

OUR PORTFOLIO

the history behind the tour



since 2018 thinking about the best solutions for the planet

OUR PORTFOLIO

the history behind the tour

Wind Energy and Biodiversity Summit (WIBIS) is a series of conferences across the globe in designated regions with great potential for renewable energy development. WIBIS brings together the knowledge and experience of local and international specialists in Wind Energy, Biodiversity and Social Impacts, whose main objective is the balanced and sustainable growth of renewable energy activities. The dialogue of the different actors and the sharing of their experiences and knowledge, accelerates the application of best practices for environmental and socioeconomic sustainability in the wind sector.

In addition, WIBIS promotes research projects and scientific development, between local and international partners for the progress of these ideas.

Objectives

Connect people

Promote international best practises

Exchange knowledge

Promote global R&D projects

Vision

to take a sustainable approach to wind and biodiversity around the world.

Mission

engage local players with clear global criteria and best practices to evaluate and mitigate impacts of wind energy on biodiversity.

Values

#local action
#global knowledge
#creative and adaptable solutions
#committed community
#sustainable planet

WIBIS is designed for Wind Energy stakeholders, such as Consultants, Financial Entities Academia, Developers and Governmental Institutions.

OUR PORTFOLIO

the international promoters



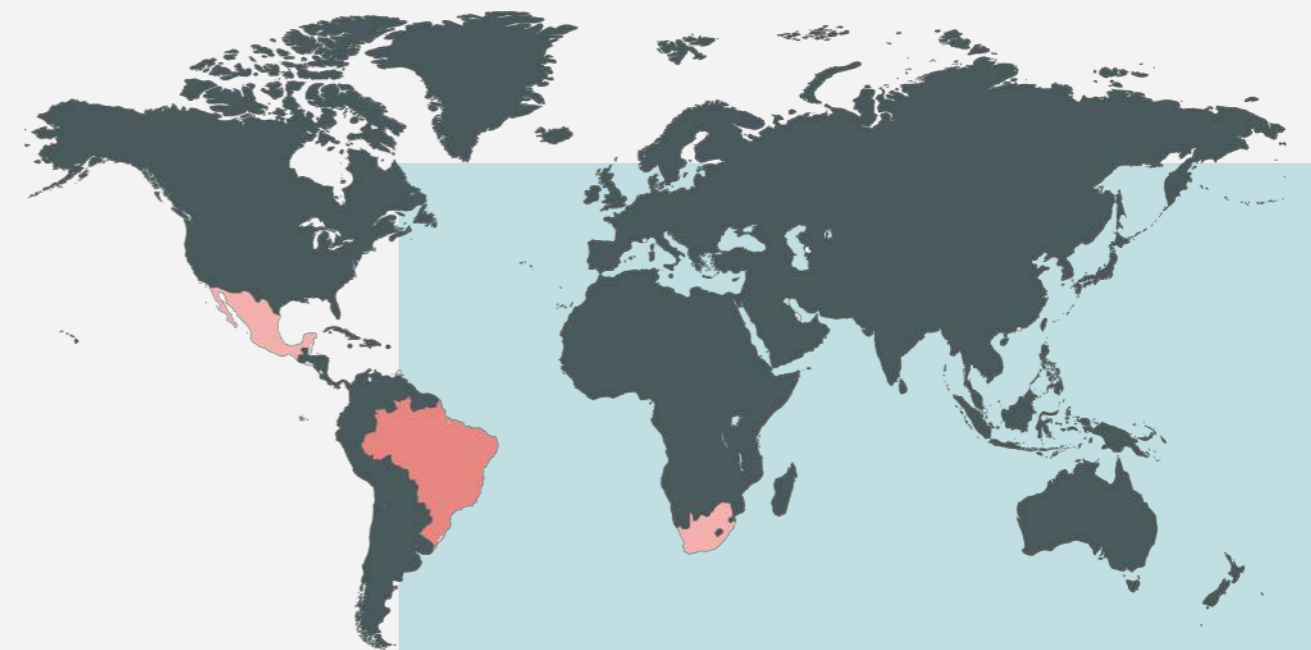
International specialists in biodiversity consultancy with more than 14 years of experience in environmental studies and monitoring.



International specialists focused on providing environmental advice necessary for the development and implementation of projects in marine environment with the best available solutions.



