



# CSSP Brazil Annual Workshop 2026 Agenda

16 – 18 June 2026

INPE CPTEC Cachoeira Paulista, São Paulo

## Overview

The CSSP Brazil Annual Science Workshop is a chance for UK and Brazilian scientists involved in CSSP Brazil collaboration to come together to review progress, raise awareness of work going on across the partnership and develop linkages across partners and work packages.

We will discuss science progress, highlights and plans, strengthen partnerships between individuals, work packages and institutions, and identify opportunities for new demonstration climate services.

It is also an opportunity to identify project impacts, including benefits to Brazil, the UK and the international science community and showcase our results to stakeholders and potential decision makers.

We will look ahead to scope future opportunities to continue working together to tackle outstanding scientific challenges and further strengthen the CSSP Brazil project to build a legacy of science to service capability.

Information about the workshop, venue and registration process can be found on the [CSSP Brazil UK Workshop SharePoint page](#).

## Outline agenda

|                                 | Morning   | Afternoon  | Evening  |
|---------------------------------|---|--|--|
| Monday 15 <sup>th</sup> June    |   |  | Director Dinner (informal – invitation only)                             |
| Tuesday 16 <sup>th</sup> June   | Briefing for SRP (Invite only)<br>Registration<br>Director Talks<br>WP 1 Introduction | Workshop Day 1 WP1 Talks and Poster Session  | Workshop Dinner<br>TinTim Pizzaria                                       |
| Wednesday 17 <sup>th</sup> June | Travel to CEMADEN<br>Early Career Session   | Workshop Day 2 WP3 talks<br>Directors Meeting (Invite only)<br>SRP Meeting (Invite only)                             | Informal meal in São José dos Campos<br><br>Travel to Cachoeira Paulista |
| Thursday 18 <sup>th</sup> June  | Break out Session<br>WP2 Talks  | WP themed Break Out<br>Group Sessions<br>Closing Remarks<br>Executive Committee Meeting (Invite only)<br>SRP meeting | Free time / travel   |
| Friday 19 <sup>th</sup> June    | Optional Field trip   | Optional Field trip  |  |

## Agenda

### Tuesday 16<sup>th</sup> June – Workshop Day 1 – INPE CPTEC

*All plenary presentations are 15 mins + 5 mins questions unless otherwise shown*

Teams Link for remote attendance: [Link for DAY 1](#)

Meeting ID: 312 193 503 789 360

Passcode: VZ6hV7Zj

|  |  |   |
|--|--|---|
| 08:30  | Science Review Panel Briefing attendees picked up from Hotel Do Feijao                         |   |
| 09:00 - 0945:  | <b>Closed Side meeting: Science Review Panel (SRP) Briefing Session by invitation only</b>     | <b>Location:</b> CPTEC Building (DIPTC meeting room, 2 <sup>nd</sup> Floor)<br><br>Chair: Andy Wiltshire/Andy Hartley           |
| 09:00  | Workshop delegates picked up from Hotel Do Feijao  |   |
| 09:30 – 10:00  | Arrival and registration   |   |
| <b>Plenary Session 1 Welcome and Director Talks</b>  |  | <b>Location:</b> Main auditorium: Alberto Setzer auditorium   |
| 10:00 – 10:05  | Welcome and housekeeping slides  | Session Chair: INPE CPTEC Gilvan Sampaio & Caio Coelho  |
| 10:05 – 10:15  | Key note speaker (FCDO)  | FCDO Representative   |
| 10:15 – 10:55  | Director Perspectives and Highlights (10 mins per Director)                                    | Jose Marengo (CEMADEN)<br>Antonio Miguel (INPE)<br>Henrique Pereira (INPA)<br>Andy Wiltshire (representing Met Office Director) |
| 10:55 – 11:05  | Science highlights for 2025/26 and long term plans for collaboration                           | Andy Hartley (Met Office)   |
| 11:05 – 11:20  | Break  |   |
| <b>Plenary session two: Work Package 1 talks</b><br><i>All plenary presentations are 15 mins + 5 mins questions unless otherwise shown</i> |  | <b>Location:</b> Main auditorium: Alberto Setzer auditorium   |
| 11:20 – 11:30  | Introduction to session and overview of WP1  | Eddy Robertson (Overview) and Andy Wiltshire (Session Chair)  |
| 11:30 – 11:50  | Talk 1 “Land Use change precipitation Reduction Emulator” (LURE)                               | Luis Cattelan (University of Leeds)   |
| 11:50 – 12:10  | Talk 2 "Ongoing environmental change and implications for ecosystems in the Brazilian Cerrado" | Manoel Cardoso (INPE)   |

