



# IICT's Interdisciplinary Legacy: TropiKMan, CORES, AHU & JBT\*

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\* Presented at a seminar titled “Meeting the societal challenges of the 21st century through a focus on our cultural heritage”, held at Museu da Cidade - Almada on 28 March 2018 following the 2nd CORES Advisory Committee Meeting and the celebration of the 20th anniversary of the Department of Conservation and Restoration (DCR/FCT). The authors thank participants for comments and suggestions but remain responsible for the text. While they were at IICT and are now members of *Liga de Amigos do Jardim Botânico Tropical (LAJBT)*, the views expressed are their own.

# Background

- ✓ Portugal's Tropical Research Institute (IICT) was first established in 1883, on the eve of the Berlin Conference, as part of the Navy and Overseas Ministry.
- ✓ It absorbed the Tropical Botanical Garden (JBT) and the Overseas Historical Archive (AHU) in 1973 and, in 2015, when it was part of the Ministry of Foreign Affairs, it was merged into the new ULisboa, except for AHU which was merged into the National Archives (DGLAB).
- ✓ The Portuguese Science Foundation (FCT) funded two interdisciplinary Ph.D. programs involving IICT:
  - TropiKMan offered at NOVA SBE and ISA/ULisboa
  - CORES offered at FCT/UNL.
- ✓ JBT and AHU were services opened to the public, which managed the historical and scientific collections of IICT (CH&C). JBT is supervised by ULisboa Vice-Rector José Manuel Pinto Paixão and AHU by Director General Silvestre Lacerda.

# Outline

- ✓ In presenting the two pairs of programs and services, we wish to showcase the explicit link of TropiKMan to the Community of Portuguese Speaking Countries (CPLP) and of the Center for Globalization and Governance (CG&G) with the Academia das Ciências de Lisboa, through a memorandum signed in April 2008.
- ✓ National archives across CPLP are linked through *Fórum de Arquivos de Língua Portuguesa*, while COLUSO is a platform between Portugal and Brazil.
- ✓ References at end:
  - ✓ 1 and 2 show how this relates to “global lusophonia” and to the promotion of “mutual knowledge” called for by the CPLP declaration on MDGs (now SDGs) approved in Bissau in 2006.
  - ✓ 3 and 7 explain how “silos” in knowledge and management led to the 2008 financial crisis in advanced economies on attempt to overcome through.
  - ✓ 5 and 6 illustrate how “lusophonia” leveraged “lusophilia” in the eyes of a quintessentially British magazine.
  - ✓ A recent summing up with articles in English and Portuguese is in 4.

# TropiKMan: Mission

TropiKMan PhD



TropiKMan links **Management** with **Natural** and **Environmental Sciences**

The aim of the TropiKMan Program is to give an entrepreneurial attitude to PhD students in **Agrobiotechnology, Health Sciences** and **Agribusiness and Governance for Development**. As such, the Program also provides inventors, innovators and entrepreneurs with opportunities to showcase their ideas, projects and processes to potential investors, mentors, government officials and the public at large.

TropiKMan trains students with inventive, innovative and entrepreneurial attitudes so as to bring **management perspectives** from several disciplines to bear on **scientific problems in tropical regions**.

Students harness the potential commercial value of the knowledge and management skills they acquired thus raising the **employment potential** and upgrading the **capacity to export** of tropical regions.

# Benefits

TropiKMan PhD



BENEFITS OF THE PROGRAM	WHAT CAN A TROPIKMAN PHD EXPECT?
<ul style="list-style-type: none"> <li>• Diversify management base</li> </ul>	<ul style="list-style-type: none"> <li>• Promote the capture and sharing of tropical knowledge across the world</li> </ul>
<ul style="list-style-type: none"> <li>• Strengthen existing capacity and capability</li> </ul>	<ul style="list-style-type: none"> <li>• Support increased economic resilience and diversification</li> </ul>
<ul style="list-style-type: none"> <li>• Improve productivity</li> </ul>	<ul style="list-style-type: none"> <li>• Improve innovation</li> </ul>
<ul style="list-style-type: none"> <li>• Maximise networking and innovation</li> </ul>	<ul style="list-style-type: none"> <li>• Drive export of tropical knowledge and products, including natural resource management services; tropical health service delivery for remote areas; agriculture and agribusiness; governance for development</li> </ul>
<ul style="list-style-type: none"> <li>• Position IIC partners as world leaders in tropical knowledge and innovation in Africa</li> </ul>	<ul style="list-style-type: none"> <li>• Drive tropical knowledge relationships across the region of the IIC partners</li> </ul>
<ul style="list-style-type: none"> <li>• Bring multiple benefits across sectors ranging from health to energy.</li> <li>• Build knowledge, training and skills facilitation, increasing the effectiveness and motivation of the workforce</li> </ul>	<ul style="list-style-type: none"> <li>• Deliver tangible benefits from commercialization of products, ideas, knowledge and concepts</li> </ul>