Renowned university with important contributions in the area of environmental consulting.



four events

213 participants from 12 nationalities

WIBIS BRASIL

19th and 20th June, 2018
Consulate General of Portugal, São Paulo

Local Promotors



Sponsors



Supporters



61
participants



5 Financial Entities
IFC



5 Governmental Institutions
IBAMA, FEPAM, Latec, Empresa de Pesquisa Energética and SIS



13 Academia
T.U. Berlin, Universidade de São Paulo and Universidade Federal do Rio Grande do Sul



23 Consultants
Bioinsight, Biolaw, Biometria, Shift, Pangalia Environmental, TETRA Consultores, Gestão de Serviços, ViaFAUNA, Ardea Consultoria, Geotropico, Watermeyer and Aiuka



12 Developers
CPFL, Cemig Geração e Transmissão, Atlantic, NeoEnergia, Engie, RioEnergy and COPEL

WIBIS BRASIL

19th June, 2018

13

talks

120

minutes of
debate

Session I Legal context, international standards and processes

Amado Netto, IBAMA
Federal Environmental Licensing and Energy Wind

Johann Köppel, T.U. Berlin
A pioneer in transition: a mapping of emerging issues in the sustainable development of wind energy in Germany

Cristina Catunda, IFC
IFC's Socio-environmental Performance Standards Applied to Wind Energy Projects

Taarik Castilho, Franco Advogados
Performance Standards - The Society of Risk and Transformation of Liability

Miguel Mascarenhas, Bioinsight
Environmental Impact Assessment Methods: An Overview of the Process for Different Phases of Wind Power Plants - From Pre-Construction to Operation

Gabriel Ritter, FEPAM
Technical guidelines for the licensing of wind farms in Rio Grande do Sul

Emilio Roos, ECOA Ambiental
Adaptation of the methodology of the biological dog to the reality of environmental licensing in Brazil

Session II Case Studies, Mitigation, Compensation and Adaptive Management

Andrew Gill, Pangalia Environmental
Translating the experience of interactions between marine wind farms and the marine environment

Marcelo Montaña, USP
Effectiveness of the Environmental Impact Assessment applied to wind farms in Brazil

Juliana Almeida, Save Brasil
Migratory birds and wind energy

Tatiana Marques, CPFL
Viability of Socioenvironmental ventures - Case: Pedra Cheirosa

Marília Barros, UFP
Guidelines of the Brazilian Society for the Study of Chiroptera in impact assessments of wind parks on bats in Brazil

Lygia Plastino, NeoEnergia
Environmental Licensing as a Tool to Mitigate Environmental Impacts and Biodiversity Conservation



WIBIS BRASIL

20th June, 2018

Experimental Design for the Evaluation of the Impact on Biodiversity in Wind Farms.

Workshop I

Paulo Cardoso and Miguel Mascarenhas, Bioinsight

Case Study: Implementation of the Wind Farm of Serra dos Candeeiros, Portugal.
Experimental Design for the Evaluation of the Impact on Biodiversity in Wind Farms.

240
minutes



WIBIS BRASIL

main conclusions

1. Strategic Planning is a way of guaranteeing collaborative, informed processes that, from the beginning, contemplate the mitigation hierarchy.
2. Sharing information speeds up the learning process. Collaboration in the decision-making process finds solutions and avoids litigation.
3. Everyone needs to be aware of the risk and uncertainty of all human activity and that by making mistakes we can incorporate learning and improve.
4. To go beyond Command-Control it is necessary flexibility and time to build strategies and adaptive management.
5. International experience can and should fuel continuous improvement and incorporate adjustments to the local reality that allow an adequate response to impact assessment.

Workshop II

How to adjust the mortality of birds and bats in a wind farm?

Paulo Cardoso and Miguel Mascarenhas, Bioinsight

120
minutes



the next stop could be near to you

WIBIS MÉXICO

20th and 21st November 2018
Bankers Club of Mexico, Mexico City

Local Promotors



Sponsors



Supporters



71
participants



5 Financial Entities
IFC, Asociación de Banqueros de México, GIZ, Grupo Financiero Banorte and HSBC



5 Governmental Institutions
SENER, AMDEE, IAIA, SEMARNAT and Embaixada de Portugal



4 Academia
T.U. Berlin, INECOL, AMMAC and UNAM



17 Developers
EDF-RE, Siemens Gamesa, Naturgy, RioEnergia, GEMEX and ENEL



40 Consultants
Bioinsight, CIS, Rea, AECOM, ERM, CEIA Bioambiental, Teo Consultoria, Climatik, TÜV Rheinland, AMIA, DNS, Oak Creek, Ecology Brasil, CSSYMA, Ramboll, CMDA, Ricardo Carneiro, Solcargó, Western ET, Pangalia Environmental and Víctor Martínez

