

Report of the Congress Organizing Committee

Curitiba – Paraná – BRAZIL
September 29 to October 5, 2019

IUFRO 25th World Congress



SFB, the Brazilian Forest Service

EMBRAPA, the Brazilian Agricultural Research Corporation

List of Acronyms (Institutions)

APFNet	Asia-Pacific Network for Sustainable Forest Management and Rehabilitation
BMU	Ministry of Environment, Nature Conservation and Nuclear Safety (Germany)
CATIE	Centro Agronómico Tropical de Investigación y Enseñanza
CCVB	Curitiba and Region Convention & Visitors Bureau
CNA	Brazilian Confederation of Agriculture and Livestock
CONAB	Brazilian National Supply Company
Embrapa	Brazilian Agricultural Research Corporation
Embrapa Florestas	Brazilian National Center for Forestry Research at EMBRAPA
ESALQ	Luiz de Queiroz Superior School of Agriculture
FABI	Forestry & Agricultural Biotechnology Institute
FEA	Eliseu Alves Foundation
FFPRI	Forestry and Forest Products Research Institute
FIP/Banco Mundial	Forest Investment Program/World Bank
FUPEF	Forest Research Foundation of Paraná
FSC	Forestry Stewardship Council
GIZ	Gesellschaft für Internationale Zusammenarbeit
IBAMA	Brazilian Institute of Renewable Natural Resources
IFSA	International Association of Students of Forest Engineering
INBAR	International Bamboo and Rattan Organisation
INPA	Brazilian National Institute on Amazon Research
INTA	Argentine National Institute of Agricultural Technology
IPEF	Institute of Forest Research and Studies
ITTO	International Tropical Timber Organization
IUFRO	International Union of Forest Research Organizations
IWCS/WWD	International Wood Culture Society/World Wood Day Foundation
KFW	Kreditanstalt für Wiederaufbau
MAPA	Ministry of Agriculture, Livestock, and Food Supply (Brazil)
MCTI	Ministry of Science, Technology and Innovation (Brazil)
MMA	Ministry of the Environment (Brazil)
OBSTUR/UFPR	Tourism Observatory of Paraná/UFPR
ITTO	International Tropical Timber Organization
NUBiP	National University of Life and Environmental Sciences (Ukraine)
Rede ILPF	Crop-Livestock-Forest Integration Network
SFB	Brazilian Forest Service
SIF	Forest Research Society
SIRE	Secretariat of Intelligence and Strategic Relations (Embrapa, Brazil)
Silva Fennica	The Finnish Society of Forest Science
UBC	University of British Columbia
UDESC	Santa Catarina State University
UFG	Federal University of Goiás
UFPR	Federal University of Paraná
UFV	Federal University of Viçosa
USDA	U.S. Department of Agriculture

List of Acronyms (IUFRO)

COC	Congress Organizing Committee
CSC	Congress Scientific Committee
EB	Enlarged Board
GFEP	Global Forest Expert Panels
GFIS	Global Forest Information Service
MC	Management Committee
SAP	Scientist Assistance Program
SPDC	Special Program for Development of Capacities
SPDF	Special Program Directors' Forum
WFSE	World Forests, Society and Environment

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Report of the Organizing Committee of the IUFRO 25th World Congress

Curitiba – Paraná – BRAZIL

1 Institutional arrangement for the Congress organization

The XXV World Congress of the International Union of Forest Research Organizations - IUFRO2019 - was held in Curitiba, State of Paraná, Brazil, from September 29 to October 5, 2019, at the Expo Unimed Curitiba Exhibition Center.

The protocol for the organizing world congresses under the aegis of the International Union of Forest Research Organizations (IUFRO) defines two committees responsible for planning, technical organization, logistics, and management: the Congress Organizing Committee (COC), and the Congress Scientific Committee (CSC). At IUFRO 2019, the COC was led by chair Joberto Veloso de Freitas and co-chair Yeda Malheiros de Oliveira. The COC also included a secretariat for management for the project, an assistant, and the vice presidents of eight subcommittees, which had their own team and assignments. The model adopted was partnership with universities that offer forest engineering courses and are affiliated with IUFRO. The CSC was led by Jerry Vanclay. The COC also had an advisory council composed of people with notable knowledge and experience in organizing congresses on a large scale.

Both the Board and the IUFRO Managing Committee participated in organizing the Congress with recommendations, suggestions, and guidelines for complying with the rules and procedures related to the organization.

A relationship of collaboration and dialog was constructed between the COC and CSC; the executive secretariat of the COC was a member of the CSC. There was also close communication between the components of the CSC, which included 17 members from various countries, and a Special Program for Development of Capacities (SPDC) that supports young scientists.

Financial and administrative management was done by the Eliseu Alves Foundation (FEA), which signed a technical cooperation agreement with the Brazilian Agricultural Research Corporation (Embrapa) and the Brazilian Forest Service (SFB) and subsequently hired MCI-Brazil, a company specialized in organizing congresses, to carry out the operational activities of this event (after a hiring process led by the COC).

The COC and FEA established operational relationships with the main actors in the city of Curitiba, Expo Unimed Curitiba (event venue), and the Curitiba and Region Convention & Visitors Bureau (CCVB), a nonprofit institution linked to the Curitiba Municipal Tourism Institute.

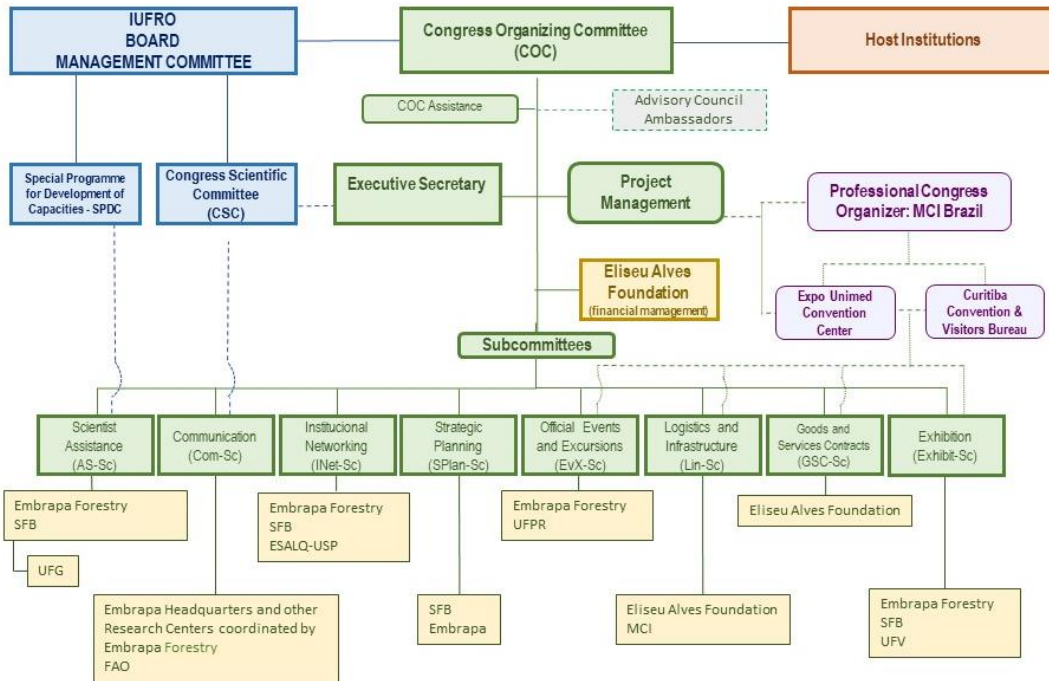


Figure 1: IUFRO2019 chart.

2 The Congress Organizing Committee

IUFRO, with a long tradition of coordinating world events, recommends, in its guidelines to candidate countries, the adoption of a Congress Organizing Committee (COC), which was operationalized at the Congress. IUFRO2019 COC is responsible for preparing this report.

Eleven companies specialized in organizing events were invited to participate in the selection process, and six submitted bids. After analyzing the results for the entire process, the team in charge of selection (comprised of representatives from the SFB, Embrapa Florestas, and FEA) chose MCI-Brazil to organize IUFRO 2019. It is up to the COC to hire a congress organizing company or not, at its discretion. The experience with the company hired as a professional congress organizer did not go as planned; most of the contact with sponsors was made by the COC and the IUFRO team. Administrative and financial management was performed by the COC, which had a project manager on the team. One positive point of MCI-Brazil's participation was their contribution to successful logistics during the event.

3 Communications During the Congress

The COC and CSC's decision to adopt three official languages (Portuguese, English, and Spanish) certainly provided a challenge for the communications team in creating materials (with regard to content as well as the meanings of messages).

This communication work involved numerous activities before, during, and after the event: support for the other committees, visual identity, creating and maintaining the IUFRO2019 website, planning and developing publicity strategies, managing social media, press relations, Congress coverage, producing the newsletter, producing videos during the event, providing support during ceremonies, photography, as well as other activities. All of this took place thanks to vital support from the IUFRO communication team.

During IUFRO2019, a team of communicators from Embrapa was responsible for supporting coverage of the event, with daily production of reports and a newsletter sent to the press. The team's work resulted in the production of: 51 reports, 9 newsletters, 23 videos produced and posted on social media and in newsletters, 65 social media posts and

147 stories on Instagram, 67 communications pieces created, transmission of the opening and closing ceremonies, as well as dealing with the domestic and international press.

During the Congress, there was also support and interaction with communications teams from institutions present at IUFRO2019, such as IFSA.

4 Congress Programming

IUFRO2019 was structured with activities distributed throughout a full week, beginning on September 29 and ending on October 5, 2019. The final program of events, summarized in the large-scale sessions, is depicted in Figure 2.

XXV IUFRO World Congress - IUFRO 2019								
Program Schedule								
Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
Time	29 Sep	30 Sep	01 Oct	02 Oct	03 Oct	04 Oct	05 Oct	
07:30 - 08:00					Congress Field Tours			
08:00 - 08:30								
08:30 - 09:00								
09:00 - 09:30		Opening Ceremony IUFRO Awards	Concurrent Technical Sessions	Concurrent Technical Sessions			Concurrent Technical Sessions	Concurrent Technical Sessions
09:30 - 10:00								
10:00 - 10:30	Planting Tree Ceremony (Botanical Garden)		Coffee break				Coffee break	
10:30 - 11:00								
11:00 - 11:30		Plenary Session	Plenary Session	Plenary Session			Plenary Session	Plenary Session
11:30 - 12:00								
12:00 - 12:30		Lunch	Lunch	Lunch			Lunch	Lunch
12:30 - 13:00		Poster Session	Poster Session	Poster Session		Poster Session	Poster Session	
13:00 - 13:30		Side Events	Side Events	Side Events		Side Events	Side Events	
13:30 - 14:00			Administrative Meetings	Administrative Meetings		Administrative Meetings	Administrative Meetings	
14:00 - 14:30	Registration + Participant kits	Concurrent Subplenary Sessions	Concurrent Subplenary Sessions	Concurrent Subplenary Sessions		Concurrent Subplenary Sessions	Concurrent Subplenary Sessions	
14:30 - 15:00								
15:00 - 15:30			Coffee break			Coffee break		
15:30 - 16:00								
16:00 - 16:30	Making the most of the Congress	Concurrent Technical Sessions	Concurrent Technical Sessions	Concurrent Technical Sessions		Concurrent Technical Sessions	Closing Ceremony	
16:30 - 17:00								
17:00 - 17:30			Side Events	Side Events		Side Events		
17:30 - 18:00	Cocktail Reception + Opening Exhibition Hall	Wangari Maathai Award						
18:00 - 18:30			Cooperation for Sustainability	Administrative Meetings	Administrative Meetings			
18:30 - 19:00							IUFRO Divisions	
19:00 - 19:30							Administrative Meetings	
19:30 - 20:00								
20:00 - 20:30		IUFRO Welcome Ceremony						
20:30 - 21:00								
21:00 - 21:30						Farewell Dinner		
21:30 - 22:00								

Figure 2. IUFRO2019 program schedule.

5 Congress Venue

The location chosen for IUFRO2019 was the Expo Unimed Curitiba convention center, located within the Positivo University campus. This venue has accessible infrastructure throughout its entire area to host an event of this size, along with pleasant nooks for use during breaks in the Congress or for networking with other participants. This arrangement also allowed the university halls and classrooms to be used for technical sessions, side events, and administrative meetings, which greatly multiplied the usage potential of Expo Unimed Curitiba. A survey by CCVB during the event confirmed the participants' approval of the site.

