



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA



*Development of the internationalization of PhD studies in South Africa*

*“Toward institutional structures that support the complete PhD life cycle”*

Pretoria, Training session 2, 26-29 March 2019



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of the European Union



# Overview of the *Joint-Doctorate* offered at F'SATI

Anish Kurien (TUT)



## Some Context...

- The French South African Institute of Technology (F'SATI) is a Graduate School that was jointly developed by France and South Africa.
- The initiative was taken early in 1994 by the Chamber of Commerce and industry of Paris (CCIP) after a visit by former President Nelson Mandela to France.

## What is F'SATI?

- The French South African Institute of Technology (F'SATI) is currently based at TUT (since 1996) and CPUT (since 2008)
- Programme is supported by both the French and South African Governments (CCI-IDF, DST, NRF....)
- The Institute primarily focuses on Graduate programmes that lead to the awarding of collaborative / joint qualifications at Master's and Doctorate level in collaboration with various academic partners in France.

# Joint-Doctorate Programmes

- Presently offer the Joint Doctorate programme administered within the framework of the *French 'co-tutelle' agreement*.
- The *Co-tutelle* thesis promotes
  - The *mobility* of doctoral students;
  - Reinforces the *international dimension* of doctoral schools / institutes (F'SATI)
  - Develops *scientific collaboration* between French and foreign research teams.
- Candidates carry out their work under the supervision and responsibility of a thesis supervisor *in each of the two countries* concerned.
- The two thesis supervisors fully exercise the function of tutor to the doctoral student.
- The procedure allows for a doctoral candidate to obtain the doctoral degree *jointly* with recognition in both countries following a *single defense*.



