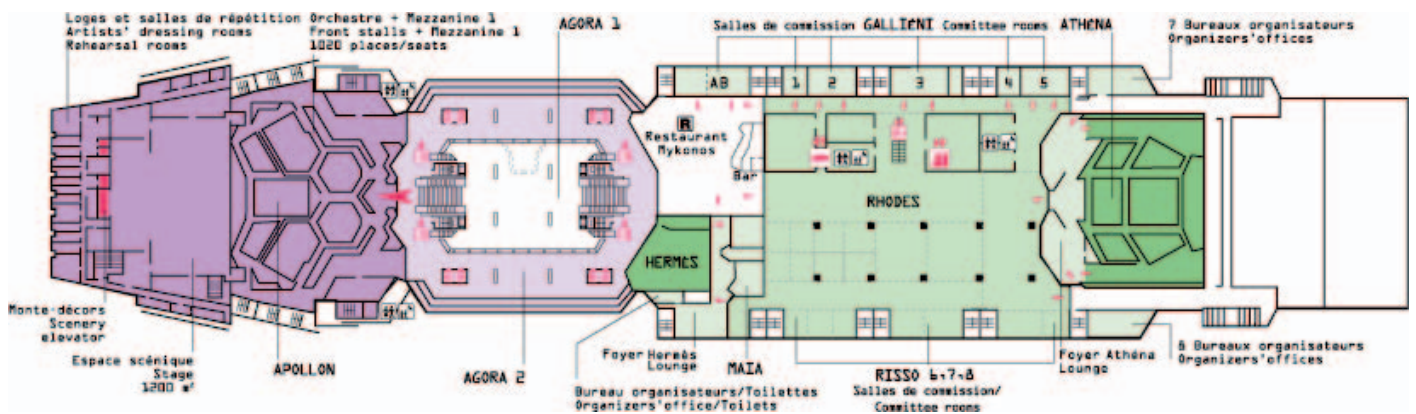
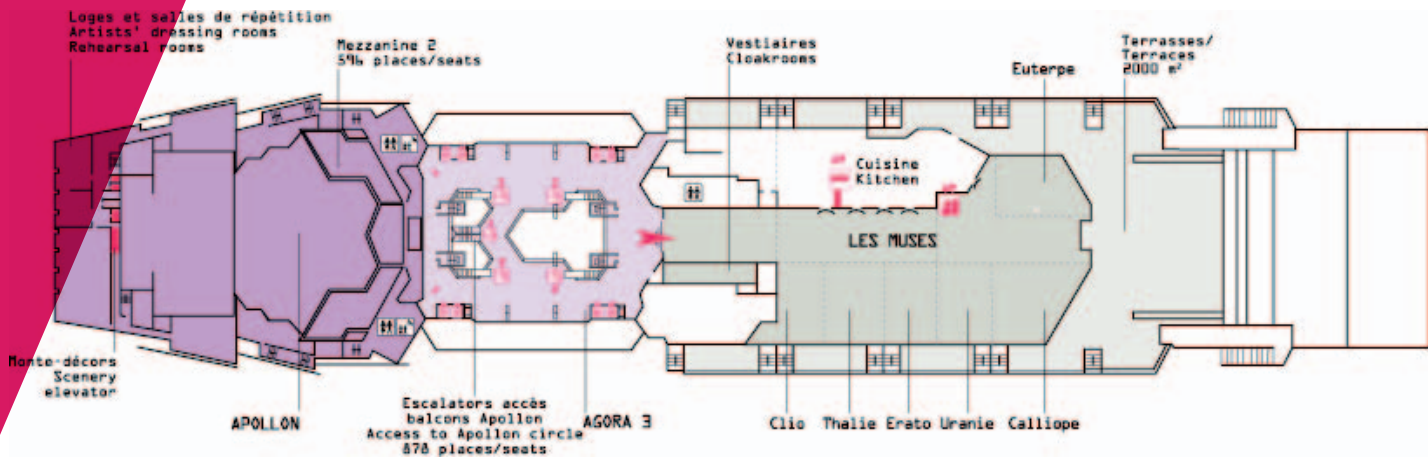
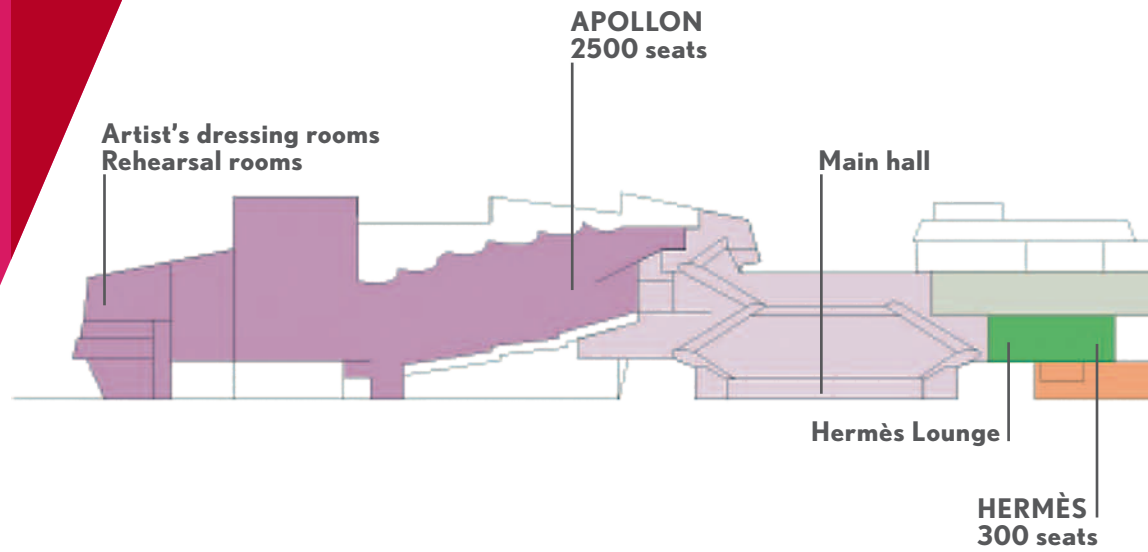
Athéna ▼

