

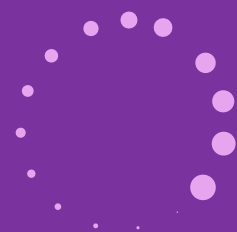


PHENO

2025

July 28th to August 1st

Towards a global
phenology science



Join us!

BRAZIL

SÃO PEDRO - SP



PHENO

Towards a global
phenology science

2025
July 28th to August 1st

BRAZIL

SÃO PEDRO - SP

- ✓ LECTURES
- ✓ POSTER AND ORAL PRESENTATIONS
- ✓ FIELD TRIPS
- ✓ SOCIAL EVENTS



pheno2025.com



@pheno2025



@pheno2025



JOIN
US!

Endorsed by



Hosted by



Financial support



Supported by



INTERACTIVE SUMMARY

04

PRESENTATION

14

THEMATIC
AXES

06

HISTORY

15

OVERVIEW
PROGRAMME

07

LOCAL
COMMITTEES

19

IMPORTANT
DATES

10

SCIENTIFIC
COMMITTEES

20

CONFERENCE
VENUE

13

KEYNOTE
SPEAKERS

21

IMPORTANT
INFORMATION



PRESENTATION

Welcome to Phenology 2025

The Phenology 2025 Conference “PHENO2025 - Towards a Global Phenology Science” is the first Phenology Conference in the Global South and in a tropical country, Brazil. The PHENO2025 represents a crucial gathering for scientists, researchers, students, technicians and policymakers from all around the world dedicated to understanding the impacts of climate change on ecosystems through the lens of phenology.

Phenology – the study of recurrent events in the life cycles of plants and animals (e.g. flowering, leaf fall and unfolding, animal migration) is an integrative science, combining disciplines of ecology, evolutionary biology, climatology, and environmental sciences.

Phenology is a key indicator of environmental changes, bringing together experts from various disciplines, stakeholders and society.

PHENO2025 conference aims to foster global collaboration and innovation in monitoring, modeling, and predicting phenological shifts. Specific areas of interest include phenology communities and networks, standards and protocols for data collection, phenology as a bio-indicator of climate change, impacts of phenology on organism performance and ecosystem function, physiological and genetic determinism, remote sensing phenology, biodiversity conservation and ecological restoration, bringing to scene highly diverse ecosystems. Other relevant topics addressed are phenological decoupling and the temporality of ecological networks and interactions, climate change and urban phenology, citizen science, networks and



JACARANDA CUSPIDIFOLIA

botanical gardens, and the use of historical data and herbarium and museum collections to understand temporal responses to climate change. This comprehensive approach is vital for developing adaptive strategies to mitigate the adverse effects of climate change on biodiversity, food production, planetary health and human wellbeing.

PHENO2025 will serve as a platform to highlight the importance of standardized global phenological data collection and sharing. Enhanced international cooperation can lead to more comprehensive datasets, enabling better-

informed decisions at local, regional and global levels. The conference will also address the integration of traditional ecological knowledge with modern scientific approaches, emphasizing the role of indigenous and local communities in phenological research. Ultimately, PHENO 2025 will be a venue bridging Global North and South, positioned to advance the field of phenology, contributing to more resilient ecosystems and societies in the face of a rapidly changing climate.

OBJECTIVES

The Conference PHENO2025 - Towards a Global Phenology Science aims to promote a meeting of experts from around the world and across various disciplines to collaborate towards the advance in the field of phenology, contributing to more resilient ecosystems and societies in the face of a rapidly changing climate.



[Back to summary](#)

Join us to 7th Phenology Conference

Phenology 2025 will be the 7th Conference in the series under the auspices of the Phenology Commission of the International Society of Biometeorology and the second time in the Southern Hemisphere. These friendly and energetic conferences bring together phenological researchers from across the world – both established and early career. As well as presenting the latest research the Conferences offer strong networking opportunities and interesting and relevant field trips and social events.

WHY ATTEND PHENO2025?

The conference “PHENO2025 - Towards a Global Phenology Science” offers a unique opportunity to network with leading scientists and professionals from around the world in phenology, temporal ecology and related fields, gain insights into cutting-edge research, and engage in a multidisciplinary approach to understanding and mitigating the impacts of climate change on ecosystems.

The past time and location of the Phenology Conferences:

Phenology 2022: Phenology at the crossroads - Avignon, France.

Phenology 2018: One Planet, Two Hemispheres, Many Regions. Melbourne, Australia.

