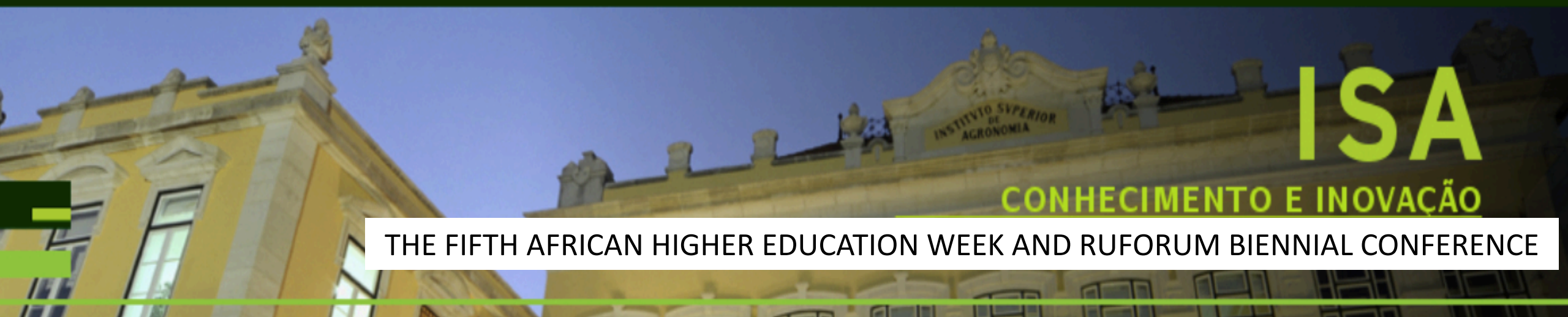




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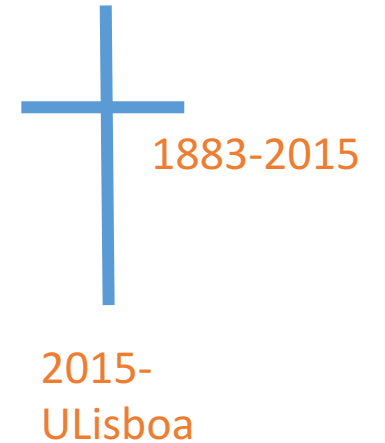
THE FIFTH AFRICAN HIGHER EDUCATION WEEK AND RUFORUM BIENNIAL CONFERENCE

Science for development and EU-Africa advanced training partnerships:
the case of TropiKMan PhD programme

Jorge Braga de Macedo and **Ana M.P. Melo**
Cape Town, 17th – 21st of October 2016

Once upon a time... Not so long ago...

...There was a Tropical Research Institute (IICT)



IICT

- a multidisciplinary research institute, covering social and biological sciences
- working in collaboration with tropical countries
- addressing tropical issues.



*Saber
tropical
Knowledge*
1883-2013
130 anos

The multidisciplinary character and focus in tropical knowledge were the basis to tailor the TropiKMan PhD.



Tropical Knowledge: a map to management

Engaging with Nova SBE

Good management is the art of making problems so interesting and their solutions so constructive that everyone wants to get to work and deal with them.