5.1 Organization at the Venue

The distribution of the technical sessions across the space reserved for IUFRO2019 (Figure 3) was planned according to the perceived demand for each topic. The plenary sessions took place in the main auditorium (the Positivo Theater), located very near the Expo Unimed Curitiba Convention Center within the campus of Positivo University (capacity: 2,400). The subplenary sessions were held in Wings 2 and 3 located within Expo Unimed Curitiba, as well as in the small auditorium in one of Positivo University's buildings; each space had the capacity to hold at least 600 people. The oral presentations occupied all the available rooms in Wings 2 and 3, along with 10 meeting rooms in the building that houses Positivo University's graduate programs. The smaller rooms can hold 50 people, while the others ranged from

120 to 750 seats. The scientific events at the Congress were organized with one plenary session held each day to total five sessions over the course of the Congress, and four subplenary sessions held every day except on the last day, when only three were held, totaling 19 sessions. The technical sessions took place in the morning and afternoon, except for the first and last days of the event, when only one session was held, totaling 189 simultaneous technical sessions. Poster sessions were held every day at kiosks that simulated 26 environments with simultaneous presentations, totaling 128 presentation points.

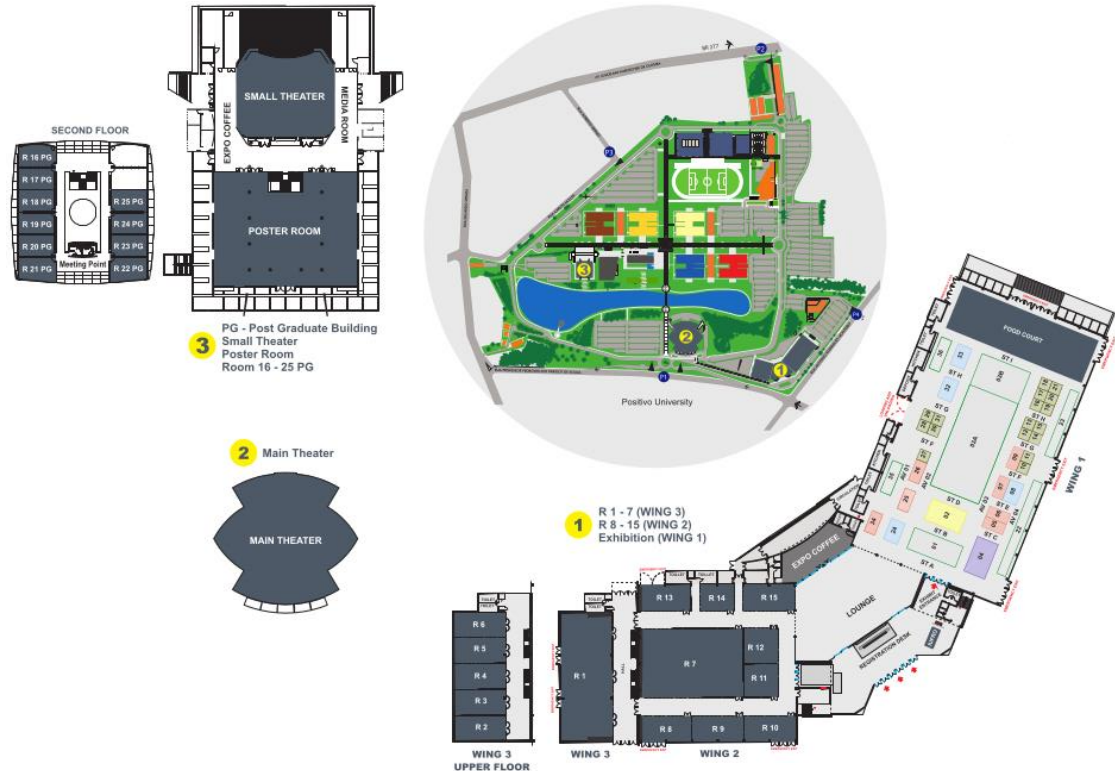


Figure 3. IUFRO2019 site map.

5.2 Transport During the Congress

IUFRO2019 offered transport to all participants for the entire duration of the Congress. Fifty buses with space for 40 passengers connected the center of the city and Expo Unimed Curitiba. Depending on the hotel where the participants were staying, this route took from 30 to 45 minutes. Bus service was also offered so the participants could take part in the Gala Dinner. This shuttle service made an estimated 18,000 passenger trips during the Congress period, with an average of 12 km for each trip.

6 Congress Participation

6.1 Congress Figures

- ♦ Participants: 2,725
- ♦ Countries: 96
- ♦ Session organizers: 195
- ♦ Sessions: 189
- ♦ Oral Presentations: 1,648
- ♦ Poster sessions: 964
- ♦ Destinations for technical visits: 15
- ♦ Student volunteers: 103
- ♦ Side events: 31

- Exhibitor spaces: 37

6.2 Participants Profile

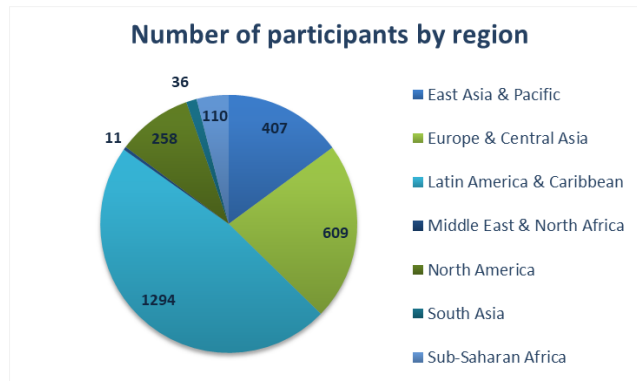


Figure 4. Number of Congress participants by region of origin.

The majority of participants came from Latin America and the Caribbean (green), followed by Europe and Central Asia (red), Southeast Asia and the Pacific region (dark blue), North America (teal), Sub-Saharan Africa (lilac), Southern Asia (orange), and the Middle East and Northern Africa (dark purple).

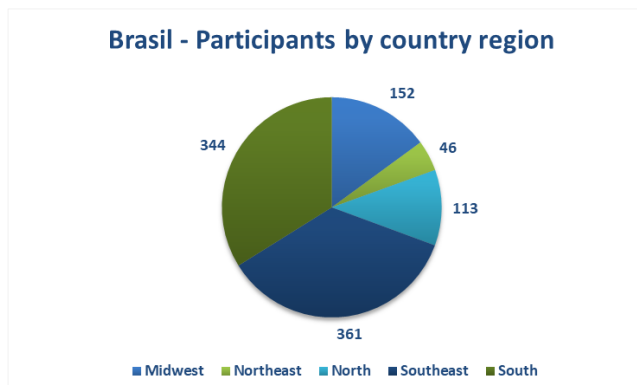


Figure 5. Number of Congress participants by region of Brazil.

Most Brazilian participants came from the Southeast region (purple), followed by the South (light blue), Center-West (dark blue), North (green), and Northeast (red).

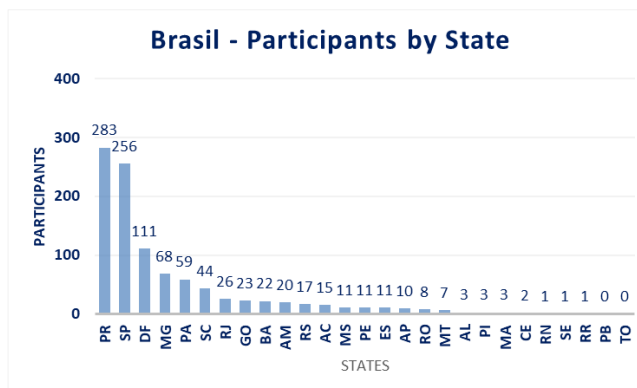


Figure 6. Number of Congress participants by Brazilian state.

Participation by Brazilian state is depicted in the graph above, in descending order.

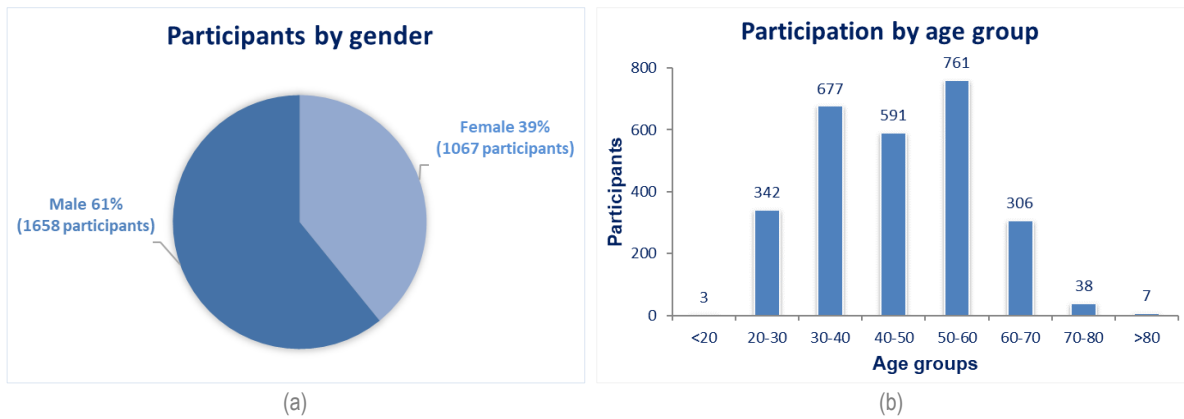


Figure 7: Overall Congress participation by gender (a) and age group (b).

By gender, 61% of participants were men and 39% women. Age groups are shown in the bar graph; the most representative age group was 50–60, followed by 30–40 and 40–50.

Table 1. Number of participants by IUFRO category

CATEGORY	N	%
IUFRO Member (Professional)	1,079	39.60
IUFRO Non-Member (Professional)	676	24.81
Student	603	22.13
Senior (70+ years)	30	1.10
Companion	27	0.99
SPDC	115	4.22
One-day	133	4.88
Press	48	1.76
Sponsored	8	0.29
Exhibitor	6	0.22
TOTAL	2,725	100.00

7 Congress Ceremonies

The ceremonies followed IUFRO protocol, with some adaptations and additions included by the COC with the approval of the CSC and the IUFRO directorship. Writing good scripts (with the help of the IUFRO team) laid the groundwork for the success of the processes involved in the ceremonies. Hiring a professional master of ceremonies proved to be a good choice, and was fundamental for logistics and movement of the public figures within the venue. The experience of those who were hired to implement the scripts (PCO and the scenography/musicalization company) also helped harmonize the processes.

7.1 Tree Planting Ceremony

The beginning of IUFRO2019 was marked by the traditional tree planting ceremony, with species typical of the region where the Congress is held. In 2019, the Araucaria, the symbol of Paraná state, was highlighted; this genus was chosen to commemorate the IUFRO Congress in Brazil, and was also part of the visual identity of this event.

The tree planting ceremony was held on September 29, a sunny Sunday, at the Botanical Garden of Curitiba, Paraná, and was attended by over 300 Congress participants.

Seedlings of Araucaria species from different regions of the world were planted: *Araucaria montana* (New Caledonia/Oceania); *Araucaria heterophylla* (Norfolk Island/Oceania), provided by José Tadeu Weidlich Motta, a researcher at the Curitiba Municipal Botanical Museum; *Araucaria araucana* (Chile/South America) grafted onto an

Araucaria angustifolia (Brazil/South America); *Araucaria angustifolia* grafted onto an Australian *Araucaria bidwillii*; and a highly productive clone of *Araucaria angustifolia* from the region of Caçador, Santa Catarina, Brazil, provided by UFPR professor Flávio Zanetti. The trees were planted in a prominent area of the Botanical Garden called the Araucaria Park, where a commemorative plaque was unveiled.



Figure 8: The IUFRO2019 tree planting ceremony, showing the planting of one of five *Araucaria* seedlings, with participation by (from left to right) UFPR Professor Flávio Zanetti; IUFRO president Mike Wingfield; and SFB director-general Valdir Colatto (a); unveiling of the plaque commemorating the IUFRO2019 Congress in the Araucaria Park section of the Botanical Garden, with a speech by Curitiba's Secretary of the Environment Marilza do Carmo Oliveira Dias (b); the plaque commemorating the event.