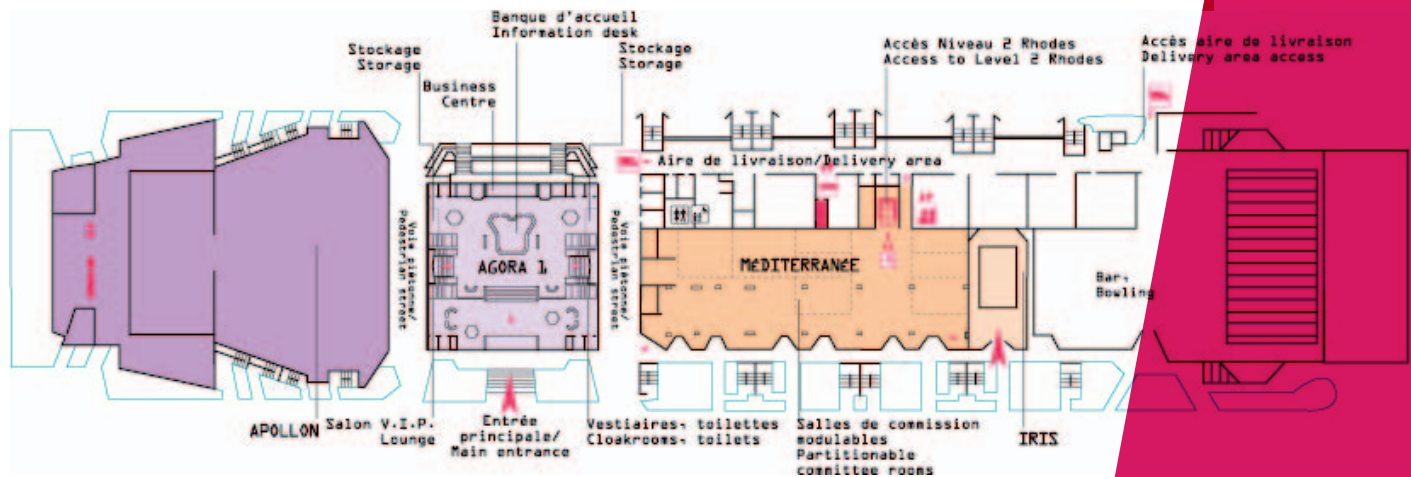
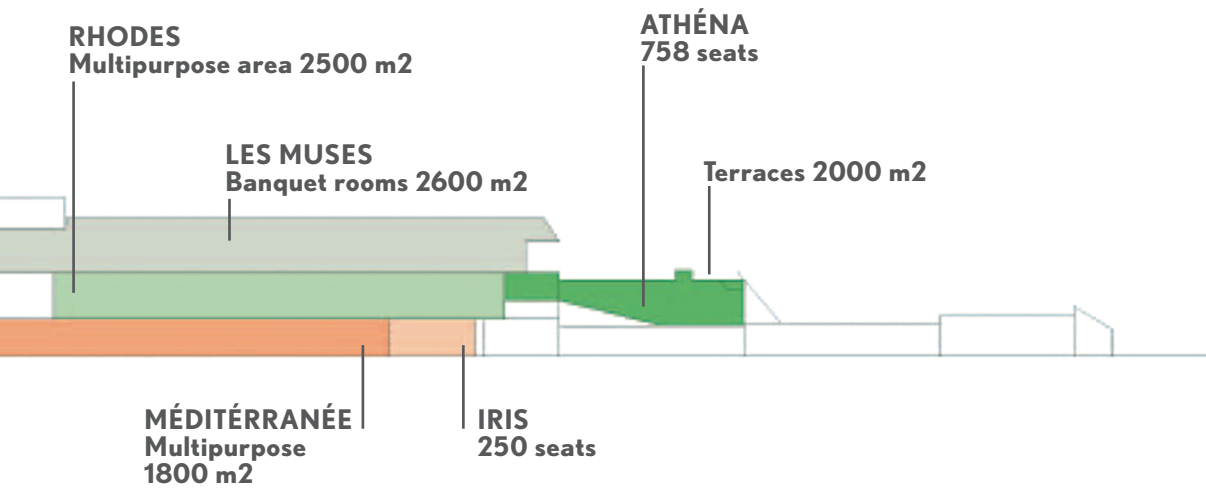