Phenology 2015: Challenges in Phenology - Kusadasi, Turkey.

Phenology 2012: Future climate & the living earth – Milwaukee, USA.

Phenology 2010: Climate change impacts and adaptation Dublin, Ireland.



ORGANIZING COMMITTEES

LOCAL COMMITTEE

Dr. Patricia Morellato is a plant ecologist working mainly on phenology and temporal ecology of tropical vegetation. She investigates the effects of global climate change on the growth and reproduction cycle of mainly native plants. Morellato is the head of the Center for Research on Biodiversity Dynamics and Climate Change (CBioClima). She is also the coordinator first the first tropical phenology network in Brazil using digital cameras (e-phenology network).



Conference Chair
Patricia Morellato
Unesp



Bachelor in Biology (UNESC, SC), Master in Plant Biology (UNESP, SP), PhD in Ecology and Biodiversity (UNESP, SP - Harvard, US). Bruna investigates leaf phenological patterns, through phenocameras, their main drivers and their relationship with ecosystem processes.

Conference Co-Chair
Bruna Alberton
Unesp

LOCAL COMMITTEE



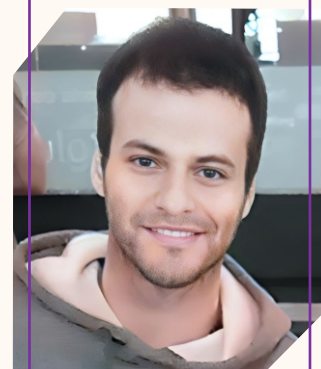
Magna Moura
EMBRAPA

Maria Tereza
Grambone Guaratini
Environmental
Research
Institute



Pedro Bergamo
Unesp

Thales Henrique
Dias Leadno
Unesp



Barbara Franca
Dantas
EMBRAPA

Maria Maraiza
Pereira dos Santos
Unesp



Monize Altamore
Unesp

Daiane Carreira
Unesp



LOCAL COMMITTEE



Beatriz Lopes
Monteiro
Unesp



Mateus Geovane
Lima da Silva
Unesp



Natália do Prado
Neves
Unesp



Gabriela Andrietta
Unesp



Renan Ramos Chaves
Unesp



Patricia Carolina
Moreno
Unesp



Emerson José
Unesp

SCIENTIFIC COMMITTEE



ALISON DONNELLY
University of
Wisconsin, USA



**ANDEISE CERQUEIRA
DUTRA**
INPE, Brazil



ANETE MENZEL
Technical University
of Munich, German



ARIADNA LOPES
Federal University of
Pernambuco, Brazil



ELLEN DENNY
University of
Arizona, USA



**GERHARD
OVERBECK**



ALFREDO HUETE
University of
Technology, Sydney



**IÑAKI GARCIA DE
CORTAZAR ATAURI**
Agroclim INRAE,
France



**IRENE MENDOZA
SAGRERA**
Estación Biológica de
Doñana, Spain



**IZABELA FONSECA
ALEIXO**
INPE, Brazil



JENNIFER FITCHETT
University of the
Witwatersrand,
South Africa



JIN WU
The University of
Hong Kong, Pokfulam
China

SCIENTIFIC COMMITTEE



JUAN ARROYO
Universidad de
Sevilla, Spain



LAURENCE CULOT
Unesp, Brazil



**MARIA ROSÂNGELA
SIGRIST**
UFMS, Brazil



MANZOOR A SHAH
University of
Kashmir, India



**MARIE
KEATLEY**
RMIT University,
Australia



**MARINA CORREA
CORTES**
Unesp, Brazil



**MARIO MARCOS DO
ESPÍRITO SANTO**
Unimontes, Brazil



MARK SHWARTZ
University of
Wisconsin-Milwaukee
USA



MONTSERRAT ARISTA
Universidad de Sevilla,
Spain



OSMAN EREKUL
Aydin Adnan
Menderes University,
Turkey



**PAULO EUGENIO
A. M. DE OLIVEIRA**
Federal University
of Uberlândia, Brazil



**PIETRO KIYOSHI
MARUYAMA**
UFMG, Brazil

SCIENTIFIC COMMITTEE



TATIANA CORNELLISON
UFMG, Brazil



VANESSA GRAZIELE STAGGMEIER
Rio Grande do Norte Federal University, Brazil



YONGSHUO FU
Beijing Normal University, China



YULE ROBERTA FERREIRA NUNES
Universidade Estadual de Montes Claros, Brazil



AKIKO SATAKE
Kyushu University, Japan



BRUCE WALKER NELSON
INPA, Brazil



DEBORA ROTHER
UFSCAR, Brazil



ELIANA GRESSLER
IF Farroupilha/ UNESP, Brazil



GERALDO WILSON FERNANDES
UFMG, Brazil

MEET OUR KEYNOTE SPEAKERS



Geetha Ramaswami
Nature Conservation
Foundation, India

Tree seasonality and
citizen science - making
phenology mainstream.



