

## CURRICULUM VITAE



### Personal Informations

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                    | Jacques de Pina Tavares                                                                                                                               |
| Adress                  | Meio Achada - Praia/ Santiago Island / Cabo Verde                                                                                                     |
| Phone number            | +238 98 92 840                                                                                                                                        |
| Email adress            | <a href="mailto:jacques.tavares@gmail.com">jacques.tavares@gmail.com</a> / <a href="mailto:Jacques.tavares@maa.gov.cv">Jacques.tavares@maa.gov.cv</a> |
| Nationality             | Cabo Verde                                                                                                                                            |
| Date and place of birth | 24/10/1966 - SENEGAL                                                                                                                                  |

### Skills and Experiences

#### Academic Diplomas

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|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| BACHELOR_1996  | Agriculture and Forest Sciences Agrarian Center of Cabo Verde in collaboration with the Agronomic Institute (ISA) of Lisbon in Portugal |
| MASTER I_2000  | Environmental Sciences _ Earth Sciences Faculty of University of Dijon in Bourgogne France                                              |
| MASTER II_2003 | Environmental Sciences _ Earth Sciences Faculty of University of Dijon in Bourgogne France                                              |
| DOCTORAT_2010  | Environmental and Earth Sciences _ Earth Sciences Faculty of University of Dijon in Bourgogne France                                    |

#### Certificates

| Country          | Title of training                                                       |
|------------------|-------------------------------------------------------------------------|
| Spain            | Desertification forecasting in the medium term                          |
| Cabo Verde       | Geotechnology in land management                                        |
| Cabo Verde       | Atlantic Fauna and Flora Symposium                                      |
| Cabo Verde       | Land Degradation in Dryland                                             |
| Portugal-Madeira | Forest Conference                                                       |
| France           | Geographic Information System (SIG-ARCGIS level : I, II, III)           |
| Cabo Verde       | Land use Land Cover                                                     |
| Cabo Verde       | Strategic Planification in Science and Technologies                     |
| Spain            | Assessment of Sustainable Land Management with Stakeholders Involvement |
| Australia        | Dry Land Farming                                                        |
| Australia        | English for dryland farming                                             |
| Cabo Verde       | Land Monitoring with Collect Earth Software                             |
| Cabo Verde       | "Orçamento por resultados para Gestores de Programas"                   |

### Professional Experiences 1

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Functions        | <b>National Volunteer of United Nations (NVUN) – Rural Development</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Date             | October 1997-October 1999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Responsibilities | <ul style="list-style-type: none"> <li>✓ Support the Government of Cabo Verde (Cape Verde) - Executive Secretariat for the Environment (SEPA in Portuguese) to implement the 3 International Conventions: Desertification / Climate Change / Biodiversity at the national level.</li> <li>✓ Support the national Consultants</li> <li>✓ Work in close collaboration with the Central Services (DGASP, INIDA, INMG, INGRH current ANAS) the Regional Delegations of the Ministry of Agriculture, Local Authorities, NGOs, Local Associations and Farmers in:</li> <li>✓ Identification of environmental problems, agriculture and livestock sector</li> <li>✓ The preparation of project files</li> <li>✓ Identification of environmental problems, agriculture and livestock sector</li> <li>✓ Elaboration des fiches de projects</li> <li>✓ The articulation between the different stakeholders and stakeholders in the agrarian and environmental sector (cited above) for the development and implementation of the identified actions.</li> <li>✓ Creation of synergy and common ground among the different beneficiaries / actors (stakeholders)</li> <li>✓ The link between the programs of the three Conventions: Biodiversity, Desertification and Climate Change</li> <li>✓ Monitoring and evaluation of the implementation of actions in the field</li> <li>✓ Organization of workshops to take stock of projects progress and the dissemination of good agriculture practices</li> <li>✓ The collection, capitalization, treatment and disclosure of lessons learned and results obtained through meetings, workshops, brochures and posters</li> </ul> |