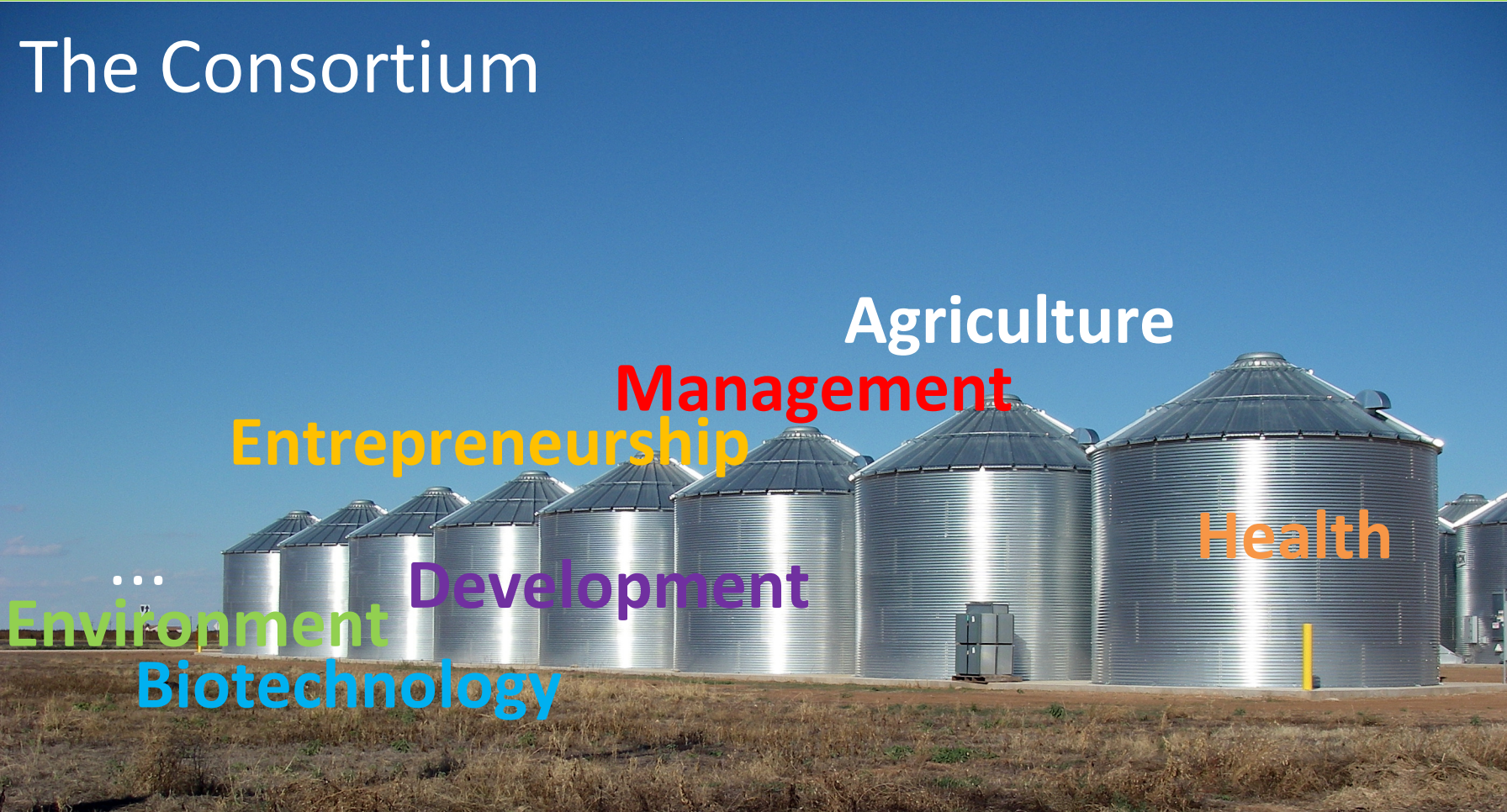
Paul Hawken

Science &
Business
partnerships 4
development



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The Consortium



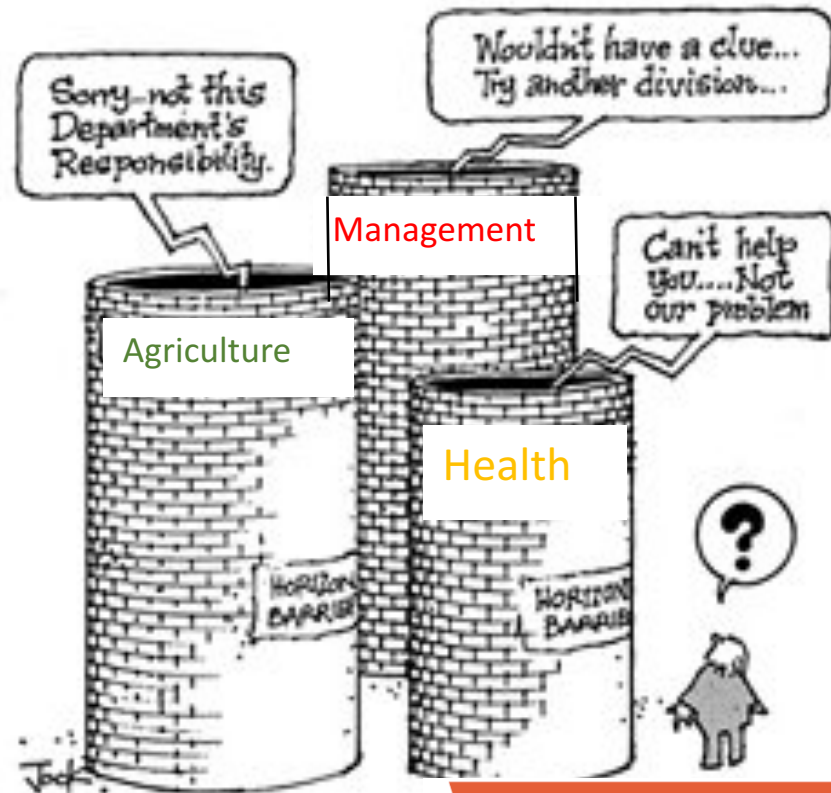
Portugal - África Partnership
4 Higher Education