As part of the tree planting ceremony, a visit was organized to the Curitiba Municipal Botanical Museum, which since 1992 has been part of the city's Botanical Garden. The museum is home to a Botany Information Center and an herbarium with approximately 400,000 specimens from Brazil and abroad, and is meant to be a resource for scientific research and the dissemination of Brazilian flora. Here, samples collected in the state of Paraná as part of the National Forestry Inventory were displayed, and were of great interest to Congress participants.



Figure 9: Congress participants and public figures visit the Municipal Botanical Museum (a) and (b).

7.2 Opening Ceremony

The opening ceremony for the 25th IUFRO World Congress was held on Monday, September 30, and attended by approximately 2,000 people. The following public figures were invited: SFB director-general Valdir Colatto, head of Embrapa Florestas Edson Tadeu Iede; Paraná governor Carlos Roberto Massa "Ratinho" Júnior; Curitiba's mayor Rafael Greca; CONAB president Newton Araújo Silva Júnior; assistant director-general for FAO's Forestry Department Hiroto Mitsugi; and president of the International Forestry Students' Association Amos Amanubo.

During the ceremony, the prizes traditionally presented during the IUFRO Congress were awarded to outstanding professionals in the world of forestry:

Table 2: List of awards granted during the opening ceremony of the Congress and the respective winners.

AWARD	WINNERS
Host Country Scientific Achievement Award	Celso Edmundo Bochetti Foelkel; José Natalino Macedo Silva; Maria José Zakia; and Sebastião do Amaral Machado.
Scientific Achievement Award (SAA)	Daowei Zhang (USA); David J. Nowak (USA); Elena Paoletti (Italy); Ellen Macdonald (Canada); José L. de Moraes Gonçalves (Brazil); Junyong Zhu (USA); Margarida Tomé (Portugal); Maria Nijnik (UK); Marielos Peña-Claros (Holland); and Terry C. H. Sunderland (Canada).



(a)



(b)

Figure 10: Winners of the Host Country Scientific Achievement Award (a) and Scientific Achievement Award (SAA) (b).

A highlight of the opening ceremony was a film about the forests of Brazil and their importance to the economy, along with a presentation of Brazilian popular music and dance. In his speech, Paraná governor Carlos Roberto Massa "Ratinho" Júnior greeted the attendees and mentioned how important it was for Paraná to host the largest congress on global forest research, considering that the state has a tradition related to forest research since it is also home to the headquarters of large and prestigious companies that operate in various positions along the forest production chain. Curitiba mayor Rafael Greca also spoke; he thanked everyone for attending, emphasizing the importance of holding of the Congress in Brazil and especially in the city of Curitiba, and described the city, the origin of its name, and its traditions in terms of environmental conservation in public and private areas. He mentioned its 206 million square meters of green areas, woods, squares, environmental preservation areas, and urban refuges, which all result in 60 square meters of these areas per capita, almost twice the amount considered by the UN to be the goal for environmentally correct cities.



(a)



(b)



(c)

Figure 11: Welcome address by IUFRO president Mike Wingfield (a), during the opening ceremony of IUFRO2019 at the Positivo Theater (b), and participation by COC co-chair Yeda Maria Malheiros de Oliveira, COC chair Joberto Veloso de Freitas, and CSC president Jerry Vanclay (c).

7.3 Closing Ceremony

The closing ceremony for IUFRO2019 was held on the afternoon of Saturday, October 5, 2019. A special video made by the communications team was shown, depicting various moments during the Congress.

CSC president Jerry Vanclay thanked the other 16 members of the committee and the 195 session organizers, and also summarized what the participants experienced, professionally and personally, during IUFRO2019. Jerry also presented the Congress Declaration, which expressed collective concern with the environment, and emphasized the role of IUFRO's co-businesses, the sharing of scientific knowledge, and the need to wisely direct forest management.

IUFRO president Mike Wingfield told the story of the IUFRO Distinguished Service Award, and John Innes, chairman of the Committee on Honors and Awards, announced the winners of this award as well as the Best Poster Award. Niels Elers Koch, IUFRO president from 2009 to 2014, also received the Honorary Membership Award.

Table 3: List of awards granted during the closing ceremony of the Congress and the respective winners

CATEGORY	WINNERS
IUFRO Distinguished Service Award	Joberto Veloso de Freitas (Brazil); Yeda Maria Malheiros de Oliveira (Brazil); Jerry Vanclay (Australia); John Stanturf (USA); Piotr Paschalis Jakubowicz, (Poland).
Honorary Membership Award	Niels Elers Koch (Denmark).
Best Poster Award	Elizabeth Neire da Silva (Brazil); Angeline Martini (Brazil); Masakazu G. Iwaizumi (Japan); Wouyo Atakpam (Togo); Naohiro Imamura (Japan); Giovanni Mastrodonardo (Italy); Luiz Felipe de Castro Galizia (Spain); and Tchegoun Blaise Tchétan (Benin).

Next, IUFRO executive director Alexander Buck announced the IUFRO board of directors for the period 2019–2024.

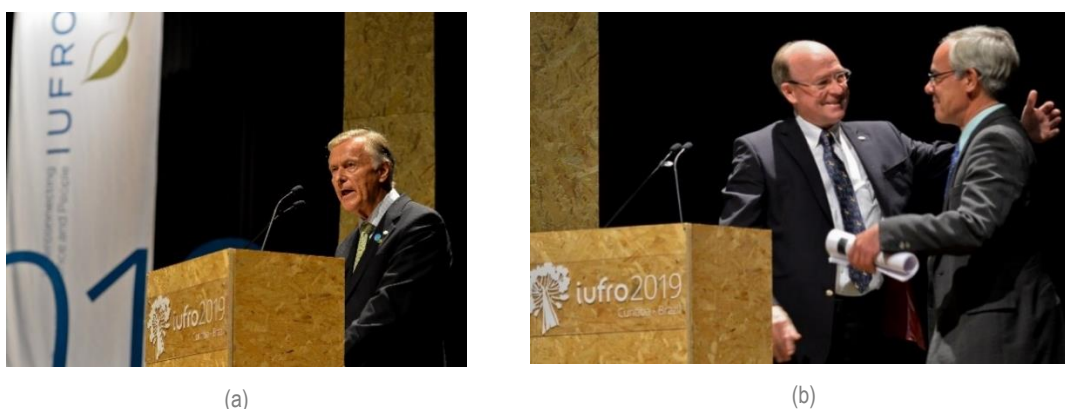


Figure 12: Speech by Niels Elers Koch, IUFRO president (2009–2014) (a) and official installation of new directorship: Mike Wingfield (2014–2019) (left) greeting John Parrotta (right), IUFRO president-elect (2019–2024) (b).

Other special moments included Mike Wingfield's last speech as IUFRO president and the first speech by John Parrotta, the lowering of the IUFRO flag by the Brazilians and transfer to the Swedes, with a speech by Johanna Brismar Skoog, Swedish Ambassador to Brazil who presented the flag to Fredrik Ingemarson, COC chair for IUFRO2024, which will be held in Stockholm, Sweden.



Figure 13: Sweden's Ambassador to Brazil, Johanna Brismar Skoog, handing the IUFRO flag to the COC chair for IUFRO2024, Fredrik Ingemarson.

7.4 Ceremonial Signing of the Declaration of Curitiba

On October 4, the next-to-last day of IUFRO2019, a ceremony was held to sign the Declaration of Curitiba, entitled "Forest Science for the Future." The declaration was drafted in the three languages of the Congress (English, Portuguese, and Spanish) ([Annex 1](#)) and recorded the signatories' commitment to a sustainable future. It was then presented to the public on a large panel exhibiting the text of the pledge, which was then signed by hundreds of Congress participants.



Figure 14: IUFRO2019 attendees signing the panel with the Declaration of Curitiba ("Forest Science for the Future") (a) and members of IUFRO, the COC, CSC, and Congress participants officially showing their support for the declaration (b).

8 Congress Exhibition and Fair Area

8.1 Area in Front of the Exhibition Center

The logo of the 25th IUFRO World Congress was placed in front of the main entrance to the Expo Unimed Curitiba center and served as a reference point and a favorite meeting place to take photos of Congress participants, friends, groups, and delegations.



(a)



(b)

Figure 15: IUFRO2019 logo (a) and group of IFSA participants recording their presence (b).

8.2 Entrance Hall and Lounge Within Expo Unimed Curitiba

Within the Expo Unimed Curitiba entrance hall, Congress participants were welcomed and were able to register, pick up their credentials and Congress materials, and obtain information or help from the support team.

IUFRO's display in the entrance hall was also very prominent, and helped spread awareness of this entity among Congress participants, particularly those from Latin America. IUFRO's Executive Secretary team (among others) used this opportunity to provide information about the organization's performance in the world of forest research, distribute printed materials, answer questions, and exchange ideas with a large number of people.



(a)



(b)



(c)

Figure 16: Expo Unimed entrance hall (a); IUFRO's display (b); at the IUFRO display, from left to right, Alexander Buck (IUFRO), Mike Wingfield (IUFRO), Junyong Zhu (USA), winner of the Scientific Achievement Award (SAA), and Alexander L. Friend (USDA/United States Forest Service) (c).

8.3 Exhibition

In the exhibition area itself, a 3,780 m² space located in Wing 1 of the Expo Unimed Curitiba center, the Congress exhibition and fair spaces were organized, along with the restaurant for IUFRO2019 participants. A total of 40 stands of various sizes were erected, representing Brazilian and international organizations in the public and private sectors, non-governmental organizations, and teaching and research institutions.

The Curitiba Square exhibit was located at the entrance to the exhibition area, welcoming participants to the city. This booth was the site of a visit from the city's mayor and the leaders of the institutions that organized IUFRO2019.



Figure 17: Curitiba mayor Rafael Greca, at the Curitiba Square exhibit, right foreground; SFB director Valdir Colatto, IUFRO president Mike Wingfield, and head of Embrapa Florestas Edson Tadeu Iede, in the background.

Also at the entrance of the exhibition, the booth for IUFRO2024, the next IUFRO World Congress, welcomed many Congress participants and was the site of various ceremonies.



(a)



(b)

Figure 18: IUFRO2024 exhibit; COC chair for IUFRO2024 Fredrik Ingemarson and Sweden's ambassador to Brazil, Johanna Brismar Skoog (a) and invited guests at the IUFRO2024 pre-launch event (b).

Stands for co-businesses and partnering institutions occupied a large portion of the exhibition area, and together with the Social and Biodiversity Fair and Exhibition provided opportunities for participants to get to know each other and share current experiences and future expectations about forests. It was also an excellent opportunity for business and for new partnerships. A special attraction at the exhibition hall was the Wood and Art Space.



(a)



(b)

Figure 19: Curitiba's mayor at the Wood and Art Space (a); Wood and Art Space (b).

Besides the traditional and thematic stands, the site also had meeting and business rooms, a press room, and an area for the partnering universities, with the common space coordinated by the students of these universities who volunteered during the Congress as well as students from IFSA.



Figure 20: IFSA students in the exhibition space.

To encourage visits to the exhibition stands and also promote interaction between participants, the coffee breaks were held in the corridors of the exhibition area.

The restaurant for the Congress participants was set up in the exhibition and fair area, with capacity to serve 400 people on a rotating basis. Besides this dining option, Congress participants were also able to eat in the two food courts at Positivo University, the café in the convention center, and an outdoor food court near the event venue.

8.4 The Brazilian Space

The Brazil Space was one of the most popular booths. It included panels, video presentations, distribution of materials on the main programs managed and developed by the participating institutions, as well as a virtual reality tunnel depicting integrated crop-livestock-forest management. Congress participants and visitors were able to meet researchers and technicians to get specific information and ask questions.



(a)



(b)

Figure 21: A few moments in the Brazil Space: Congress participants and visitors (a); the Biome Space (b).

In the Brazil Space, a special place was also organized for book launches and brief presentations (mini-talks) ([Annex 2](#)).



(a)



(b)

Figure 22: Book launch during IUFRO2019 (a) and (b).

8.5 The Products of Sociobiodiversity Exhibition and Product Fair

The Sociobiodiversity Exhibition and Products fair was organized in a prominent location within the exhibition hall. Non-timber forest products from six Brazilian biomes were presented via exhibit panels, and the products were also presented in their raw state so that visitors could see, touch, and try them.



(a)



(b)

Figure 23: Portal and panels at the entrance of the Social and Biodiversity Exhibition and Product Fair in the Brazil Space (a) and (b); some of the panels with information about the six biomes in Brazil.