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| 12:10 – 12:30 | Talk 3 "Pathways to sustainable land futures in Brazil: biodiversity, carbon, water, and local climate impacts"                      | Celso von Randow (INPE)                                       |
| 12:30 – 13:45 | Lunch and photo shoot  |   |
| 13:45 – 14:05 | Talk 4 "The role of functional diversity on the Amazon forest responses to eCO <sub>2</sub> and other updates from AmzFACE modeling" | David Lapolla (Unicamp)                                       |
| 14:05 – 14:25 | Talk 5 "AmazonFACE updates and links to nutrient cycling"  | Beto Quesada (INPA)   |
| 14:25 – 14:45 | Talk 6 "Amazon Dieback Understood through Tree Recruitment, Growth, and Mortality"   | Arthur Argles (Met Office)                                    |
| 14:45 – 15:00 | Break  |   |
| 15:00 – 15:20 | Talk 7 "Critical atmospheric vapor-pressure-deficit values indicate a decoupling of carbon uptake from water loss in Amazon forests" | Cleo Quaresma (INPA)  |
| 15:20 – 16:30 | Poster Session and accompanying lightening talks   | <b>Location:</b> CPTEC Building (main Auditorium Hall)        |
| 16:30 – 17:00 | SRP Closed meeting (Invitation only)   | <b>Location:</b> CPTEC Building (DIPTC Meeting Room, Floor 2) |
| 17:00         | Close of day 1   |   |

### Mapping

|               |  |               |
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| 19:00 – 21:00 | Workshop Dinner – venue TinTim restaurant, Cachoeira Paulista. | All delegates |
|---------------|--|---------------|

## Agenda

### Wednesday 17<sup>th</sup> June – Workshop Day 2 - CEMADEN

*All plenary presentations are 15 mins + 5 mins questions unless otherwise shown*

Teams Link for remote attendance: [Link for DAY 2](#)

Meeting ID: 343 804 326 457 766

Passcode: YS6r5B9f

| <b>Arrival 0830 for travel to CEMADEN</b>          |   |  |
|--|---|--|
| 08:30 – 10:15                                      | Travel to CEMADEN (transport arranged)  |  |
| 10:15 – 10:30                                      | Arrival and coffee  |  |
| 10:30 – 12:00                                      | <b>Early Career Session (10 min + 2 min Q&amp;A)</b>  | <b>Location:</b> Main auditorium (Auditório) – chair Arthur Argles and Anna Bradley (Met Office) |
|  | Introduction/overview   | Arthur Argles and Anna Bradley   |
|  | The impacts of projected forest change on moisture budgets over major South American river basins | Callum Smith (University of Leeds)   |
|  | Non-local warming dominates Amazon deforestation impacts  | Sarah McClory (University of Leeds)  |
|  | Forecasting drought impacts using machine learning  | Joe Gallear (Rothamsted Research)  |
|  | Quantifying Wildfire Impacts on Power Networks  | Weijia Yang (University of Oxford)   |
|  | Compound Drought-Heatwave Events and Brazil's Energy Sector                                       | Anna Bradley (Met Office)  |
|  | Understanding Weather Pattern Evolution Preceding Landslides in Southeast Brazil                  | Victoria Mkessa (University of Oxford)   |
| 12:00 – 13:00                                      | Lunch   |  |
| <b>Plenary session three: Work Package 3 talks</b> |   | <b>Location:</b> Main auditorium (Auditório)   |
| 13:00 – 13:10                                      | Introduction to session and overview of WP3   | Andy Hartley (Session Chair, and present on behalf of Ron Kahana)                                |
| 13:10 – 13:30                                      | Talk 8 "Weather-Pattern Approach to Landslide Forecasting"  | Lewis Ireland (Met Office)   |
| 13:30 – 13:50                                      | Talk 9 "Weather pattern-based landslide risk forecasting during the January 2026 SACZ event"      | Henri Pinheiro (CEMADEN)   |
| 13:50 – 14:10                                      | Talk 10 "São Sebastião Landslide Attribution"   | Rafael de Abreu (University of Oxford)   |