### Professional Experiences 2

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DNA             | National Direction of Environment (DNA in portuguese) du Ministère de l'Agriculture et de l'Environnement                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dates           | November 2000 – October 2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Function        | Technicien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Responsabilités | <ul style="list-style-type: none"> <li>▪ Identification and implementation of local actions and activities to combat desertification and land degradation with the stakeholders</li> <li>▪ Monitoring and evaluation of activities and actions on field of the projects of the Rio-1992 Convention</li> <li>▪ Support the DNA to implement a National Information System on Environment (SIE)</li> <li>▪ Meetings of results socialization</li> <li>▪ Elaboration of project reports for UNEP and DNA</li> </ul> |

### Professional Experiences 3

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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | National Institute of Research and Agrarian Development (INIDA) of the Ministry of Agriculture and Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Dates                 | November 2002 – June 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function              | Researcher in Environment and Rural Development Integrated at the National Institute of Research and Agrarian Development (INIDA) in the Department of Environmental Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Responsibilities      | <ul style="list-style-type: none"> <li>▪ Responsible for the soil, erosion and land conservation research area</li> <li>▪ Scientific coordinator of the project on the Management of Natural Resources financed by the French cooperation in Praia (2004-2006)</li> <li>▪ Scientific coordinator of the project "DESIRE: www.desire-project" on land degradation and desertification, financed by the European Union (2007-2012):</li> </ul>                                                                                                                                                                                                                                         |
| Main results obtained | <ul style="list-style-type: none"> <li>- Identification of the project intervention area</li> <li>- Identification and active involvement of the various actors concerned and affected by desertification</li> <li>- Implementation of soil conservation practices</li> <li>- Organization and realization of 3 Workshops throughout the project with the effective participation of the different stakeholders of the study area project.</li> <li>- Publication of several works on the results obtained under the project <ul style="list-style-type: none"> <li>▪ Coordinator of the elaboration of Cabo Verde Desertification Map at the watershed scale</li> </ul> </li> </ul> |

### Professional Experiences 4

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|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DGASP/MAA</b> | General Direction of Agriculture, Forestry and Livestock (DGASP in Portuguese) of the Ministry of Agriculture and Environment (MAE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dates            | July 2016- February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Function         | Director of the Services of Forestry and Rural Engineering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Responsibilities | <ul style="list-style-type: none"> <li>▪ Coordinator of actions carried out nationwide in the fields of forestry and the implementation of works and soil and water conservation measures, financed by the Government of Cabo Verde, BADEA (Arab Bank for Africa Development), JICA, ADB (African Developing Bank). etc.</li> <li>▪ Coordinator of the Project "Surface Water Mobilization and Integrated Management of Hydric Resources in Cabo Verde" financed by the ADB (African Developing Bank).</li> <li>▪ Coordinator of the Program "Neutrality in Land Degradation Terms (NLD)" financially supported by the UNCCD, Global Mechanism, Luxembourg and Cabo Verde.</li> <li>▪ Coordinator of the Project "Environmental and Socioeconomic Feasibility Studies of Three Watersheds on the Island of Santo Antão" financed by the Kuwait Fund.</li> <li>▪ Coordinator of the Project "Valorization and Development of the São João Baptista Watershed on the Island of Santiago" financed by BADEA</li> <li>▪ Coordinator of the Project Execution Units at central and local level</li> <li>▪ Organization of workshops for socialization and validation of project results</li> <li>▪ Manage the audit and evaluation missions of the donors</li> <li>▪ Preparation of monthly and annual project reports submitted to national authorities and donors</li> <li>▪ Create synergies among partners involved in project implementation</li> </ul> |