Approximately 200 different types of products were sold in 12 booths occupied by 24 exhibitors, representing around 60 community projects across all of Brazil. For the most part, the Social and Biodiversity Exhibition and Product Fair was a great success for exposure and marketing, presenting handmade products from Brazilian biomes that all came from family agriculture producers whose presence was encouraged by the organizers of the space. The producers themselves answered questions from visitors who wanted to know more about timber and non-timber products from forests in Brazil's biomes, which were a great attraction at the Social and Biodiversity Product Fair.



Figure 24: Social and Biodiversity Exhibition and Product Fair: some products from Brazilian biomes and their producers (a), (b), and (c).

8.6 Visits by Students of Schools of Curitiba

On Thursday, October 3, the day that some Congress participants went on technical visits to locations outside the Expo Unimed Curitiba venue, the fair and exhibition area was opened up to students from public and private schools in the city of Curitiba for visitation. Approximately 600 students from elementary and high schools in the city participated. They were divided into two groups (morning and afternoon) and were able to interact with researchers and technicians from the exhibiting institutions and broaden their knowledge about forests and related products.



Figure 25: Students from Curitiba schools visiting the exhibition and fair area (a), (b) and (c).

8.7 Women in the Forest Photo Exhibition

The fair and exhibition area also hosted a photo exhibition entitled "Women in the Forest." This initiative was coordinated by Rede Mulher Florestal and its partners. Thirty photos sent by IUFRO2019 participants that focused on women in the forestry sector were selected. The goal of the exhibition was to encourage reflection on building a path to gender equality, in line with Sustainable Development Goal 5.



Figure 26: Women in the Forest photo exhibition (a) and (b).

9 Scientific and Side Events at the Congress

9.1 Plenary Sessions

IUFRO2019 offered participants five plenary sessions related to the five themes of the Congress. Some of these attention-attracting sessions included panelist participation, which enriched the approach to the themes.

Table 4: Plenary sessions of the XXV IUFRO World Congress in Curitiba.

DATE	THEME	KEYNOTE SPEAKER	PANELISTS	SESSION MODERATOR
September 30	Forests and Climate Change	Werner Kurz	Andrea Vasquez-Fernandez, José Carlos da Fonseca Junior, Pablo Pacheco, Peter Saile, and Thais Linhares Juvenal	Gerald Steindlegger
October 1	Biodiversity, Environmental Services, and Biological Invasions	Suzanne Simard		John Parrotta
		Ivonne Higuero,		
October 2	Forests for People	Purabi Bose		Björn Hånell
		Maria Chiara Pastore		
October 4	Forests and Forest Products for a Greener Future	Vincent Gitz		Daniela Kleinschmit
		Francisco Razzolini		
October 5	Forest, Soil, and Water Interactions	Meine Van Noordwijk		Shirong Liu
		Dipak Gyawali		



Figure 27: A few moments from plenary Sessions during IUFRO2019 (a), (b) and (c).

9.2 Subplenary Sessions

The subplenary sessions at IUFRO 2019 were organized and led by the CSC, which opted to hold one-hour sessions after lunch every day from Monday to Saturday (except on Thursday, the day of the technical visits). Nineteen plenary sessions were organized and divided into four daily sessions held simultaneously except for on Saturday, when there were three.

During one of the subplenary sessions, the Outstanding Doctoral Research Award (ODRA) and the IUFRO Student Award for Excellence in Forest Sciences (ISA) were presented.

Table 5: List of awards and respective winners.

AWARD	WINNERS
Outstanding Doctoral Research Award (ODRA)	Andrea Hevia Cabal (Spain); Angela L. de Avila (Brazil/Germany); Ida Karin Wallin (Germany); Lichao Jiao (China); René Zamora-Cristales (Guatemala); Rubén Valbuena (Spain); Sarah L. Burns (Argentina); Verónica F. Loewe Muñoz (Chile); and Zhen Yu (USA).
IUFRO Student Award for Excellence in Forest Sciences (ISA)	Andrea M. Vasquez-Fernandez (Peru); Ange A. Raharivoloniaina (Madagascar); Katharina Albrich (Austria); Khalil Walji (Canada); Shankar Adhikari (Nepal); and Shourav Dutta (Bangladesh).



Figure 28: A few moments from subplenary sessions during IUFRO2019 (a) (b), (c), (d) and (e); the winners of the ODRA and ISA awards (f).

Also within the context of the subplenary sessions, the Directors Forum was held in order to engage leaders of institutions, businesses, and academic institutions with a focus on transfer of knowledge, along with the Communicators Forum, which discussed changes in forestry communication.

Table 6: Number of subplenary sessions for each theme at the IUFRO2019 Congress.

SUBPLINARY SESSIONS		
Theme	N	%
Forests for People	4	21.0
Forests and Climate Change	3	15.8
Forests and Forests and Forest Products for a Greener Future	2	10.6
Biodiversity, Ecosystem Services, and Biological Invasions	4	21.0
Forest, Soil, and Water Interactions	1	5.3
Communication, Education, Networking and Publishing	5	26.3
TOTAL	19	100.0

9.3 Technical Sessions

The COC launched a public call for papers on the IUFRO2019 website for technical sessions related to the five themes of the Congress. By the end of the submission period, the organizing committee received approximately 350 proposals, which was the first indication that the Congress would be a success. The CSC efficiently selected the proposed technical sessions, and considering aspects such as limits on physical space and time available, also proposed the merger of some sessions, resulting in a total of 182 technical sessions. In addition, seven technical sessions were held

on a special theme that became a classic in past editions of the Congress: Communication, Education, Networking and Publishing. In this way, a total of 189 technical sessions were held at IUFRO2019, with 195 session organizers.

Table 7: Number of technical sessions for each theme at the IUFRO2019 Congress.

TECHNICAL SESSIONS		
THEME	N	%
Forests for People	36	19.0
Forests and Climate Change	32	16.9
Forests and Forests and Forest Products for a Greener Future	59	31.3
Biodiversity, Ecosystem Services, and Biological Invasions	43	22.8
Forest, Soil, and Water Interactions	12	6.3
Communication, Education, Networking and Publishing	7	3.7
TOTAL	189	100.0

In the same way, the Congress organizing committee received voluntary works submitted as abstracts. The CSC selected 2,612 abstracts to comprise the scientific corpus of IUFRO2019: 1,648 oral presentations and 964 poster presentations.



Figure 29: A few moments from technical sessions at IUFRO2019: (a) (b), (c), (d), (e), and (f).

9.4 The E-Poster Sessions

Poster sessions were organized in a digital format (e-posters), which was new for the IUFRO World Congress. For these sessions, 26 television sets were connected to tablets and updated daily with all the projects presented in this format.



Figure 30: A few moments from presentations and poster sessions during IUFRO2019 (a) (b) and (c).

The hall where the poster presentations took place was planned by an architecture firm that designed the area so that each TV terminal had enough space for its audience. These terminals were available for consultation and discussion throughout the Congress. Presentations were always scheduled from 12:30 to 1:30 pm; each poster presenter had six to eight minutes reserved for his or her presentation. A total of 964 e-poster sessions were presented over 128 sessions.

Table 8: Number of technical e-poster sessions for each theme at the IUFRO2019 Congress.

E-POSTER SESSIONS		
THEME	N	%
Forests for People	19	14.8
Forests and Climate Change	26	20.3
Forests and Forests and Forest Products for a Greener Future	46	36.0
Biodiversity, Ecosystem Services, and Biological Invasions	23	18.0
Forest, Soil, and Water Interactions	11	8.6
Communication, Education, Networking and Publishing	3	2.3
TOTAL	128	100.0

9.5 Side Events

IUFRO2019 provided the space and infrastructure (rooms with a computer, multimedia projector, and in larger rooms, a sound system) for side events. For additional demands, the COC recommended service providers to the organizers of the 31 side events held during the Congress.

Table 9: Number of side events for each theme at the IUFRO2019 Congress.

SIDE EVENT SESSIONS		
THEME	N	%
Forests for People	9	29.0
Forests and Climate Change	2	6.4
Forests and Forests Products for a Greener Future	5	16.3
Biodiversity, Ecosystem Services, and Biological Invasions	8	25.8
Forest, Soil, and Water Interactions	1	3.2
Communication, Education, Networking and Publishing	6	19.3
TOTAL	31	100.0

The side events involved different entities related to forestry issues. Other groups were also able to organize discussion panels on specific topics, share research, discuss relevant forestry issues, promote projects, programs, new technologies, or services, and also receive criticism and suggestions via interaction between the speakers and audience; it was also an excellent opportunity to strengthen networks and professional associations.



Figure 31: Presentations at two different side events held in the Positivo University theater (a) and (b).

10 Special Congress Sessions

10.1 Presentation of the Wangari Maathai Award

Leonidas Nzigyimpa (Burundi) received the Wangari Maathai Forest Champions Award in recognition of his great commitment and contribution to improving forests and the lives of indigenous peoples, women, and young people in his country. He was presented the award by FAO's assistant director-general for forests, Hiroto Mitsugi.



(a)



(b)

Figure 32: FAO assistant director-general Hiroto Mitsugi (left), presenting the 2019 Wangari Maathai Award to Leonidas Nzigiyimpa (center), and IUFRO president Mike Wingfield (right) (a); speech by Leonidas Nzigiyimpa (b).

10.2 Cooperation for Sustainability - Declarations from IUFRO's Partners

During the IUFRO2019 Congress there was a special session aimed at the entity's key international partners. The session took place following the presentation of the Wangari Maathai Award on Monday, September 30, prior to the welcome ceremony organized by IUFRO.



(a)



(b)

Figure 33: Participation by the head of the U.S. Forest Service Vicki Christiansen during the Cooperation for Sustainability session (a) and representatives from IUFRO's partner institutions (left to right): Ingwald Gschwandtl (Government of Austria), Vicki Christiansen (United States Forest Service), Alexander Buck (IUFRO), Barbara Távora (UNFF), and Gerhard Dieterle (ITTO) (b).

11 Working Meetings at the Congress

11.1 IUFRO Administrative Meetings

The IUFRO administrative meetings were individually or jointly organized by IUFRO's research groups, working groups, task forces, and special programs. It was also a special opportunity for the nine divisions of IUFRO to hold their specific meetings with their usual members, new members, and people interested in each theme. These meetings were open to Congress participants and addressed administrative issues related to the different units of IUFRO, and did not address issues related to research; 51 meetings were held during IUFRO2019.



Figure 34: Participants of the Group Forest Landscape Ecology – IUFRO Division 8 meeting.

11.2 Meeting of the IUFRO International Committee

IUFRO's International Committee meets during its world congresses. During IUFRO2019 the meeting, which lasted 4 hours, was held on Wednesday, October 2, at the Expo Unimed Curitiba center. Approximately 50 delegates acting as official representatives of their countries participated in the meeting.



(a)



(b)

Figure 35: Meeting of the International Committee (a) and (b).

11.3 Meetings of the Management Committee and the IUFRO Enlarged Board Prior to the Congress

The COC also organized IUFRO's two main meetings of the 2014–2019 directorship. During each administration, these meetings take place during the week prior to the World Congress.

The meeting of the IUFRO Managing Committee was held on September 25 at the Four Points by Sheraton Curitiba Hotel in Curitiba. The 58th meeting of the IUFRO Enlarged Board took place on September 26 and 27/09, also at the Four Points by Sheraton Curitiba Hotel in Curitiba, and included members of the Managing Committee and the coordinators and deputy coordinators of IUFRO's nine divisions.



Figure 36: Official photo of the IUFRO Enlarged Board during its meeting in Curitiba the week prior to IUFRO2019.

12 Technical Visits During the IUFRO Congress

12.1 Pre-Congress Technical Visit

The pre-Congress trip included seven foreign researchers who visited Brazil's leading forestry companies in terms of technology (Westrock, Scanco, Klabin, and Suzano) and PETAR, the Alto Ribeira State Park, which includes a set of caves amid the Atlantic Forest.



Figure 37: Technical visit to forestry companies: plantations (a) and internal area (b); visit to the PETAR cave complex (c).

Five other five trips prior to the Congress were organized and offered to the participants, but were canceled due to low demand.

12.2 Technical Visits During the IUFRO Congress

On Thursday, October 3 the traditional technical visits of the IUFRO Congress took place. Fourteen excursions were organized for the participants ([Annex 3](#)).



Figure 38: Technical visits during the IUFRO Congress (a) and (b).