WIBIS MÉXICO

20th November, 2018

15

talks

Session I Legal context, international standards and processes

Luís Alfonso Munozcaño, SENER
Wind Energy in Mexico: Evolution, socioeconomic aspects and challenges for the future

Alfonso Flores, SEMARNAT
Current Legal Context for the implementation of wind farms in Mexico

Álvaro Camiña, IFC
IFC's Socio-environmental Performance Standards Applied to Wind Energy Projects

Grace Garbaccio, Ricardo Carneiro Advogados
General international compliance – general vision for the promotion of wind production

Juliane Biehl, T.U. Berlin
The strategic planning system for wind energy in Germany

Sílvia Mesquita, Bioinsight
Environmental Impact Assessment Methods: An Overview of the Process for Different Phases of Wind Power Plants - From Pre-Construction to Operation

120

minutes of debate

Session II Case Studies, Mitigation, Compensation and Adaptive Management

Miguel Briones-Salas, AMMAC
Bat communities and their conservation risks in Wind Farms of Mexico: the case of Oaxaca

Rafael Villegas-Patraca, INECOL
Biological monitoring in wind farms in Mexico: measuring the environmental impact of renewable energy sources

Andrew Gill, Pangalia Environmental
Translating the experience of interactions between marine wind farms and the marine environment

Marcos Monroy, CESCA
Technical Specifications for the Protection of Biodiversity in the Sustainable Use of Wind Energy

Rodolfo Rueda, Fomento Mexicano para el desarrollo sustentable
Rural communities and indigenous peoples as stakeholders of Wind Projects

Jorge Melero, NaturaEst
Wind Farms: Environmental and Social Due Diligence

Nidia Vivar, ENEL
Dominica Wind Farm: Initiatives for the management of socio-environmental impacts

Rachel Starling, RioEnergy
Rio Energy and International Standards applied to projects in Brazil



WIBIS MÉXICO

21st November 2018

Workshop I
Experimental Design for the Evaluation of the Impact on Biodiversity in Wind Farms.
Sílvia Mesquita and Filipa Domingues, Bioinsight

240
minutes



Workshop II Social Impacts of Wind Farms
Suhayla Bazbaz, CCIS



120
minutes

Panel
The role of the financial institutions in sustainable development
Moderated by Luís Montañez, IAIA



240
minutes

WIBIS MÉXICO

main conclusions

1. Creation of synergies and participatory dynamics for the construction of orientations and solutions
2. Sharing information and experiences fosters positive discussion and evaluation of how to improve
3. Cumulative impacts can only be truly evaluated in a scenario of information exchange and decision making that collectively contemplates projects in a specific region
4. Measures to reduce social impact, including the reduction of energy poverty, active participation of different groups for the energy transition, promotion of energy projects in conjunction with the local social sector
5. Monitoring focused and adjusted to the evaluation of the real impact of projects leads the adaptative approach and brings fundamental contributions for future processes of environmental assessment



the next stop could be near to you

WIBIS SOUTH AFRICA

28th May, 2019
Wanderers Club, Johannesburg

36
participants

Local Promotors



Sponsors



Supporters



12 **Governmental Institutions**
Embaixada Portugal, AICEP, NSBA, SA Department of Trade and Industry, IPP Office, TIKZN, Gauteng Growth and Development Agency, Corporate Traveller, Danalico, UNIDO and NBI



3 **Academia**
TU Berlin and National University of Lesotho



6 **Developers**
ENEL, ABO Wind, Kipeto Wind Farm, BioTherm Energy and ENERTRAG South Africa



15 **Consultants**
Bioinsight, Pangalia Environmental, Arcus Consultancy, InPlace, Inspired Evolution Investment Management, Robin Radars, SAPCC, Building Energy, ARIOBEX PTY and Bio-Lumen

WIBIS SOUTH AFRICA

28h May, 2019

13
talks

Session I Legal context, international standards and processes

Annalize van der Merwe, Trade and Investment

The case for investing in South Africa: Renewable energy investment opportunities

Donné Kruger, Trade and Investment of KwaZulu-Natal
Opportunities in renewable energy in KwaZulu-Natal

Andrew Gill, Pangalia Environmental

Translating the experience of interactions between marine wind farms and the marine environment