Apollon ▼



Acropolis Maps





Accommodation

What sets Nice apart from its rivals is its abundant and eclectic range of hotel accommodation.

It is the 2nd largest hotel facility in France and can comfortably host events for several thousand participants. From the grand deluxe and international chain of hotels in the city centre to small and charming hotels around the old city or up in the hills, from bold contemporary architecture to masterpieces of rococo, the choice is yours in a total of 10 000 rooms!



Hotels	Rooms	Quantity
★★★★★ & ★★★★★	3859	32
★★★★	3663	56
★★★	428	30
★★	219	4
Other category	986	51



Appartments	Rooms	Residences
★★★★	131	2
★★★	273	4
★★	256	3
Other category	138	4
Youth Hostel & Student Residences	200	



Selected hotel rates for ISPRS 2020	Average daily rate
★★★★★	260/280
★★★★	135/260
★★★	90/175
★★	55/110
Student Residence	35

The majority of congress hotels offer very short access times from the Place Massena via the walking distance to Acropolis or via the tramway. Hotels also turn towards a strong social corporate responsibility policy with corresponding green key & eco-labels.



Budget

BUDGET - as of March 2016

The budget is not contractually binding and will be adjusted according to the conference needs.
It was based on the following figures :

Number of delegates	1700
Accompanying persons	100
Exhibition sqm sold	800
Abstracts	2000

EXPENSES

1. AREAS RENTAL	320 000,00 €
2. AV & General Set up	300 000,00 €
3. COMMUNICATION & PROMOTION	80 000,00 €
4. GUESTS	25 000,00 €
5. STAFF	80 000,00 €
6. CATERING	150 000,00 €
7. SOCIAL PROGRAMME	200 000,00 €
8. DELEGATE SERVICES	17 000,00 €
9. PCO FEES	240 000,00 €
10. GENERAL EXPENSES	50 000,00 €

GRAND TOTAL EXPENSES ESTIMATE 1 462 000,00 €

INCOME

1. REGISTRATION FEES	900 000,00 €
ISPRS Registration fees 10 %	- 90 000,00 €
ISPRS foundation fees 1%	- 9 000,00 €
2. ACCOMPANYING PERSONS	20 000,00 €
3. SPONSORING	250 000,00 €
4. EXHIBITION	400 000,00 €
ISPRS Exhibition fees 2%	- 8 000,00 €

GRAND TOTAL INCOME ESTIMATE 1 463 000,00 €

RESULT 1 000,00 €



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Organised by



2020

PROPOULS ISPRS Nice