# Governance

TropiKMan PhD



## Program Director (PD)

- Professor Luis Lages who delegated the tasks to Professor Jorge Braga de Macedo

## External Advisory Committee (EAC)

- EAC supervise the overall quality of the program. Its members are Rui Malhó (FCUL), Etienne Hainzelin (CIRAD), Huub Loffler WUR).

## Executive Committee (EC)

- EC is composed by the PD and a senior researcher from each institution participating in the consortium, plus a Scientific Coordinator that co-chairs de EC:
- PD (Nova SBE) –Jorge Braga de Macedo, by delegation
- Nova SBE – Miguel Pina e Cunha
- IHMT – Jorge Seixas
- ISA/ULIsboa – Manuel Correia
- UEM – Natasha Ribeiro
- UJES – Amílcar Salumbo
- UniCV – Iniza Araújo
- UPretoria – Darrel Abernethy
- Scientific Coordinator – Ana Portugal Melo (formerly of IICT and ISA)

## Pedagogic Committee (PC)

- A PC is composed by 1 elected student per cohort, 1 representative of coaches and 1 representative of supervisors. A representative of the EC and the SC will also integrate this council.

# CORES: Mission

TropiKMan PhD



**CORES promotes the preservation of Cultural Heritage linking Conservation-Restoration & Conservation Science with several other disciplines**

The aim of this PhD program is to advance knowledge and educate students in conservation science, conservation-restoration technology and other areas of scholarship that will best serve the aim of preservation and conservation of our cultural heritage in the 21st century for future generations.

The doctoral course provides students with training across different disciplines, which range from the **natural and exact sciences to the social and human sciences** and encourages them to pursue interdisciplinary research, exposing them to different work methodologies.

In a field where **science, conservation technology and history** are completely interdependent, it is critical that PhD level research is truly **cross-disciplinary**.

# Students & Awards

TropiKMan PhD



Name	Edition
Amanda Monteiro Corrêa Pinto (Brasil)	1ª CAPES Brasil
Ana Rita da Silva de Araújo	1ª
Andreia Maria Meira Machado Nogueira	1ª
Joana Santos Lima da Silva	1ª
Maria Theodoraki (Grécia)	1ª Marie Curie
Sara Sobral Babo	1ª
Paula Sofia Fonseca Nabais	2ª & 3ª
Tatiana Mendes Ferreira Vitorino	2ª & 3ª
Catarina Figueiredo Moura Galdes	2ª & 3ª
Eva Mariasole Angelin (Itália)	2ª & 3ª
Joana Moura Devesa	2ª & 3ª
Maria Francisca Pulido Valente	2ª & 3ª
Paula Alexandra Pinto Rodrigues	2ª & 3ª
Rute Correia Chaves	2ª & 3ª
Samaneh Sharif (Irão)	2ª & 3ª
Telma Chito Ribeiro	2ª & 3ª
Ailin Chen (China)	4ª
Daniel Esteban Vega	4ª
Mario Bandiera (Itália)	4ª
Raquel de Rocha Marques	4ª
Sara Raquel Santana de Sá	4ª
Sofia Alexandra Machado Gomes	4ª
Ana Rita Ferreira dos Santos Salgueiro	5ª
Ângela Barros Santos	5ª
Artur Louro Mendonça Neves	5ª
Carla Fabiana Vaz Machado	5ª
Hermine Grigoryan (Arménia)	5ª
Maura Fugazzotto (Itália)	5ª

## PhD Students CORES

Inês Coutinho

New insights into 17<sup>th</sup> and 18<sup>th</sup> century glass from Portugal: Study and Preservation

13 Julho, 2016 | 14h  
Sala de Actos, Edifício IV

Supervisors:  
Prof. Doutora Mária Vilarigoes (DCS, VICENTE, FCT/UNL)  
Doutora Mária Ventura (IASP-REQUIMTE, FCT/UNL)  
Doutora Teresa Medeiros (VICENTE, FCT/UNL)

Silvia Oliveira Sequeira

Fungal biodeterioration of paper  
Development of safer and accessible conservation treatments

24 Junho, 2016 | 14h  
Sala de Actos, Edifício IV

Orientadores: Prof. Doutora Filomena Macedo (DCR, FCT-UNL)  
Prof. Doutor Eurico Cabrera (DQ, FCT-UNL)  
Doutor Alan Phillips (UCIBIO, FCT-UNL)

## PROGRAMA DE ESTÍMULO À INVESTIGAÇÃO 2016

O Conselho de Administração da Fundação Calouste Gulbenkian tem o gosto de convidar V. Excelência para a apresentação dos projetos e entrega dos certificados dos prémios atribuídos no âmbito do Programa de Estímulo à Investigação.