Jin Wu
The University of
Hong Kong, Hong
Kong, China

Bridging phenology from
tree individuals to regional
scales.



Jennifer Fitchett
University of the
Witwatersrand,
South Africa

Tracking Phenology in the
Global South: Phenological
networks, creative data sources
and traditional knowledge.



**Jorge Cortes
Flores**
Nacional Autónoma
de Mexico, Mexico

Reproductive phenology in
plant communities of
Neotropical seasonal
forests: implications for
conservation.



Patricia Morellato
Unesp, Brazil

Towards a Global
Phenology Science



**Susanne Jochner-
Oette**
Catholic University of
Eichstatt-Ingolstadt,
Eichstatt, Germany

The international Phenological
Gardens Network - Importance,
Challenges, Recent Findings
and Future Prospects



Eric Fuchs Castillo
Universidade de Costa
Rica, Costa Rica

Decadal Florewing Phenology
and Pollen Metabarcoding Reveal
Climate-Linked Shifts in a
Tropical Montane Forest

THEMATIC AXES



1

**PHENOLOGY NETWORKS
FROM NORTH AND SOUTH:
TOWARDS A GLOBAL PHENO-
LOGY SCIENCE.**

SESSION 1

5

**REMOTE PHENOLOGY:
FROM NEAR-SURFACE TO
ORBITAL SENSORS AND
MODELING INTEGRATION.**

SESSION 5.

2

**PHENOLOGICAL COU-
PLING/ DECOUPLING AND
TEMPORALITY OF MUTUA-
LISTIC NETWORKS.**

SESSION 2.

6

**TROPICAL PHENOLOGY
BIODIVERSITY CONSERVA-
TION AND RESTORATION
UNDER GLOBAL CHANGE.**

SESSION 6.

3

**PHENOLOGY FROM LEGACY
AND HERBARIUM DATA TO
BOTANICAL GARDENS FOR
GLOBAL FORECASTING
CLIMATIC CHANGE.**

SESSION 3.

7

**PHENOLOGY TRADITIONAL
KNOWLEDGE AND CITIZEN
SCIENCE.**

SESSION 7.

8

**URBAN PHENOLOGY AND
GLOBAL CHANGE.**

SESSION 8.

9

**FREE TOPICS
SESSION 9.**



PROGRAMME OVERVIEW

DAY 1 – MONDAY (28/07/2025)

8h – 18h

Registration and secretary services

9h – 9h30

Opening Session

Location: "Blue Jacaranda" Auditorium

9h30 – 10h30

OPEN KEYNOTE SPEAKER: DRA PATRÍCIA MORELLATO, UNESP, BRAZIL

"Towards a Global Phenology Science"

Location: "Blue Jacaranda" Auditorium

10h30 – 12h

Cultural presentation, Exposition fair opening,
Coffee break

Book launch session – Phenology: An Integrative
Environmental Science 2ed.

14h – 14h45

KEYNOTE SPEAKER: DR. JORGE CORTES FLORES, Nacional Autónoma de Mexico, MEXICO

Location: "Blue Jacaranda" Auditorium

14h45 – 15h30

Session 1 – Phenology Networks from North and South: Towards a Global Phenology Science

Location: "Blue Jacaranda" Auditorium

14h45 – 15h30

Session 2 – Phenological Mismatching and Temporality of Mutualistic Interactions

Location: "Jaracatiá" Room

16h – 17h

Session 1 – Phenology Networks from North and South: Towards a Global Phenology Science

Location: "Blue Jacaranda" Auditorium

16h – 17h

Session 2 – Phenological Mismatching and Temporality of Mutualistic Interactions

Location: "Jaracatiá" Room

17h – 18h30

Poster Session 1

Location: "Itaqueri" Space

DAY 2 – TUESDAY (29/07/2025)

8h – 18h

Secretary services

9h – 9h45

KEYNOTE SPEAKER: DRA. SUSANNE JOCHNER-OETE, Catholic University of Eichstätt-Ingolstadt, Germany