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| 14:10 – 14:30         | Talk 11 “Dry spells in SE Brazil”  | Christopher Cunningham (CEMADEN)                             |
| 14:30 – 14:50         | Talk 12 “Drought monitoring and early warning using ML-based prediction”                     | Marcelo Zerri (CEMADEN)                                      |
| 14:50 – 15:05         | Break  |  |
| 15:05 – 15:25         | Talk 13 “Short-term recovery of a tropical forest after multi-decadal drought”               | Mateus Silva (remote) University of Exeter                   |
| 15:25 – 15:45         | Talk 14 “Tropical forest loss causes observed reductions in downwind tropical precipitation” | Ed Butt (remote) or Dominick Spracklen (University of Leeds) |
| 15:45 – 16:00         | Talk 15 “2024/25 State of the Wildfires”   | Andy Hartley (Met Office)                                    |
| 16:00 – 17:00         | Visit to CEMADEN monitoring room and experimental field                                      |  |
| 16:00 – 17:00         | Directors Meeting (invitation only)  | Director’s Office  |
| 16:00 – 17:00         | SRP Closed meeting (Invitation only)   | Sala de imprensa   |
| 18:00 – 19:45         | Travel back to Cachoeira Paulista  |  |
|                       |  |  |
| <b>Close of day 2</b> |  |  |

## Agenda

### Thursday 18<sup>th</sup> June – Workshop Day 3 INPE CPTEC

All plenary presentations are 15 mins + 5 mins questions unless otherwise shown

Teams Link for remote attendance: [Link for DAY 3](#)

Meeting ID: 396 753 002 355 769

Passcode: Ed2HZ3Jz

| Arrive 0900                                       |  | Location/Speaker   |
|---|--|--|
| <b>Plenary session four: Work Package 2 talks</b> |  | <b>Location:</b> Main auditorium:<br>Alberto Setzer auditorium |
| 09:00 – 09:10                                     | Introduction to session and overview of WP2  | Rob Chadwick (Met Office)                                      |
| 09:10 – 09:30                                     | Talk 16 “Are changes in Rossby wave characteristics linked to unprecedented Brazilian heatwaves?”                | Marcia Zilli (University of Oxford)                            |
| 09:30 – 09:50                                     | Talk 17 “Evaluation of South Atlantic Convergence Zone (SACZ)-type cloud bands in subseasonal prediction models” | Caio Coelho (INPE)   |
| 09:50 – 10:10                                     | Talk 18 “Cloudbands in seasonal forecasts and initial results from recent work on soil moisture prediction.”     | Jerry Samuel (University of Oxford)                            |
| 10:10 – 10:30                                     | Talk 19 “South American moisture transport: impacts and perspectives”  | Murilo Lemes (INPE)  |
| 10:30 – 11:00                                     | Break  |  |
| 11:00 – 11:20                                     | Talk 20 “Processes driving future projections of Amazon drying”  | Rob Chadwick (Met Office)                                      |
| 11:00 – 11:20                                     | Talk 21 “Untangling the web of Climate-Fire-Vegetation-Composition interactions in an Earth System Model”        | Steven Turnock (Met Office)                                    |
| 11:40 – 12:00                                     | Talk 22 “Water and Energy Budget Controls on Brazilian Amazon Precipitation in CMIP6 LUMIP Simulations”          | Callum Smith (University of Leeds)                             |
| 12:00 – 13:15                                     | Lunch  |  |
| 13:15 – 13:25                                     | Plenary Session  | Andy Hartley (Met Office)                                      |
| 13:25 – 14:45                                     | Work Package Break Out Sessions<br>WP1<br>WP2<br>WP3   | Chairs and rooms CPTEC Building                                |
| 14:45 – 15:00                                     | Work Package Break Out Sessions feedback (5 mins per WP)   | Break Out Session Chairs                                       |
| 15:00 – 15:15                                     | Break  |  |
| 15:15 – 15:45                                     | Closing Remarks and SRP Feedback   | Antonio Miguel (INPE)  |

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|                |   | Andy Wiltshire (Met Office)<br>Tercio Ambrizzi (SRP)       |
| Workshop Close |   |  |
| 15:45 – 16:45  | Executive Committee Meeting (Invitation only) | CPTEC Building (DIPTC Meeting Room, 2 <sup>nd</sup> Floor) |
| 15:45 – 16:45  | SRP closed meeting (Invitation only)          | CPTEC Building (CGCT Meeting Room, Ground Floor)           |

## Agenda

### Friday 19<sup>th</sup> June – Optional Field Trip (for registered delegates only)

|               |   |   |
|---------------|---|---|
|               |   |   |
| 06:00 – 08:00 | Travel to National Park                             | <b>Location:</b> tbc  |
| 08:00 – 12:00 | Visit to Itatiaia National Park (details to follow) | <a href="https://pnitatiaia.com.br/en/">https://pnitatiaia.com.br/en/</a><br>Hiking boots, swimwear |
| 12:00 – 15:00 | Lunch   |   |
| 15:00 – 17:00 | Travel back to Cachoeira Paulista                   |   |