Juliane Biehl, T.U. Berlin

The strategic planning system for Wind Energy in Germany

120

minutes of
debate

Session II

Case Studies, Mitigation, Compensation and Adaptive Management

Craig Campbell, Bioinsiight

A short story of Bird and Bat Monitoring on Wind Farms in South Africa

Andrew Pearson, Arcus Consultancy

Long-term Bird and Bat Operational Monitoring and Carcass Searching at Two Wind Farms in the Western Cape Province, South Africa. A practical cases study of results and lessons learned to date

Libby Hirshon, Actis Energy's Fund

Kipeto's Vultures – A Case Study of Mitigation in Southern Kenya

Sibylle Giraud, Robin Radars

How Robin radars reduce the environmental impact on wind farms

WIBIS SOUTH AFRICA

main conclusions

1. Strategic national energy planning becomes essential, providing possibilities for wind development in South Africa.
2. Sharing information speeds up the learning process. Collaboration in decision making finds regional solutions by fostering mitigation and species compensation measures.
3. Understand that wind entrepreneurship provides income to local populations, as well as social investments. They are responsible for many specialized and environmentally jobs, fulcral to species' conservation.
4. International experience can foster the continuous improvement of current policies. However, is necessary by the local authorities prove of willingness and responsiveness to adapt international practices to local reality.



the next stop could be near to you

WIBIS BRASIL

16th and 17th July, 2019
Consulate General of Portugal, São Paulo

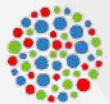
Local Promotors



Sponsors



Supporters



aicep Portugal Global



45
participants



2 Financial Entities
IFC



8 Governmental Institutions
INEMA, IBAMA, FEPAM, CEPEL,
Embaixada de Portugal and IDEMA



7 Academia
T.U. Berlin, Universidade Federal do
Rio Grande do Norte, Universidade
Federal de Pernambuco and
Universidade de São Paulo



15 Consultants
Bioinsight, Biolaw, Projeto Jardins da
Arara de Lear, ECOA Ambiental,
Ardea Consultoria, Napeia
Consultoria e Projetos and LATEC



13 Developers
CPFL, Voltalia, DGE Energias
Renováveis, Omega Energia, Casa
dos Ventos, ENEL, NeoEnergia and
Ventos do Atlântico

WIBIS BRASIL

16th July, 2019

12

talks

120

minutes of
debate

Session I Legal context, international standards and processes

Eduardo Wagner da Silva, IBAMA
Agenda for the Development of the Federal Environmental Licensing of Offshore Wind Complexes

Leon Aguiar, IDEMA
Licensing Procedural Issues in Rio Grande do Norte

Ana Paula Almeida, INEMA
Licensing Procedural Issues in Bahia

Cristina Catunda, IFC
Wind Energy and Biodiversity from the International Finance Corporation - IFC

Miguel Mascarenhas, Bioinsight
Wind sector and biodiversity: distinction between effects and impacts on populations

Juliane Biehl, T.U. Berlin
Governing the Wind - Strategic Planning Approaches and Impact Assessments on Wind Energy Development in Germany

Session II Case Studies, Mitigation, Compensation and Adaptive Management

Paulo Cardoso, Bioinsight
Wind expansion and climate change scenarios: identification of conflicts with biodiversity - present and future

João Damasceno, PPGECO/UFRN
Technical-methodological issues for impact assessment of bird in wind farms

Carina Silva, UFP
Evaluating and analyzing acoustic bat data: What can acoustic bat data analysis tell us?

Thiago Culhari and Felipe Serejo, Voltalia
Social Issues: Impacts and Benefit Sharing

Leonora Cardin, ENEL
Hope is blue in Delfina: Monitored Experimental Release of the Lear's Macaw (*Anodorhynchus leari*) at Delfina Wind Farm, BA

Leonora Cardin, ENEL
Following the King's Footprints: Telemetry monitoring of puma (*Puma concolor*) and jaguars (*Panthera onca*) at Delfina Wind Farm, BA



WIBIS BRASIL

17th July, 2019

Stakeholder Management:
An Approach to IFC
Standards

Workshop I

Thiago Culhari and Felipe Serejo, Voltalia

270
minutes

This workshop theme was based on IFC's Stakeholder Engagement criteria and meets the UN Sustainable Development Goals (SDG) items.