Furthermore, at the request of a group of Croatian researchers, an additional technical visit was arranged to a farm located in the greater Curitiba region which focuses on planting *Pinus taeda* for commercial purposes. The group also visited Embrapa Florestas, where they could see plantations of different species of eucalyptus which were used to study the adaptation of this species to Brazil; there they also visited the arboretum and the Araucaria orchard where techniques are developed to graft *Araucaria angustifolia* and achieve early production of pine nuts from smaller trees. Another group of Chinese researchers interested in soils expressed interest in visiting some wetland areas, and accompanied by experts they were able to visit an area in the Curitiba Metropolitan Region.



Figure 39: Technical visit to wetland area (a), (b), and (c).

12.3 Post-Congress Technical Visits

Twenty-four participants participated in a technical visit to the Amazon biome; they were able to see the management and processing of certified tropical timber (Precious Wood Co), visit forestry research institutes (INPA and Embrapa), and see research on forestry practices (Aruanã Farm) and management. At the end of the technical visit they also went on a sightseeing tour in Manaus and the surrounding region, sailing on the Amazon River and visiting riverine areas.

Four other post-Congress trips were organized and offered to the participants, but were canceled due to low demand.



Figure 40: Participants in the technical visit to the Amazon Biome visiting the forest (a) and the forest industry in the region of Manaus (b).

13 Social Events at the Congress

13.1 Opening Cocktail for the Exhibition and Fair

The opening cocktail for the fair and exhibition organized by the COC was held on September 29, and brought together approximately 1,100 participants in a continuous space between the exhibitors and the entrance hall.

After the official ribbon cutting, visitors began to explore the booths and exhibits to the sound of Brazilian music. The cocktail hour featured foods prepared with products from the forest.



Figure 41: Speech by co-chair of the IUFRO2019 COC, Yeda Maria Malheiros de Oliveira, during the opening of the fair and exhibition (a), ribbon cutting by SFB director-general Valdir Colatto and IUFRO president Mike Wingfield (b), and opening cocktail for the fair and exhibition (c).

This gave Congress participants a chance to explore Expo Unimed Curitiba, register for the event, and pick up their materials, avoiding lines and crowds the following day when the opening ceremony was held and the technical sessions began. Participants received a kit of materials with a backpack and several other items including the Congress schedule.



Figure 42: Congress materials (a), (b) and (c).

13.2 The IUFRO Welcome Reception

The opening cocktail reception offered a time to relax and interact with the other Congress participants. This reception was less formal than the other ceremonies and had no speeches; it was meant to provide a chance for participants to meet old friends, mingle, and get to know other Congress participants. The reception was held on September 30, shortly after the presentation of the Wangari Maathai Award and the Cooperation for Sustainability session. It took place in the lounge and fair/exhibition space in the convention center, and had good attendance by Congress participants, who experienced the musical attractions and visited the social areas of this event.

13.3 The President's Dinner

The President's dinner was held on Tuesday, October 1 at Bobardi, for approximately 110 guests, including sponsors and key partners, award winners, lecturers, and directors of the institutions that organized IUFRO2019.



Figure 43: A few words from IUFRO executive director Alexander Buck (a) and a speech by IUFRO president Mike Wingfield during the dinner (b).

13.4 The Gala Dinner

About 1,300 people attended the gala dinner held at Madalosso; this is one of the largest restaurants in the world in terms of capacity, and is located in Curitiba's traditional Italian dining district. The menu offered various options and traditional Brazilian sweets for dessert.

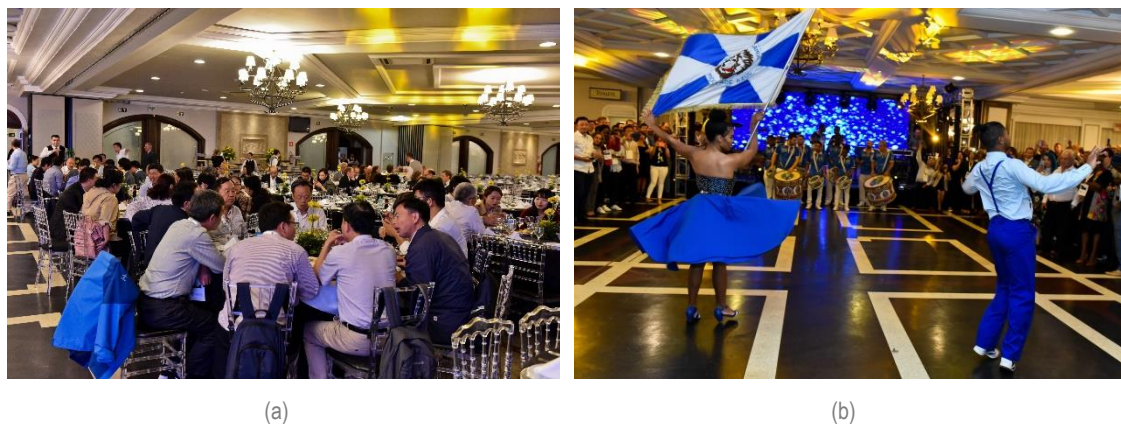


Figure 44: Gala dinner (a) and presentation by one of Curitiba's samba schools following the dinner (b).

The dinner featured live music and one of Curitiba's samba schools. Two photo booths were provided so that participants could capture and celebrate the moment.

14 Initiatives for Youth and Young Scientists to Participate in the Congress

14.1 Volunteer Program

The IUFRO2019 Congress Volunteer Program was meant to engage students in supporting the event through volunteering, providing an opportunity for them to participate actively in the technical discussions.

The selection process was open, and widely publicized. Eligibility was restricted to students enrolled in undergraduate or graduate programs (master's or doctorate) in forest engineering or related fields who spoke at least two languages and were able to volunteer every day during the Congress. Ninety-three participants were selected: 81 Brazilians representing the 5 regions of Brazil, as well as students from Argentina, Colombia, Cuba, Ethiopia, Ghana, Italy,

Mozambique, Peru, and South Africa. The volunteers were exempted from registration fees and received training on September 27 and 28.



Figure 45: Volunteer training: instructor and organizer Patrícia Póvoa de Mattos (a); delegation of volunteers from UFV (b); training instructor and organizer Sybelle Barreira, and some volunteers (c).

The training was divided into modules to illustrate the infrastructure and logistics of the different activities planned for the Congress. The students' activities during the Congress were divided into shifts for registration, distribution of materials, and support for Congress participants in receiving their work and during the presentations (oral and posters). Students were also required to participate in a technical visit. At the end of the event, the volunteers received a certificate of participation in the IUFRO2019 volunteer program.

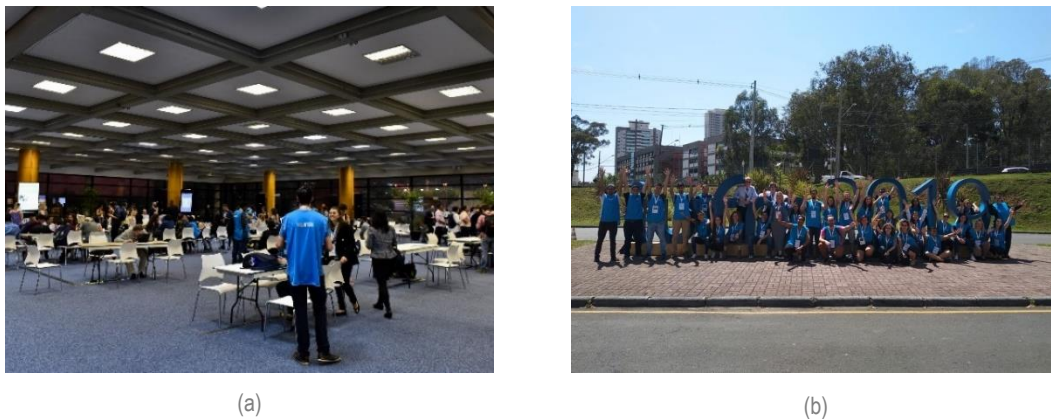


Figure 46: Volunteers (blue shirts) provided support during various activities at the Congress (a) and a group of volunteers in front of the IUFRO2019 logo (b).

14.2 IFSA-IUFRO Mentoring Initiative

The IFSA-IUFRO Mentoring Program for the 25th IUFRO World Congress brought together experienced scientists, forestry professionals, or academic representatives interested in sharing their knowledge with younger students just starting out in their forestry science career (post-doctorate students and researchers in the first five years of their career). Interested parties from both sides expressed their interest through the IUFRO2019 website, and the IFSA staff matched them according to common interests. Sixty-nine students and early-career researchers were matched as part of the scientific guidance program, which was organized according to three topics: i) mentoring of scientific content; (ii) mentoring between pairs at the Congress, and (iii) mentoring in the IUFRO divisions.



(a)



(b)

Figure 47: IUFRO Division Mentoring meet-up session, with the participation of 35 students/early-career researchers (a) and (b).

14.3 Incubator Initiative (IUFRO)

The IUFRO Incubator offered an opportunity for 21 graduate students and recent graduates to submit an oral summary of their senior project/master's thesis/doctoral dissertation in the "three-minute thesis" format with one slide. Presentations were given in English, Portuguese, and Spanish. The short presentations dealt with one or more of the five Congress themes, and the sessions were moderated by representatives from IFSA. The presentations were made available electronically on the IUFRO2019 page.

14.4 "Making the Most of the Congress" – Congress Dynamics

This 90-minute session was held on the afternoon of Sunday, September 29 and organized by the SPDC/IUFRO for first-time participants in the World Congress. The meeting gave participants an overview of what to expect at IUFRO2019, including information about the Expo Unimed Curitiba center, introductions to the scientific program and other events at the Congress, and recommendations on networking and exchanging information so that the participants could get the most from this first experience. The participants sponsored by SPDC/SAP were also encouraged to participate in the *Making the Most of the Congress* session.



(a)



(b)

Figure 48: Project manager for IUFRO2019, Erich Gomes Schaitza, during *Making the Most of the Congress* (a) and the audience at the session (b).

14.5 IUFRO Special Program for Developing Capacities (SPDC)

SPCD/SAP made every effort to provide travel grants for forest scientists from economically disadvantaged countries in Africa, Asia, Latin America, and Eastern Europe to participate in the Congress. For IUFRO2019, two programs were utilized: (a) support for young scientists (SAP) and b) support based on projects for scientists who collaborate on projects within the SPDC's thematic networks. There were more than 1,000 requests for financial support.

In accordance with selection criteria involving several indicators, a total of 103 forest scientists from economically disadvantaged countries in Africa, Asia, Latin America, and Eastern Europe received support to participate in IUFRO2019. Gender balance was achieved with resources from SPDC/SAP, helping 54% women scientists and 46% male scientists. As for geographic balance, SPDC/SAP provided the most support to scientists from Latin America (around 40%), since this was the first time that a IUFRO World Congress was held in South America. Scientists from Africa and Asia each received approximately 30% of the sponsorship from this program.

In accordance with the SPDC management, support based on projects was provided to 22 scientists in Africa, Asia, and Latin America who are currently involved in a thematic network project funded by donations from the German Ministry of Environment, Nature Conservation, and Nuclear Safety (*BMU*). Furthermore, SPDC funded the participation of another 13 scientists from various countries at IUFRO2019, who were hired to work with the SPDC as workshop instructors, other specialists, or consultants in communication and dissemination in forestry science.

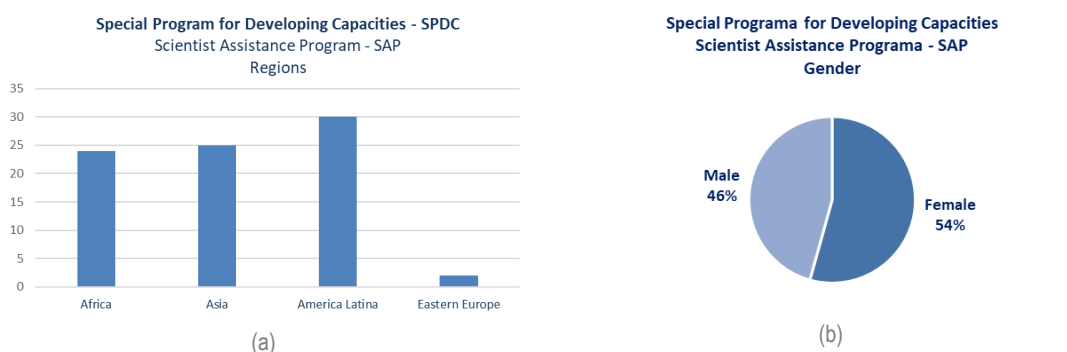


Figure 49: Scientists sponsored by SPDC/SAP, according to region of origin (a) and gender (b, men in red and women shown in blue).