PROGRAMME OVERVIEW

"The International Phenological Gardens Network - Importance, Challenges, Recent Findings, and Future Prospects"

Location: "Blue Jacaranda" Auditorium

9h45 - 10h30

Session 3 - Phenology from Legacy and Herbarium Data to Botanical Gardens for Global Forecasting Climatic Change

Location: "Blue Jacaranda" Auditorium

9h45 - 10h30

Session 4 - Phenological methods, standards, protocols, and cutting-edge approaches

Location: "Jaracatiá" Room

10h30 - 11h

Session 3 - Phenology from Legacy and Herbarium Data to Botanical Gardens for Global Forecasting Climatic Change

Location: "Blue Jacaranda" Auditorium

11h - 12h30

Session 4 - Phenological methods, standards, protocols, and cutting-edge approaches

Location: "Jaracatiá" Room

14h - 14h45

KEYNOTE SPEAKER: DR. JIN WU, The

University of Hong Kong, CHINA

Location: "Blue Jacaranda" Auditorium

14h45 - 15h30

Session 5 - Remote Phenology: from near-surface to orbital sensors and modelling integration

Location: "Blue Jacaranda" Auditorium

14h45 - 15h30

Session 6 - Tropical Phenology, Biodiversity Conservation and Restoration under Global Change

Location: "Jaracatiá" Room

16h - 17h

Session 5 - Remote Phenology: from near-surface to orbital sensors and modelling integration

Location: "Blue Jacaranda" Auditorium

16h - 17h

Session 6 - Tropical Phenology, Biodiversity Conservation and Restoration under Global Change

Location: "Jaracatiá" Room

17h - 18h30

Poster Session 2

PROGRAMME OVERVIEW

Location: "Itaqueri" Space

18h30

Cultural Activities

DAY 3 – WEDNESDAY (30/07/2025)

8h – 16h30

Fields trips

17h – 18h30

Meetings parallel to the event

19h

Gala Dinner

DAY 4 – THURSDAY (31/07/2025)

8h – 18h

Secretary services

9h – 9h45

KEYNOTE SPEAKER: DRA. JENNIFER FITCHETT, University of the Witwatersrand , SOUTH AFRICA

"Tracking Phenology in the Global South: Phenological networks, creative data sources, and traditional knowledge"

Location: "Blue Jacaranda" Auditorium

9h45 – 10h30

Session 7 – Phenology, Traditional knowledge, and Citizen science

Location: "Blue Jacaranda" Auditorium

9h45 – 10h30

Session 8 – Urban Phenology and Global Change

Location: "Jaracatiá" Room

11h – 12h30

Session 7 – Phenology, Traditional knowledge, and Citizen science

Location: "Blue Jacaranda" Auditorium

11h – 12h30

Session 8 – Urban Phenology and Global Change

Location: "Jaracatiá" Room

14h – 14h45

KEYNOTE SPEAKER: DRA. GEETHA RAMASWAMI, Nature Conservation Foundation, INDIA

"Tree seasonality and citizen science – making phenology mainstream"

Location: "Blue Jacaranda" Auditorium

14h45 – 15h30

Session 9: Free Topics

PROGRAMME OVERVIEW

Location: "Blue Jacaranda" Auditorium

16h – 17h

Session 9: Free Topics

Location: "Blue Jacaranda" Auditorium

17h – 18h30

Poster Session 3

Location: "Itaqueri" Space

17h – 18h30

**International Society for Biometeorology (ISB) –
Phenology Commission Meeting**

Location: "Blue Jacaranda" Auditorium

DAY 5 – FRIDAY (01/08/2025)

8h – 12h30

Secretary services

9h – 9h45

KEYNOTE SPEAKER: To Be Announced

Location: "Blue Jacaranda" Auditorium

9h45 – 10h30

Session 9: Free Topics

Session Chairs: To Be Announced

Invited Speakers: To Be Announced

Location: "Blue Jacaranda" Auditorium

11h – 12h30

Closing Cerimony



1

MAY 15

Deadline for registration fee payment to have accepted Abstracts include in final program and published