22 fevereiro 2017 | Auditório 3

15h00 Abertura  
Dr. Guilherme d'Oliveira Martins, Administrador da Fundação

15h15 Apresentação dos projetos de investigação premiados no âmbito do Programa de Estímulo à Investigação 2016  
Entrega das distinções

17h00 Encerramento

Seguir-se-á um cocktail

Agradece-se a confirmação até dia 17 de fevereiro  
T.217.823.359  
Jlucas@gulbenkian.pt

FUNDAÇÃO CALOUSTE GULBENKIAN

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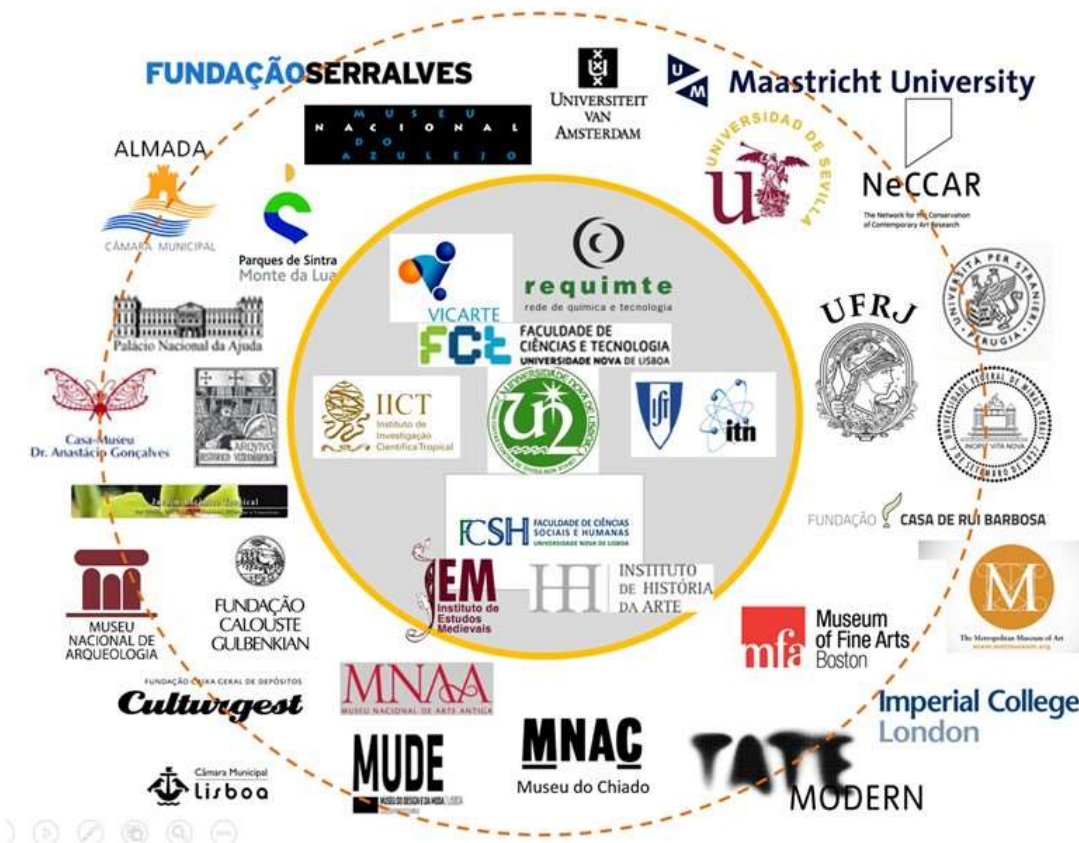