### Professional Experiences 5

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| National Institute of Research and Agrarian Development (INIDA) of the Ministry of Agriculture and Environment (MAE) |                                                                                                                                                          |
| March 2019- October 2022                                                                                             |                                                                                                                                                          |
| Director of Environmental Sciences of INIDA                                                                          |                                                                                                                                                          |
| Responsibilities                                                                                                     | <ul style="list-style-type: none"> <li>▪ Coordinator of Land use land cover mapping of the islands of Cabo Verde</li> </ul>                              |
|                                                                                                                      | <ul style="list-style-type: none"> <li>▪ National Coordinator of Land Degradation Neutrality Project – Elaboration of PIF and PPG documents</li> </ul>   |
|                                                                                                                      | <ul style="list-style-type: none"> <li>▪ Coordination of Geo Spatial Laboratory of INIDA</li> </ul>                                                      |
|                                                                                                                      | <ul style="list-style-type: none"> <li>▪ Focal Point of GSP (Global Soil Partnership – FAO)</li> </ul>                                                   |
|                                                                                                                      | <ul style="list-style-type: none"> <li>▪ Focal Point of CORAF (West and Central African Council for Agricultural Research &amp; Development )</li> </ul> |

### Professional Experiences 6

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|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| National Institute of Research and Agrarian Development (INIDA) of the Ministry of Agriculture and Environment (MAE) |                                                                                                                                                          |
| Since 2022                                                                                                           |                                                                                                                                                          |
| Director of Research, Innovation & Technology                                                                        |                                                                                                                                                          |
| Responsibilities                                                                                                     | <ul style="list-style-type: none"> <li>▪ Coordination of Agriculture, Vegetal Protection and Livestock</li> </ul>                                        |
|                                                                                                                      | <ul style="list-style-type: none"> <li>▪ Coordination Environment Direction</li> </ul>                                                                   |
|                                                                                                                      | <ul style="list-style-type: none"> <li>▪ Focal Point of CORAF (West and Central African Council for Agricultural Research &amp; Development )</li> </ul> |
|                                                                                                                      | <ul style="list-style-type: none"> <li>▪ Focal Point of GSP (Global Soil Partnership – FAO)</li> </ul>                                                   |

### Competencies

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| skills and competencies | <ul style="list-style-type: none"> <li>▪ More than 20 years of professional working experience in fields of climate change (CC) : looking for strategies to improve rainfall, flash flood and other water sources for farmers and cattle raisers. Strategies to tackle land degradation and to decrease soil erosion by water and to improve water for irrigated lands in dryland areas</li> </ul> |
|                         | <ul style="list-style-type: none"> <li>▪ Organization and strengthening the capacity building of local authors (communities, women, youth, City Hall Technicians, NGOs, Association of Farmers, ...) to face desertification consequences, lack of water, loss of top soil and soil fertility decrease.</li> </ul>                                                                                 |
|                         | <ul style="list-style-type: none"> <li>▪ Supporting UN agencies (UNEP-UNSD, FAO, FAO-GEF, UNCCD) to formulate projects oriented to the climate sector: neutrality of land degradation, conservation of protected areas, reforested areas. Contribution to elaborate the National UNCCD Report (2014-2018).</li> <li>▪ Elaboration of the Nation Report of Carbon Soil Sequestration</li> </ul>     |
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| Language Skill                    |                                       |                         |                      |
|-----------------------------------|---------------------------------------|-------------------------|----------------------|
| Mother tongues                    | <b>CRIOLO &amp; OULOF</b>             |                         |                      |
| Other languages                   | <b>Portuguese, English and French</b> |                         |                      |
| Auto-evaluation                   |                                       |                         |                      |
| <i>European level (*)</i>         | Reading                               | Speaking                | Writing              |
| <b>English</b>                    | C2                                    | C1                      | C2                   |
| <b>French</b>                     | C2                                    | C2                      | C2                   |
| <b>Portuguese</b>                 | C2                                    | C2                      | C2                   |
| Common European Reference (CECR)* |                                       |                         |                      |
|                                   | <b>Basic User</b>                     | <b>Independent User</b> | <b>Advanced User</b> |
|                                   | <b>A1</b> Initial                     | <b>B1</b> Medium        | <b>C1</b> Efficace   |
|                                   | <b>A2</b> Basic                       | <b>B2</b> Acceptable    | <b>C2</b> Structured |