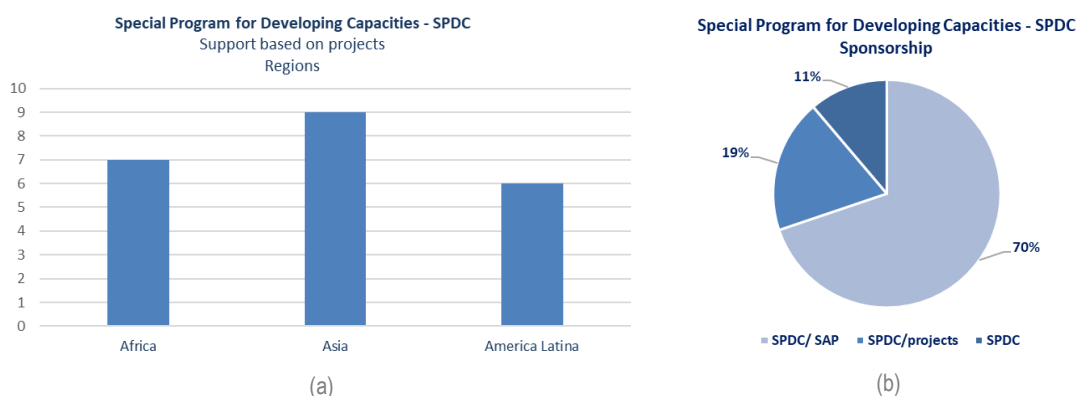


Figure 50: Scientists sponsored by thematic network project (donation from the German BMU) according to region of origin (a) and share of different types of sponsorship (b).

Nearly all the sponsored scientists participated in the training workshops, which were free, and were able to choose from four options that were held in parallel sessions during September 26, 27, and 28, 2019:

- Scientific methods in forestry research (conducted in English);
- Systematic review in forest sciences (held in English);
- Implementing forest landscape restoration in Africa and Asia (held in English);
- Implementing forest landscape restoration from Latin America (held in Spanish).



(a)



(b)



(c)



(d)

Figure 51: The coordinator of SPDC/SAP, Michael Kleine, opening the training workshops (a); young scientists sponsored by SPDC (b); Róger Villalobos (CATIE/Costa Rica) with participants in the workshop Implementing Forest Landscape Restoration in Latin America (c); and Gillian Petrokofsky (Oxford University/United Kingdom) with participants at the Systematic Review in Forest Sciences workshop (d).

15 Congress Partners



Figure 52: Logos of international and national organizing organizations.

TEAM INVOLVED IN ORGANIZING IUFRO2019

IUFRO Management Committee, 2014–2019

Mike Wingfield, President (South Africa)

Björn Hånell, Vice President of the Divisions (Sweden)

John Parrotta, Vice President for Task Forces, Special Programs, Projects, and Initiatives Led by IUFRO (USA)

Niels Elers Koch, President 2009–2014 (Denmark)

Alexander Buck, Executive Director (Austria)

Michael Kleine, Coordinator of the Special Program for Developing Capacities - SPDC/SAP (Austria)

Daniela Kleinschmit, Representative for the Divisions to the Management Committee (Germany)

Jung-Hwan Park, Representative for the Regions to the Management Committee (Republic of Korea)

The IUFRO Team

Andre Purret (Manager of Global Forest Expert Panels, GFEP); Astrid Toppel; Brigitte Burger; Daniel Boehnke; Eero Mikkola (coordinator of the Global Forest Information Service, GFIS); Eva Schimpf; Gerda Wolfrum; Heimo Schaffer; Janice Burns; Judith Stoeger-Goiser; Juha Hautakangas; Margareta Khorchidi; Pia Katila (coordinator of World Forests, Society and Environment, WFSE); Renate Pruessler (coordinator of SilvaVoc Terminology), and Sylvia Fiege.

HOST INSTITUTIONS LEADERSHIP

Valdir Colatto, Director-General of the Brazilian Forest Service - SFB (Brasília/DF)

Edson Tadeu Iede, Head of Embrapa Florestas 2013–2019 (Colombo/PR)

CONGRESS ORGANIZING COMMITTEE (COC)

COC Leadership

Joberto Veloso de Freitas, Chair (Brazilian Forest Service, Brasília/DF)

Yeda Maria Malheiros de Oliveira, co-Chair (Embrapa Florestas, Colombo/PR)

Coordination Group

Joberto Veloso de Freitas (Brazilian Forest Service, Brasília/DF)

Yeda Maria Malheiros de Oliveira (Embrapa Florestas, Colombo/PR)

Patrícia Póvoa de Mattos, Executive Secretary (Embrapa Florestas, Colombo/PR)

Erich Gomes Schaitza, Project Manager (Embrapa Florestas, Colombo/PR)

Maristela Avila Abrantes (Embrapa Florestas, Colombo/PR)

Sandra Regina Afonso (Brazilian Forest Service, Brasília/DF)

Communication Subcommittee

Kátia Pichelli, Luciane Jaques, Paula Saiz, and Erich Gomes Schaitza (Embrapa Florestas, Colombo/PR)

Júlia Tavares Borges, Juliana Gomes (SFB, Brasília/DF)

Sybelle Barreira (UFG, Goiânia/GO)

Francine Calil (UFG, Goiânia/GO)

Martin Sanchez Acosta (INTA, Argentina)

Excursions Subcommittee

Umberto Klock, Ana Paula Dalla Corte, Alan Sulato de Andrade, Alexandre Behling, Christel Lingnau, Dimas Agostinho Silva, Dornelles Vissotto Junior, Maurício Balensiefer, Nelson Yoshihiro Nakajima, Ricardo Jorge Klitzke, and Vítor Afonso Hoeflich (UFPR, Curitiba/PR).

Institutional Networking Subcommittee

Luiz Carlos Estraviz Rodriguez, Teresa Cristina Magro Lindenkamp, Edson José Vidal da Silva, Katia Maria Paschoaletto Micchi de Barros Ferraz, Pedro Henrique Santin Brancalion, Silvio Frosini de Barros Ferraz, and Weber Antônio Neves do Amaral (ESALQ, Piracicaba/SP).

Exhibition Subcommittee

Fabiano de Melo, Carlos Moreira Miquelino Eieto Torres, Amaury Paulo de Souza, Carlos Machado, Cibele Amaral, Gleison Augusto dos Santos, Marcos Oliveira de Paula, and Sebastião Valverde (UFV, Viçosa/MG).

Strategic Planning Subcommittee

Joberto Veloso de Freitas, Celso Salatino Schenkel, Flávia Rejane Ricco, Luciano Barbosa de Lima, and Sandra Regina Afonso (SFB, Brasília/DF); Yeda Maria Malheiros de Oliveira, Patrícia Póvoa de Mattos, Erich Gomes Schaitza, Jairo Dolvim Dantas, and Maristela Avila Abrantes (Embrapa Florestas, Colombo/PR), and Elísio Continni (FEA, Brasília/DF).

Logistics and Infrastructure Subcommittee / Goods and Services Contracts Subcommittee

Erich Gomes Schaitza (Embrapa Florestas, Colombo/PR), Cláudio Amancio (FEA, Brasília/DF), Lyris Gonçalves, and the team at the congress organizing company (MCI-Brazil, São Paulo/SP).

Staff at the Eliseu Alves Foundation (FEA)

Elísio Contini, President/CEO of FEA 2018–2019 (Brasília/DF);

Cláudio Humberto Amancio, Suelma Cardoso Martins, Clebia Sobrinho, Jackeline Campos, Marilene Paz.

Advisory Council

Alan Bojanic (FAO, Colombia)

Rafael Zavala (FAO-Brazil, Brasília/DF)

Richard Guldin, COC chair for IUFRO2014 (Washington D.C./USA)

CONGRESS SCIENTIFIC COMMITTEE (CSC)

CSC President

Jerry Vanclay (Southern Cross University, Australia)

CSC Members

Alexia Stokes, Division 8 (French National Institute for Agricultural Research, INRA, France)

Björn Hånell, vice president for divisions (Swedish University of Agricultural Sciences, Sweden)

Cecil Konijnendijk, Division 6 (University of British Columbia, Canada)

Daniela Kleinschmit, Division 9 (University of Freiburg, Germany)

Dolores Pavlovic, Student Representative (International Forestry Students Association, IFSA)

Donald Hodges, Division 4 (University of Tennessee, USA)

Eckehard Brockerhoff, Division 7 (Scion Crown Research Institute [CRI], New Zealand)

John Parrotta, Vice President for Task Forces, Special Programs, Projects and Initiatives Led by IUFRO (US Forest Service, USA)

Joseph Cobbinah, Representative for Africa (University of Ghana, Ghana)

Manuel Guariguata, Representative for Latin America (Center for International Forestry Research, CIFOR, Peru)

Patrícia Póvoa de Mattos, Representative for the COC (Embrapa Florestas, Brazil)

Pekka Saranpää, Division 5 (Natural Resources Institute Finland/Luonnonvarakeskus - Luke, Finland)

Pil Sun Park, Division 1 (Seoul National University, Korea)

Sandra Luque, Division 8 (National Research Institute of Science and Technology for Environment and Agriculture, IRSTEA, France)

Santiago González-Martínez, Division 2 (French National Institute for Agricultural Research, INRA, France)

Woodam Chung, Division 3 (Oregon State University, USA)

BOOTHS AND ADMINISTRATIVE SPACES WITHIN THE FAIR AND EXHIBITION

N	NAME	RESPONSIBLE ORGANIZATION	TYPE OF ORGANIZATION	COUNTRY
1	Curitiba Square	Municipal Institute of Tourism - Curitiba Municipal Government	Public	Brazil
2	Stockholm 2024	IUFRO2024 Congress Organizing Committee	Public	Sweden
3A	The Brazil Space	Embrapa and SFB	Public	Brazil
3B	Social and Biodiversity Fair	SFB and Embrapa	Public	Brazil
4A	Women in the Forest photo exhibition	Rede Mulher Florestal and Melhoramentos Papel e Celulose (CMPC)	Non-governmental organization	Brazil
4B	Press room	Embrapa and SFB	Public	Brazil
5	Forestry and Forest Products Research Institute (FFPRI)	Forestry and Forest Products Research Institute (FFPRI)	Research	Japan
6	Sysflor Forest Certifications	Sysflor Forest Certifications	Private	Brazil
7	Suzano	Suzano S/A	Private	Brazil
8	XPrize	XPrize Foundation	Non-governmental organization	US
9	International Wood Culture Society/World Wood Day Foundation	International Wood Culture Society (IWCS) / World Wood Day Foundation (WWD)	Non-governmental organization	Taiwan and China
10	Lim Geomatics	Lim Geomatics Inc.	Private	Canada
11	INBAR	International Bamboo and Rattan Organisation (INBAR)	Non-governmental organization	China

12	Silva Fennica	The Finnish Society of Forest Science	Non-governmental organization	Finland
13	The University of British Columbia	University of British Columbia (UBC)	Education and Research	Canada
14	Oficina de Textos	(publisher) Oficina de Textos	Private	Brazil
15	FSC	Forestry Stewardship Council (FSC)	Non-governmental organization	Germany and Brazil
16	Biome 1 - Amazon	SFB and Embrapa	Public	Brazil
17	Biome 2 - Caatinga	SFB and Embrapa	Public	Brazil
18	Biome 3 - Cerrado	SFB and Embrapa	Public	Brazil
19	Biome 4 - Atlantic Forest	SFB and Embrapa	Public	Brazil
20	Biome 5 - Pantanal	SFB and Embrapa	Public	Brazil
21	Biome 6 - Pampa	SFB and Embrapa	Public	Brazil
22	Wood and Art/Madeira e Arte	Municipal Institute of Tourism - Curitiba Municipal Government	Public	Brazil
23	Partner universities of the Congress and IFSA, IUFRO partner	SFB and Embrapa	Public	Brazil
24	Klabin	Klabin S/A	Private	Brazil
25	ITTO	International Tropical Timber Organization (ITTO)	Non-governmental organization	Japan
26	Marconi	Marconi - Laboratory equipment	Private	Brazil
27	APFNet	Asia-Pacific Network for Sustainable Forest Management and Rehabilitation (APFNet)	Non-governmental organization	China
28	Federal Ministry of Education and Research - Research in Germany - Land of ideas	Federal Ministry of Education and Research	Non-governmental organization	Germany
29	Joanneum Research	Joanneum Research Forschungsgesellschaft mbH	Research	Austria
30	Chinese Academy of Forestry (CAF)	Chinese Academy of Forestry (CAF)	Research	China
31	Haglöf	Haglöf Sweden	Private	Sweden
32	Brazil's investment plan for the FIP	Forest Investment Program (FIP) - World Bank	Non-governmental organization	US
33	Meeting room (COC/CSC)	Embrapa and SFB	Public	Brazil
34	United Nations Development Programme (UNDP)	The United Nations (UN)	Non-governmental organization	US
35	IPEF	Institute of Forest Research and Studies	Non-governmental organization	Brazil
36	Meeting room - Congress participants and guests	Embrapa and SFB	Public	Brazil
37	CCVB and Aroma Park	Curitiba and Region Convention & Visitors Bureau and Aroma Park Network	Non-governmental organization	Brazil
38	IUFRO	IUFRO	Non-governmental organization	Austria

Some partners were present at the fair and exhibition, while others contributed resources, products, and gifts for Congress participants, as well as other forms of cooperation. One special sponsor was Berneck Brazil. In addition, support was provided to the Congress organization in various manners by the following institutions: Brazilian Center

for Technological Research (CNPq), IUFRO2024 Congress Organizing Committee, Curitiba and Region Convention & Visitors Bureau (CCVB), Embratur, Food and Agriculture Organization of the United Nations (FAO), Araucária Foundation, Eliseu Alves Foundation (FEA), Brazilian National Supply Company (CONAB), Government of the State of Paraná/Paraná State Secretariat of Agriculture and Supply, Curitiba Tourism Institute, Botanical Garden of Curitiba, the Curitiba Municipal Botanical Museum, Curitiba Municipal Government.