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Silo curse?

“We can be blind to the obvious, and we are also blind to our blindness.” Daniel Kahneman



Silo bust!

“breaking down silos can spark innovation in unexpected ways.” Gillian Tett





PhD in Tropical Knowledge and Management

TropiKMan links Natural and Environmental Sciences with Management.

Gives PhD students in Agrobiotechnology, Health Sciences and Agribusiness and Governance for Development an entrepreneurial attitude. Provides opportunity for inventors, innovators and businesses to showcase their inventive and innovative ideas, projects and processes to potential investors, mentors, government officials and the public.



PhD in Tropical Knowledge and Management

TropiKMan aims at bridging knowledge of several disciplines to tackle scientific problems in tropical regions with management perspective.

Is an opportunity for students to realize the potential commercial value of their knowledge, invention and innovation, and contribute to the export and employment potential of the tropical regions.

Benefits of a Tropical Knowledge and Management

- Diversify management base
- Strengthen existing capacity and capability
- Improve productivity
- Maximise networking and innovation and
- Favor triangular N-S-S cooperation to foster tropical countries as world leaders in tropical knowledge and innovation;
- Bring multiple benefits across a range of sectors: health, energy, etc
- Build knowledge, training and skills facilitation, increasing the available skilled workforce

What can a Tropikman Phd expect?

1. Promote the capture and sharing of tropical knowledge across the world
2. Support increased economic resilience and diversification
3. Improve innovation
4. Drive export of tropical knowledge and products, including natural resource management services, tropical health service delivery for remote areas, agriculture and agribusiness, and governance for development
5. Drive tropical knowledge relationships across the regions
6. Deliver tangible benefits from commercialization of products, ideas, knowledge and concepts

Governance

Program Director (PD)

External Advisory Committee (EAC)

- Supervises the overall quality of the program.