**Scientific  
Publications (Mean &  
Co-Author)**

1. Mapping of soil **erosion** risk in Santiago Island, 2007. In "Africa Geosciences Review"
2. Aloe Vera- Life Barriers in Cape Verde. In Book "Sustainable **Land Management** in Practice. Guidelines and Best Practices for Sub-Saharan Africa, 2008. Edited by TerrAfrica. Préparé par WOCAT et Coordonné par FAO "
3. Efficiency of overland and **erosion** mitigation techniques at Ribeira Seca, Santiago Island, Cape Verde, 2012. In the Book "Overland Flow and Surface Runoff in Hydrological Science and Engineering-  
www.novapublishers.com"
4. Aloe Vera- Living Barriers, 2009. In the Book "DESIRE for Greener Land-Options for Sustainable **Land Management** in Drylands by WOCAT"
5. Afforestation in Cape Verde, 2010. In "DESIRE for Greener Land-Options for Sustainable **Land Management** in Drylands by WOCAT"
6. Training Information and Awareness. 2012 in the Book "DESIRE for Greener Land-Options for Sustainable **Land Management** in Drylands by WOCAT"
7. Water **Erosion and land Degradation** in Cape Verde, 2009. In the Book CABO VERDE: Análise Socio ambiental e Perspectivas para o Desenvolvimento Sustentável em Áreas Semiáridas.
8. Assessment and Mapping of **Desertification** Sensitivity in an Insular Sahelian Mountain Region \_ Case study of Ribeira Seca Watershed, Cape Verde (Poster presented in the "European Geosciences Union - Vienne in 2012"
9. Appraising and selecting strategies to combat and mitigate **Desertification** based on stakeholder knowledge and global Best practices in Cape Verde Archipelago. REVIEW: Land Degradation & Development. Land Degrad. Develop. 25: 45-57 (2014). Published online in Wiley Online Library (wileyonlinelibrary.com) DOI: 10.1002/ldr.2273
10. Selecting best mapping strategies for storm **runoff** modeling in a mountainous semi-arid area. EARTH SURFACE PROCESSES AND LANDFORMS. Earth Surf. Process. Landforms 39, 1030-1048 (2014). (wileyonlinelibrary.com) DOI: 10.1002/esp.3501.
11. Assessment and mapping the sensitive area to **desertification** in an insular sahelian mountain region- Case study of the Ribeira Seca Watershed of Cape Verde, 2015. REVIEW: Catena
12. Watershed Management Technologies to Boost the Resilience of Cape Verde to Climate Change and to Mitigate the Effects of **Desertification**. FAO, 2016. Nature & Fauna - Volume 30, Issue No. 1. SUSTAINABLE SOIL MANAGEMENT: Keys to food security and nutrition in Africa. Editor: Foday Bojang - Deputy Editor: Ada Ndeso-Atanga - FAO Regional Office for Africa. nature-faune@fao.org <http://www.fao.org/africa/resources/nature-faune/en/> FAO ISSN 2026 - 5611. Country focus: Republic of Cabo Verde. Pp: 56-61.
13. **Reforestation** as a strategy in the restoration of shallow soils and recharge of groundwater in Cabo Verde. Nature & Fauna - Volume 30, Issue No. 2. Sustainable management of forests and wildlife in Africa: Enhancing value, benefits and services. Editor: Foday Bojang, Deputy Editor: Ada Ndeso-Atanga. FAO Regional Office for Africa. nature-faune@fao.org <http://www.fao.org/africa/resources/nature-faune/en/> FAO ISSN 2026 - 5611. Pp: 56-61.
14. **Sustainable agriculture and soil and water conservation** in Natural Parks of Santo Antão and São Vicente Islands (Park of Morroços, Cova/Paul/Ribeira da Torre and Monte Verde in Santo Antão and Monte Verde in São Vicente) -Volume I
15. **Diagnostic of the soil conservation situation in the Natural Parks of Santo Antão and São Vicente Islands** (Park of Morroços, Cova/Paul/Ribeira da Torre and Monte Verde in Santo Antão and Monte Verde in São Vicente) -Volume II