# The F'SATI Model

University of  
Technology



Tshwane University  
of Technology  
*We empower people*



Cape Peninsula  
University of Technology



**F'SATI**  
French South African Institute of Technology

MEng/MSc

DEng/PhD

French Partner

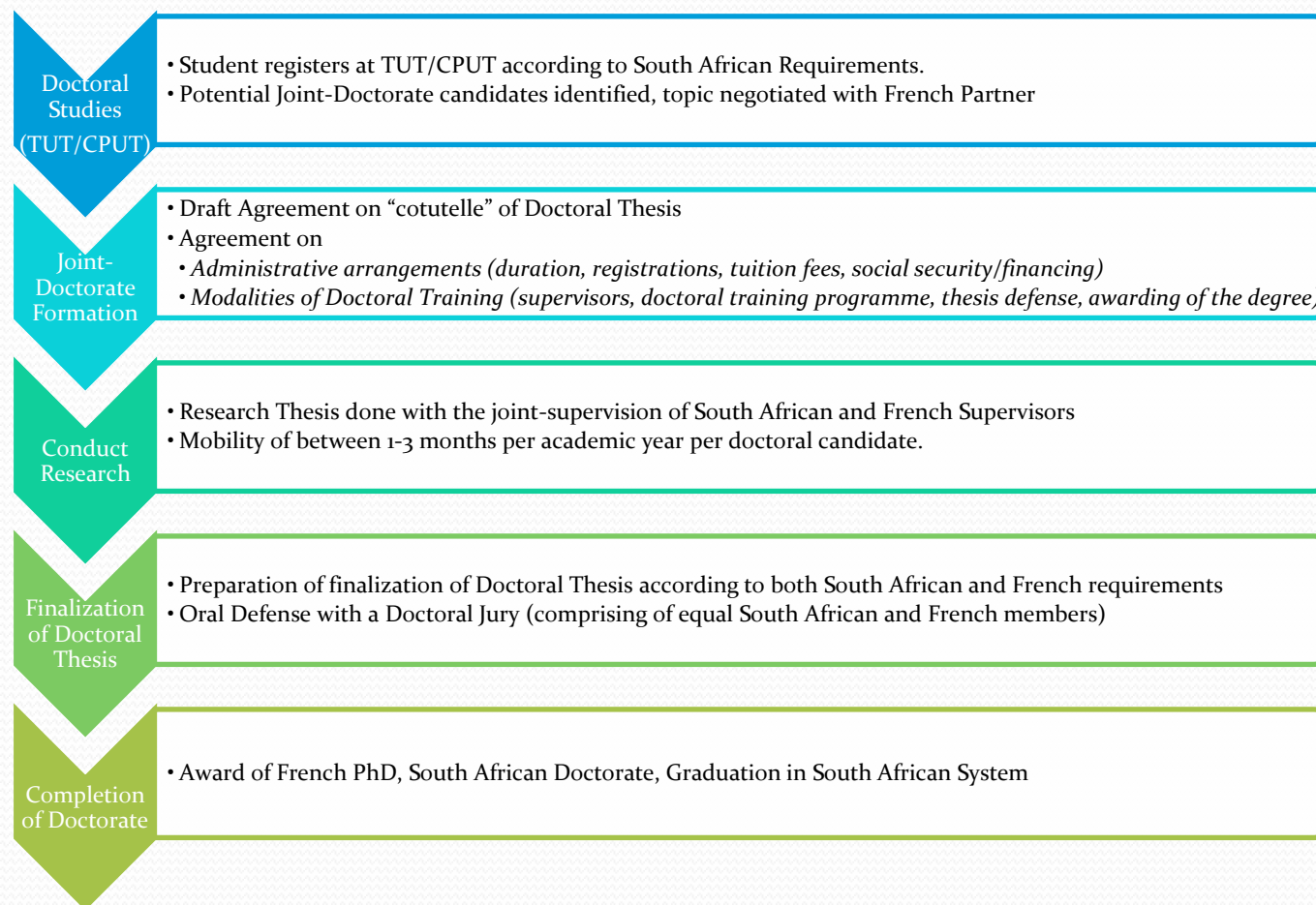
**ESIEE**

UNIVERSITÉ  
— PARIS-EST

université  
PARIS-SACLAY



# Processes Followed



# Sample *Co-Tutelle* Agreement

université  
PARIS-SACLAY



## Agreement on “cotutelle” of Doctoral Thesis

### Preamble

Having regard to the French Code of Education, in particular its articles L. 123-7, L. 612-7, D. 611-1 to D. 611-6, D. 123-13 and D. 123-14, to the Ministerial Order of 25th May 2016 concerning the doctoral training, in particular its article 21.

**Université Paris-Saclay**, located at Espace Technologique, immeuble Discovery, RD 128, Route de l'Orme aux Merisiers, 91190 Saint Aubin, France, represented by its President, Mr. Gilles Bloch,

and

**Université de Versailles-Saint-Quentin-en-Yvelines (UVSQ)**, located at 55 Avenue de Paris, 78000 Versailles, France, represented by its President, Mr Alain Bui

and

**Tshwane University of Technology**, located at Staatsartillerie Rd, Philip Nel Park, Pretoria, 0183, South Africa, represented by its Vice-Chancellor and Principal, Prof. Lourens van Staden,

have agreed to enter into an Agreement for the joint supervision of a doctoral thesis (hereafter referred to as “the Agreement”), in order to specify the administrative and pedagogical arrangements for the preparation by

Mr. Christiaan OOSTHUIZEN, born on 1 November, 1988 in Pretoria, South Africa, South African citizenship.

of a doctoral thesis in the framework of a dual doctorate degree.



Done in three (3) original copies.

For Université Paris-Saclay  
Place: , Date

For Tshwane University of Technology  
Place: Pretoria , Date

Gilles BLOCH, President

Prof. Lourens VAN STADEN, Vice-  
Chancellor and Principal

For Université de Versailles Saint-  
Quentin-en-Yvelines

Place : , Date

Alain BUI, Président

The director of the doctoral school from  
Université Paris-Saclay  
Place : , Date

The Executive Dean of the Faculty of  
Engineering & the Built Environment  
Place : Pretoria , Date :

Prof. Nicole BIDOIT-TOLLU

|  
Prof. Barend Jacobus VAN WYK

The thesis supervisor from Université  
Paris-Saclay  
Place : , Date

The thesis supervisor from Tshwane  
University of Technology  
Place: , Date

Prof. Yasser ALAYLI

Prof. Yskandar HAMAM



# Some Experiences

- Financial Support crucial
  - *Support mobility from French Embassy, SA Universities, French Laboratories, Erasmus+ MIC programmes*
- Staff Mobility is useful
  - *Support from DST/NRF through F'SATI programme, Erasmus+ MIC programmes (TUT-UPEC, TUT-ESIEE, CPUT-UPEC...)*
- Joint appointments between SA-France
  - *1 SARChI Chair joint-appointment between TUT + UPEC*
- Dedicated Students
  - *ideally students who have completed collaborative master's programme (French MSc)*
- Language/Cultural barriers
  - *Support for language training, support from international offices*

## Some Benefits...

- Completion of Joint-Doctorates (SA + France)  $\approx$  16 recipients
- Development of joint research
  - Collaborative efforts in research between SA and France (LISV-TUT, CPUT-UM, LISSI-TUT, COMSIS-TUT...etc)
  - Joint research outputs (accredited outputs, patents..);
  - Increase in supervision capacity;
  - Impact of research (more global impact + local/continental impact);

## Some Benefits...

- Spin offs..
  - Improvement of local staff capacity
    - 7 staff members completed Co-tutelle Doctorates since inception..
- Commercialization activities
  - *Augmented Mobility – spin off company established through GAP Innovation programme, main member is a co-tutelle Doctorate recipient, conducts research in collaboration with French laboratory,*

Thank You..