IUFRO2019 also received support from the following organizations: Bahia Association of Forest-Based Companies (ABAF), Brazilian Association of the Mechanically Processed Wood Industry (ABIMCI), Santa Catarina Association of Forest Enterprises (ACR), Minas Gerais Association of Forest-Based Industry (AMIF), Paraná Association of Forest-Based Companies (APRE), Mato Grosso do Sul Association of Producers and Consumers of Planted Forests (REFLORE MS), Brazilian Federal Council of Biology (CFBio), São Paulo Association of Producers, Suppliers, and Consumers of Planted Forests (FLORESTAR), Rede Mulher Florestal, and the Aroma Park Network.

No event can achieve its goals without communications support. In addition to the Congress organizing institutions' press teams, the following were fundamental for publicizing IUFRO2019: Malinovski/Viagens Técnicas, Forests/MDPI), Interact - Communication and Press Consulting, Portal Revista Referência, and Mais Floresta/Paulo Cardoso Comunicações.



Figure 53: Logos of co-businesses.

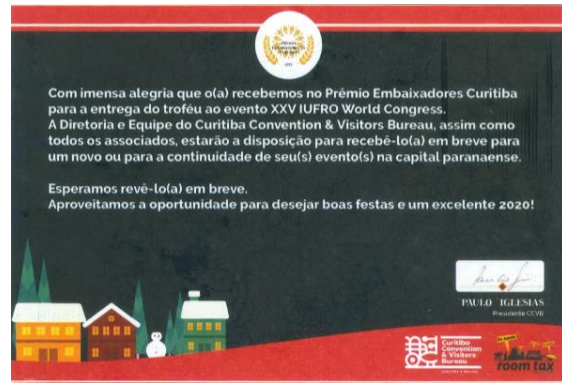
15.1 Curitiba Ambassador Prize

The Curitiba and Region Convention & Visitors Bureau (CCVB) conducted a survey in partnership with the Curitiba Municipal Tourism Institute and OBSTUR/UFPR, interviewing 108 people during IUFRO2019. The objective of this survey was to collect data on tourist demand for events in Curitiba.

CCVB also awarded the Curitiba Ambassador Prize to the organizers of IUFRO2019, as contributors to development in the city of Curitiba. The award was presented on November 21, 2019.



(a)



(b)

Figure 54: Curitiba Ambassador Prize presented to the COC members present at the event. From left to right: COC assistant Maristela Avila Abrantes; IUFRO2019 project manager Erich Gomes Schaitza; COC co-chair Yeda Maria Malheiros de Oliveira; director-superintendent of SEBRAE-PR, Vitor Roberto Tioqueta; and COC chair Joberto Veloso de Freitas – from mailer depicting the award ceremony, front (a) and back (b).

16 Annexes

16.1 Annex 1: Declaration of Curitiba (Versions in English and in Spanish)

16.1.1 English version

“Forest Science for the Future

XXV IUFRO World Congress, Curitiba, Brazil, October 2019

Over 2,500 scientists from 92 countries assembled at the Congress to discuss the plight of the world’s forests. This first congress in South America allowed a specific focus on this region of the world rich in forest resources. Deforestation and climate change were identified as two of the most pressing problems worldwide.

The IUFRO World Congress offered a unique opportunity to share evidence-based knowledge across disciplines and continents, to discuss the state of the forests, the challenges and consequences, and possible solutions. As a result, we recognise urgent issues and advocate for the knowledge of forests provided by the global IUFRO network to mobilize forest science for a sustainable future.

We commit to accelerate our own efforts to provide knowledge and practical solutions

- *to foster good land management for water and wildlife;*
- *to prevent deforestation and to repair damaged landscapes;*
- *to supply wood products that have a lower carbon footprint than alternatives; and*
- *to enable forests to fulfil the physical and spiritual needs of society.*

We reiterate the calls by the global youth to “listen to the scientists,” and recognise the need for the science community to speak up in new ways to highlight the fundamental role science and technology must play in finding effective, economically viable solutions.”

16.1.2 Portuguese version

“Ciência Florestal para o Futuro

XXV Congresso Mundial da IUFRO, Curitiba, Brasil, outubro de 2019.

Mais de 2.500 cientistas de 96 países se reuniram no Congresso para discutir a situação das florestas do mundo. Este primeiro congresso na América do Sul permitiu um foco específico nessa região do mundo, rica em recursos florestais. O desmatamento e as mudanças climáticas foram identificados como dois dos problemas mais prementes do mundo.

O Congresso Mundial da IUFRO ofereceu uma oportunidade única de compartilhar conhecimentos baseados em evidências, entre disciplinas e continentes, para discutir o estado das florestas, os desafios e as consequências, assim como as possíveis soluções. Como resultado, reconhecemos questões urgentes e defendemos o conhecimento das florestas fornecido pela rede global da IUFRO para mobilizar a ciência florestal para um futuro sustentável.

Comprometemo-nos a acelerar nossos próprios esforços para fornecer conhecimento e soluções práticas para

- *Promover uma boa gestão da terra para a água e a vida selvagem;*
- *Prevenir o desmatamento e reparar paisagens danificadas;*
- *Fornecer produtos de madeira com menor pegada de carbono que as alternativas; e*
- *Permitir que as florestas atendam às necessidades físicas e espirituais da sociedade.*

Reiteramos os apelos da juventude global para “ouvir os cientistas” e reconhecemos a necessidade de a comunidade científica se manifestar de novas maneiras para destacar o papel fundamental que a ciência e a tecnologia devem desempenhar na busca de soluções eficazes e economicamente viáveis.”

16.1.3 Spanish version

“Ciencia Forestal para el Futuro

XXV Congreso Mundial de IUFRO, Curitiba, Brasil, octubre de 2019.

Más de 2.500 científicos de 92 países se reunieron en el Congreso para discutir la difícil situación de los bosques del mundo. Este primer congreso en Sudamérica permitió un enfoque específico en esta región del mundo rica en recursos forestales. La deforestación y el cambio climático fueron identificados como dos de los problemas más apremiantes a nivel mundial.

El Congreso Mundial de IUFRO ofreció una oportunidad única para compartir conocimientos basados en la evidencia a través de disciplinas y continentes, para discutir el estado de los bosques, los desafíos y consecuencias, y las posibles soluciones. Como resultado, reconocemos los temas urgentes y abogamos por el conocimiento de los bosques proporcionado por la red global de IUFRO para movilizar la ciencia forestal en aras de un futuro sostenible.

Nos comprometemos a acelerar nuestros propios esfuerzos para proporcionar conocimientos y soluciones prácticas

- fomentar una buena gestión de la tierra para el agua y la vida silvestre;*
- para prevenir la deforestación y reparar los paisajes dañados;*
- suministrar productos de madera que tengan una huella de carbono más baja que las alternativas; y*
- hacer posible que los bosques satisfagan las necesidades físicas y espirituales de la sociedad.*

Reiteramos los llamamientos de la juventud mundial a "escuchar a los científicos" y reconocemos la necesidad de que la comunidad científica se pronuncie de nuevas maneras para poner de relieve el papel fundamental que deben desempeñar la ciencia y la tecnología en la búsqueda de soluciones eficaces y económicamente viable."

16.2 Annex 2: Mini-talks and Book Launches

MINI-TALKS			
Topic	Title	Speaker	Number
Forests for People	A brief presentation of the national program that addresses policies and actions to include and increase the participation of family farmers and traditional communities on bioeconomy arrangements, especially those involving economic use of biodiversity and traditional knowledge in Brazil	MARCO AURÉLIO PAVARINO (Coordinator-General for Extractivism, DEP/SAF/MAPA)	8
	Coalition Brazil Climate, Forests, and Agriculture: proposals for production and preservation	LAURA LAMONICA (Coalition Brazil)	
	Brazilian National Forest Inventory Socio-Environmental Survey	RAQUEL ÁLVARES LEÃO (Environmental Analyst/Board of Forest Research and Information, DPI/SFB/MAPA)	
	Agroforestry Systems: Brazilian Experiences	MARCELO ARCO-VERDE (Embrapa Florestas)	
	Embrapa's Model Forest and Research Station at Caçador: Experiences with Small-Scale Producers	ANDRÉ BISCAIA (Embrapa Florestas)	
	Brazil Nut Production in the Amazon Region	FERNANDA/LUCIA (Embrapa Acre)	
	Rural Environmental Registration in Land Pertaining to Traditional Peoples and Communities	GABRIELA BERBIGIER GONÇALVES (Environmental Analyst/Board of Forest Registration and Promotion, DCF/SFB/MAPA)	
	New Guidelines from the Brazilian Forest Service for Implementing the Forest Code	JAINÉ CUBAS (Director of Forest Register and Incentives, DCF/SFB/MAPA)	
Forests and Climate Change	The Conexão Mata Atlântica Ecosystem Service Monitoring System	SUIÁ KAFURE ROCHA (MCTIC)	9
	Conexão Mata Atlântica: A Catalog of Data and Metadata	MARIA LUIZA CORREA BROCHADO (MCTIC)	
	Brazilian National Forest Information System	HUMBERTO NAVARRO MESQUITA JUNIOR (Executive Manager of Forest Information/Board of Forest Research and Information, DPI/SFB/MAPA)	
	Brazilian National Forest Inventory up-to-date	RAQUEL ÁLVARES LEÃO (Environmental Analyst/Board of Forest Research and Information, DPI/SFB/MAPA)	
	Nanotechnology: Innovation Frontiers in the Forest Sector	WASHINGTON LUIZ ESTEVES MAGALHÃES (Embrapa Florestas)	
	Erva Mate: The International Market Is Watching Its Potential: What Research Has Worked?	IVAR WENDLING (Embrapa Florestas)	
	The Forest+ Program	MONIQUE SACARDO FERREIRA (Coordinator-general for Forest Management, Department of Forests, CGMF/DFLO/MMA)	
	Forest Concessions	CRISTINA GALVÃO ALVES (Executive Manager of Forest Concessions, Board of Forest Concessions and Monitoring, DCM/SFB/MAPA)	
	Monitoring Concessions	JOSÉ HUMBERTO CHAVES (Executive Manager of Forest Monitoring, Board of Forest Concessions and Monitoring, DCM/SFB/MAPA)	
Forests and Forest Products for a Greener Future	Atlas SiBBr	KEILA ELISABETH JUAREZ (MCTIC)	9
	Integrating Data into SiBBr	MARIA LUIZA CORREA BROCHADO (MCTIC)	
	Forest Concessions	CRISTINA GALVÃO ALVES (Executive Manager of Forest Concessions, Board	