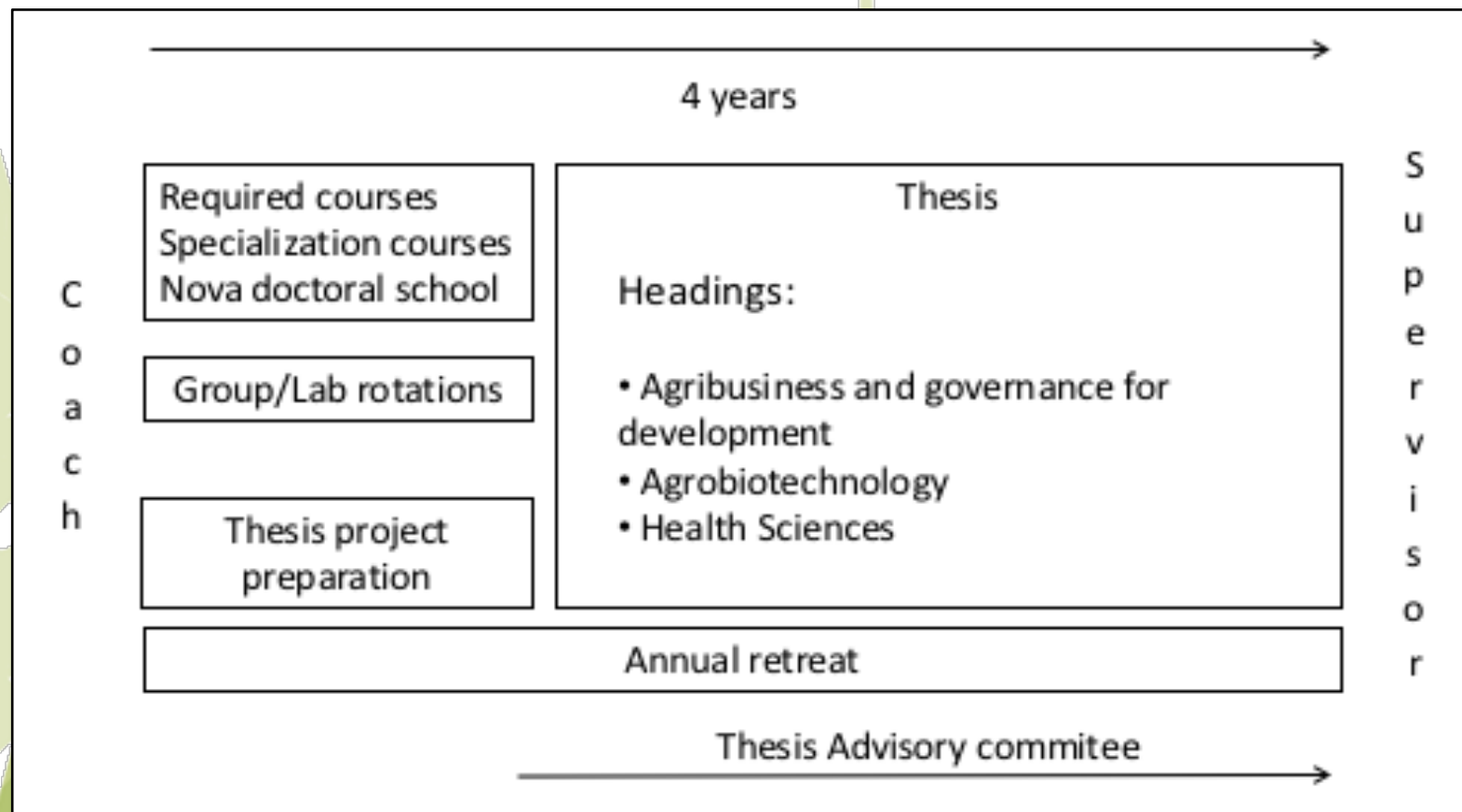
Executive Committee (EC)

- 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 with the Program Director.

Pedagogic Committee (PC)

- 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 also integrate this council.

Program Structure



1st cohort



(Students from Mozambique)

2nd cohort



(Students from Mozambique, São Tomé, Angola and Cape Verde)

Theses topics of the 1st cohort

1. Fire and Biodiversity Dynamics of Legume Tree Species From the Miombo Woodlands in Mozambique
2. Impact of New Packages of Technologies on rice productivity and profitability in Mozambique
3. Identifying candidate genes for improved nodulation and shoot biomass production among Mozambican cowpea (*Vigna unguiculata* sp) varieties grown under osmotic stress condition
4. Patient and Community Knowledge and Practices at managing cervical cancer and HIV/AIDS in Southern Mozambique
5. Assessment of deforestation implications in the Miombo woodlands and the possibility of use residual biomass as a renewable energy
6. Development of molecular tools for Marker Assisted Selection (MAS) of Blast and bacterial blight resistance in rice"
7. Technology Transfer in Rice Crop: from research to farmers in Mozambique

Final remarks

- *TropiKMan PhD* offers advanced training in priority research areas for N-S-S relations and the development of tropical countries in a management and entrepreneurial perspective.
- Its international character contributes to the internationalization and strengthening of the consortium institutions as well as those linked to its students.
- Subsequent years of the programme should consolidate its goals of geographic presence beyond the Portuguese speaking countries.



Funders and Supporters

Fundação para a Ciência e a Tecnologia

International Rice Research Institute

Camões, Instituto da Cooperação e da Língua

Comunidade de Países de Língua Portuguesa



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Muito obrigada

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