Workshop II

Monitoring a wind farm in operation -
a tool for adaptive management

Paulo Cardoso, João Paula and Miguel Mascarenhas, Bioinsight

The adaptive management process, an approach that ensures understanding and direction of sustainable management of natural resources and which plays a key role in the environmental licensing of a wind farm.

270
minutes



WIBIS BRASIL

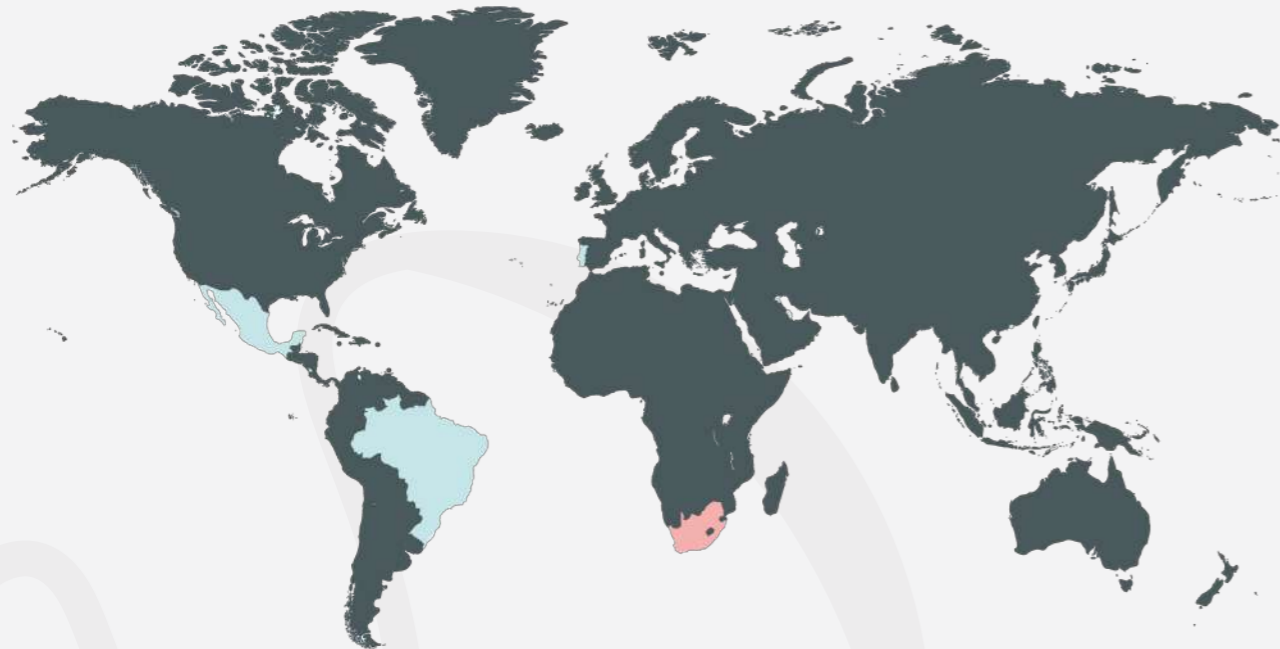
main conclusions

1. Be careful not to “invent the wheel”, seeking the best international practices and adapting them to the reality of Brazil in order to have a clearer and faster environmental process, adjusted to the requirements of the projects.
2. The licensing process needs to be improved to bring innovation and improvement into institutions by incorporating best practice requirements from financial institutions. It is important to use appropriate methodologies for environmental impact assessment - EIA and those that do not meet EIA objectives should be abolished.
3. Creating databases is very important in the process and should be available to everyone for general use. Information from academia, consultancy, entrepreneurs and environmental agencies should be fed to increase knowledge sharing and exchange and to continuously update data on species ecology, biology and management.
4. Population models should be used to assess potential quantitative impacts and are not afraid to accept uncertainty as soon as the environmental impact study is undertaken. Monitoring programs during the operational phase should allow the assessment of model predictions and, where possible, update these models with new data to renew scenarios and apply the adaptive management process.
5. For the process to be successful, a relationship of trust between all parties involved, good communication and transparency of information is essential. Identification of all stakeholders, knowledge of implementation sites and methodologies to be used, as well as the needs of local communities, is essential in order to create opportunities that generate self-sustainable economies and promote the conservation of fauna and flora species, and local culture.

the next stop could be near to you

OUR NEXT EVENTS

where is the tour going?



Portugal

Brazil

Mexico

April
2020

May
2020

October
2020

E-mail
wibis@bioinsight.pt

Website
www.wibisummit.org

Social media