		of Forest Concessions and Monitoring, DCM/SFB/MAPA)	
	Monitoring Concessions	JOSÉ HUMBERTO CHAVES (Executive Manager of Forest Monitoring, Board of Forest Concessions and Monitoring, DCM/SFB/MAPA)	
	Future Prospects for Forest Concessions and the National Planted Forest Development Plan	CRISTINA GALVÃO ALVES (Executive Manager of Forest Concessions, Board of Forest Concessions and Monitoring, DCM/SFB/MAPA)	
	Forest Management in the Amazon Region	MILTON KANASHIRO (Embrapa Amazônia Oriental)	
	Forests in the Digital Era: Apps and Software to Support Forest Production	EDILSON BATISTA DE OLIVEIRA (Embrapa Florestas)	
	Forestry Development Combined with Conservation and Rural Development: the Arboretum CDFS Program and Forest Economic Systems	NATALIA COELHO DE ALBUQUERQUE (Arboretum Program, SFB/MAPA)	
	SEG: The Flow of Research at EMBRAPA	SERGIO GAIAD (Embrapa Florestas)	
Biodiversity, Ecosystem Services, and Biological Invasions	A brief presentation of the public policy to encourage the use of the biodiversity through price guarantee and the purchase of biodiversity products in Brazil	ÊNIO CARLOS MOURA DE SOUZA (Market Analyst, CONAB/MAPA)	9
	Brazilian Rubber Production: A Sustainable Opportunity for the World	FERNANDO DO VAL GUERRA (President, Sectoral Chamber for Rubber, SPA/MAPA)	
	Oil Palm: A Sustainable Alternative for Degraded Areas in Amazonia	ROBERTO YOSHITAMI YOKOYAMA (President, Sectoral Chamber for Oil Palm, SPA/MAPA)	
	Producing Cacau in a Sustainable Agroforestry System in Brazil	GUILHERME DE CASTRO MOURA (President, Sectoral Chamber for the Cocoa Chain, SPA/MAPA)	
	An Alternative from Diversification in Forest Production in Brazil	LEANDRO BENINHO GHENO (President, Sectoral Chamber for Erva Mate, SPA/MAPA)	
	Sustainable Production of Forest Goods in Brazil	WALTER VIEIRA REZENDE (President, Sectoral Chamber for Planted Forests, SPA/MAPA)	
	5 Years of the Rural Environmental Register: Challenges and Lessons Learned	REJANE MARQUES MENDES (Executive Manager of Forest Register, Board of Forest Register and Incentives, DCF/SFB/MAPA)	
	Rural Environmental Registration, the Environmental Reserve Quota, and the Environmental Regularization Program as Tools for Forest Development	FERNANDO CASTANHEIRA NETO (Executive Manager of Forestry Promotion and Inclusion, Board of Forest Register and Incentives, DCF/SFB/MAPA)	
	Payment for environmental services: success stories	EDILSON BATISTA DE OLIVEIRA (Embrapa Florestas)	
	Biological Control of Forest Pests: Success Stories from Brazil	SUSETE CHIARELLO (Embrapa Florestas)	
Forest, Soil, and Water Interactions	Brazilian National Forest Information System	HUMBERTO NAVARRO MESQUITA JUNIOR (Executive Manager of Forest Information/Board of Forest Research and Information, DPI/SFB/MAPA)	7
	CNFP AND CAR: Evolution in data on public areas and approaches to private rural properties	BERNARDO DE ARAUJO MORAES TROVÃO (Environmental Analyst, Board of Forest Registration and Promotion, DCF/SFB/MAPA)	
	Eucalyptus genomics	DÁRIO GATAPAGLIA (Embrapa Recursos Genéticos)	
	Project Bem Diverso	LUCIA WADT (Embrapa Acre)	
	Challenges and opportunities in forest production of native acai	ANDREA ALECHANDRE (Embrapa Acre)	
	Research on pine in Brazil	ANANDA AGUIAR (Embrapa Florestas)	

	Forest Product Laboratory: Research Supporting Brazilian Forest Development	FERNANDO GUEIVA (SFB/MAPA)	
			TOTAL 42

BOOK LAUNCHES	
Title	Speaker
Araucária: Pesquisa e desenvolvimento no Sistema cooperativo e integrado da Embrapa	Valderes Aparecida de Sousa - Embrapa Florestas
O eucalipto e a Embrapa: 40 anos de pesquisa e desenvolvimento	Edilson Batista de Oliveira – Embrapa Florestas
Mogno-africano: Atualidades e Perspectivas do Cultivo no Brasil	Edilson Batista de Oliveira – Embrapa Florestas
SDG15 – Life on Land – Contributions of Embrapa	Gisele Freitas Vilela – Embrapa Territorial
New Book: Forest at a Glance 2019	Humberto Navarro Mesquita Junior (SFB/MAPA)

16.3 Annex 3: Technical Visits During the IUFRO Congress

	CATEGORY	DESCRIPTION
1	Planted Forests	Forestry operations in nurseries and pine and eucalyptus at Klabin, Brazil's largest producer and exporter of paper.
10	Forests/Native Vegetation	Payment for environmental services: a success story.
11		Curitiba's historic water reservoirs and trails in native forests.
12		Sandstone formations, craters with native vegetation, and water reservoirs, with a focus on endangered species.
13		Integration of productive areas and environmental protection area in rural properties.
14	Parks And Urban Areas	Curitiba's Botanical Garden and urban forests in Capão do Tigre and Airumã Parks.
15		Parks in Curitiba: the Botanical Garden, Passeio Público, the Pope's Woods, the German Woods, São Lourenço, Tanguá, Tingui, and Barigui Parks.
16	Forest Research	Control of forest pests and the introduction and improvement of Eucalyptus in Brazil.
17		Dendrochronology applied to forest management and the conservation and genetic improvement of conifer species.
18		Integrated silvopastoral systems and ecological agroforestry systems.
19	Education	An overview of forest measurements, forest inventory, and forest management in Brazil. Presentation of SIS software for forest management.
20		The forest-based sector, government planning, and business representations of the productive chain of timber, as well as consulting companies and forest management.
21	Production Systems	Agroforestry systems in different organizational structures, reforestation with rapid-growing species and environmental protection areas.
22		Palm heart plantations and the Graciosa Highway to observe the natural forest.

16.4 Annex 4: Documents and Other Congress-related Information

16.4.1 Congress website

In addition to www.iufro2019.com, the COC also acquired iufro2019.org, iufro2019.org.br and iufro2019.net. All these domains will be maintained at least until 2025.

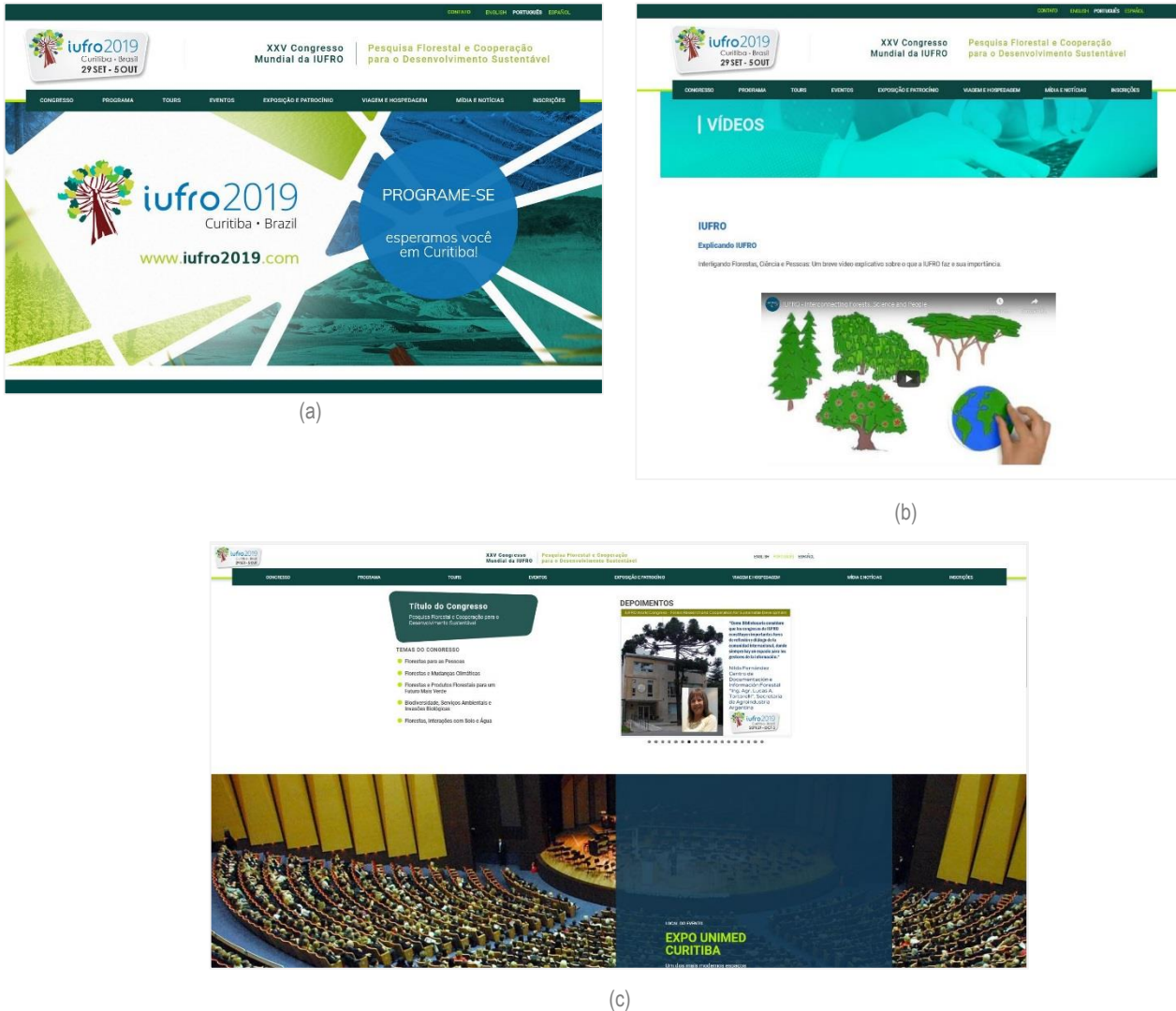


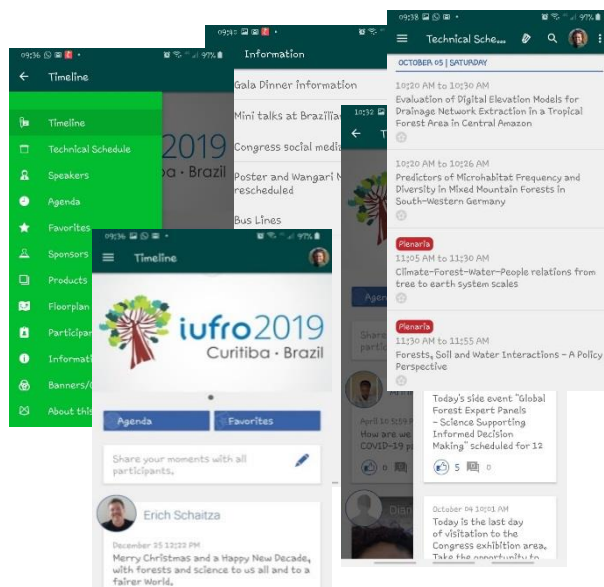
Figure 55: Some pages of the IUFRO2019 website.

16.4.2 Congress program schedule



The complete Congress program is available in PDF format on the Congress website, www.iufro2019.com

16.4.3 IUFRO2019 App



An app compatible with Android and IOS devices was created for the IUFRO2019 Congress.

In addition to the basic functionality (to access the entire program of events), the app successfully facilitated communication between participants and also functioned as a social network, which is still active with Congress participants who are using it to exchange messages and information.

16.4.4 Annals of the Congress



The proceedings of the Congress (*Forest Research and Cooperation for Sustainable Development: XXV IUFRO World Congress, Sept 29-October 5, 2019, Curitiba, PR, Brazil, Abstracts, 768 p.*) contain the abstracts of the 1,648 oral presentations and 964 poster sessions, and were published and printed a month after the Congress as a special edition of the journal *Pesquisa Florestal Brasileira* by the Brazilian Agricultural Research Corporation/Embrapa Florestas. The digital version in pdf format can be found at the Congress website and/or accessed at:

http://iufro2019.com/wp-content/uploads/2019/10/Anais_iufro_Final_reduzido-1.pdf

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