SOS Azulejo PRIZE



# Network and Experts

TropiKMan PhD



experts for CORES

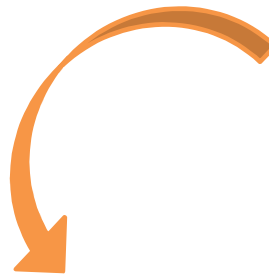
António Pires de Matos	Instituto Tecnológico Nuclear IST/UTL - Portugal
António Sgamellotti	Univ. Perugia - Italy
Arnaldo Abrantes	Instituto Superior de Engenharia de Lisboa - Portugal
Aviva Burnstock	Courtauld Institute of Art - UK
Brunetto G. Brunetti	Univ. Perugia - Italy
Cesareo Saiz-Jimenez	Instituto de Recursos Naturales y Agrobiologia CSIC - Sevilla, Spain
Costanza Miliani	Univ. Perugia - Italy
Jaap Boon	JAAP-Enterprise - Netherlands
Jan Wouters	Consultor - Belgium
João Coroado	Instituto Politécnico de Tomar - Portugal
Klaas Jan van den Berg	Institute for Cultural Heritage - Netherlands
Lisa Pilosi	Metropolitan Museum of Art - NY USA
Marco Verità	Univ. Venezia - Italy
Mark Clarke	Univ. Amsterdam - Netherlands
Michele Derrick	Museum of Fine Arts - Boston USA
Piero Tiano	Istituto per la Conservazione e la Valorizzazione dei Beni Culturali CNR - Italy
Raquel Henriques da Silva	Univ. Nova de Lisboa-FCSH Portugal
Susanna Bracci	Istituto per la Conservazione e la Valorizzazione dei Beni Culturali CNR - Italy
Tom Learner	The Getty Conservation Institute - Los Angeles USA

# Governance

TropiKMan PhD



IICT team,  
now at ULisboa



Board of  
Directors



L to R: José Carlos Rodrigues (ISA); Maria M. Romeiras (ISA); Ana Cannas (CH)



L to R: Conceição Casanova (Deputy); Maria João Melo (REQUIMTE, Programme Director), Márcia Vilarigues (Deputy)

# JBT

- JBT created in 1906 with the goal of teaching Tropical Agronomy
- The JBT is home to a collection of ca. 600 species mostly from tropical regions and many were bring to memory the Portuguese navigators
- From the artistic, cultural and historical inheritance there are several emblematic constructions spread in the garden



# History

- The first “*Jardim Colonial*”, was created on January 25, 1906, during the kingdom of D. Carlos I, in the palace of the Condes de Farrobo (Palácio das Laranjeiras, Sete Rios, Lisboa), to support the teach of Tropical Agronomy.
- Following the fall of the Monarchy, the “*Jardim Colonial*” is established in Belém in 1912, where stands today.



Figures. **Above:** Jardim do Ultramar, atual Jardim-Museu Agrícola Tropical. [19--]. Eduardo Portugal. **Below:** Paulo Guedes. Jardim-museu Agrícola Tropical. [19--]. Figs from: Arquivo Fotografico © Aml, Lisboa

# Cultural and historical heritage

- At the top of the garden spreads is the garden “Jardim de Buxo” and the Condes da Calheta Palace, from the 17th century
- Casa da Direção, with panels representing tropical themes, built in 1940 for the occasion of the **“Exposição do Mundo Português”**.
- Scattered throughout the garden and reporting to the Portuguese World Exhibition in 1940, are 14 busts by Manuel de Oliveira, reproducing features of various races.



# AHU

## Background

- Created in 1931 depending on the Overseas Office
- Main goal: collect and preserve Portuguese colonial records and related official editions and bibliography
- 1st conservation laboratory on paper records in Portugal in 1965



# Holdings and Challenges

## Holdings

- Ca. 16 km textual and graphic records
- Dated end of 16th to 1974-1975
- Mostly in paper
- Mainly created by the Portuguese overseas administration
- Ca. 17.000 library items



## Legacy and challenges

- Deep relation between AHU holdings and IICT archives and still records at the National Archives/DGLAB and at the Foreign Affairs Archives
- Aim of conveying to the users the knowledge on this shared inheritance, e.g. DGLAB data base Digitarq and university research projects with cultural heritage institutions



# References

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3. ———editor 2015b, **Writing to Queens as Crises Proceed, In memory of Manuel Jacinto Nunes**, IICT and CG&G
4. ———2018, Antevendo mais lusofonia e outras memórias lusófilas, **NOVASBE Working Paper** nº 622,
5. **Monocle**. 2012. “Generation Lusophonia: why Portuguese is the new language of power and trade.” 6, p. 58 ff.
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7. Tett, Gillian 2015. **The Silo Effect: The Peril of Expertise and the Promise of Breaking Down Barriers** . New York, NY: Simon and Schuster.