2

MAY 31

Presentation format information

3

JUNE 27

Deadline for early bird fees



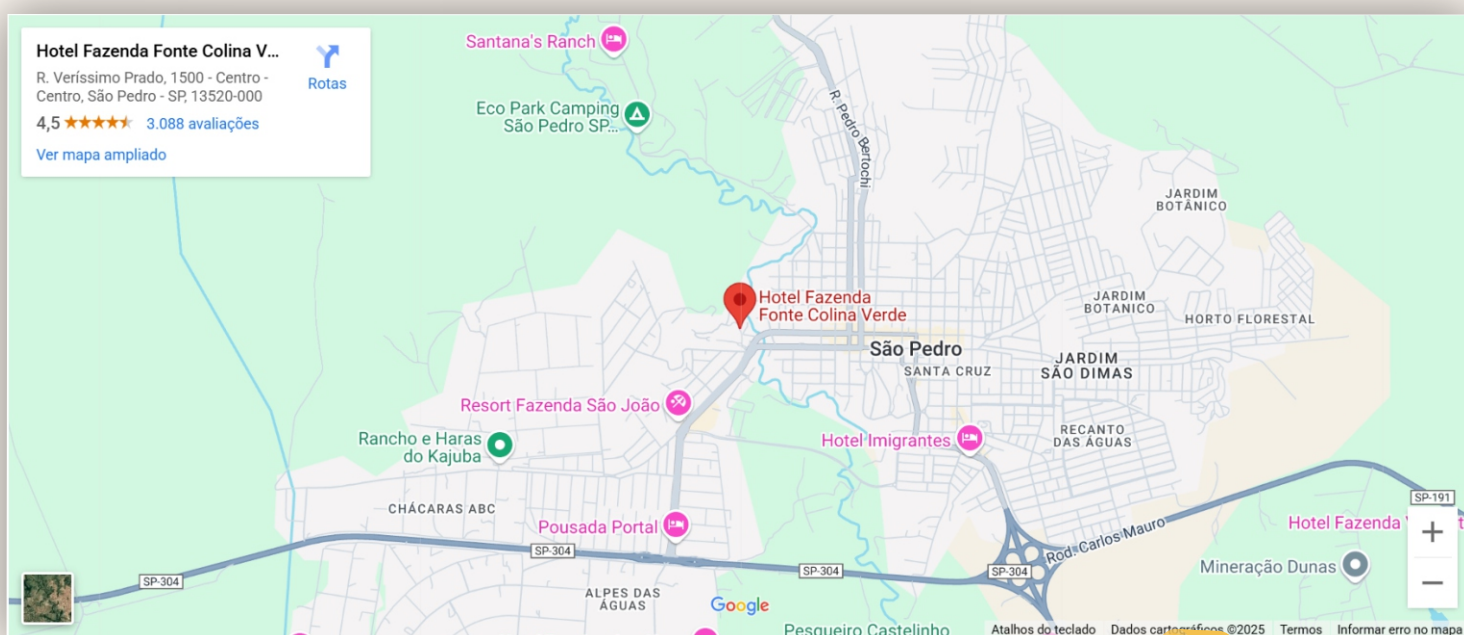
CONFERENCE VENUE

The Pheno2025 conference will be held at Hotel Fonte Colina Verde in the São Pedro County, situated 180 km (112 miles) from São Paulo state capital, São Paulo City, Brazil. Spanning 200,000 m², the hotel features multifunctional conference rooms, auditoriums, and over 153 guest rooms, offering comprehensive services for conferences, accommodations, dining, and leisure activities. There are special activities for kids.

The region is known as Serra do Itaqueri is renowned for its scenic beauty and therapeutic hot springs. Nestled amidst lush greenery and rolling hills, Serra do Itaqueri offers a tranquil retreat from urban life, attracting visitors seeking relaxation and rejuvenation. The region enjoys a subtropical climate characterized by mild winters and warm summers, making it an ideal destination year-round.

Beyond its natural allure, the region also boasts a rich cultural heritage, with charming small cities displaying nice colonial architecture, artisanal crafts, and vibrant local festivals showcasing its community spirit. Whether exploring the tranquil surroundings or indulging in its cultural offerings, São Pedro and other surrounding cities promises a delightful experience.

Click on the map to access Google Maps







PHENO

Towards a global
phenology science

2025
July 28th to August 1st

Access our social
media by clicking
on the links nearby!



pheno2025.com



@pheno2025



@pheno2025

Register and join us!



SUBS-
CRIBE



PROGRA-
MME

Endorsed by



Hosted by



CBioClima
Centro de Pesquisa
em Biodiversidade
e Mudanças do Clima



Financial support



Supported by



IPA
INSTITUTO DE
PESQUISAS AMBIENTAIS