

日本—アフリカ 国際共同研究「環境科学」 2022 年度 年次報告書	
<b>研究課題名（和文）</b>	西アフリカにおける食と生計のレジリエンス向上のための未 利用植物種に関する研究
<b>研究課題名（英文）</b>	Food and Livelihood Resilience from Neglected and Underutilized Plant Species in Western Africa
<b>日本側研究代表者氏名</b>	ガスパトス・アレクサンドロス
<b>所属・役職</b>	東京大学 未来ビジョン研究センター・ 准教授
<b>研究期間</b>	2021 年 4 月 1 日～ 2024 年 3 月 31 日

## 1. 日本側の研究実施体制

氏名	所属機関・部局・役職	役割
ガスパトス・ アレクサンドロ ス Alexandros Gasparatos	東京大学・未来ビジョン研究セ ンター・准教授	Lead Task 1.2, 3.1, 3.2 and 5.1 Contribute to Task 1.3, 2.2, and 4.1
飯山 みゆき Miyuki Iiyama	国際農林水産業研究センター・ 情報セグメント・プログラムデ ィレクター	Contribute to Task 1.2, 1.3, 2.2, 3.1, 3.2, 4.1 and 5.1
ヤゼムブスキ・ マルチンパベル Marcin Jarzebski	東京大学・東京カレッジ・助 教授	Contribute to Task 1.2, 1.3, 3.1, 3.2, 4.1, and 5.1
工藤 尚悟 Shogo Kudo	国際教養大学・国際教養学部・ 准教授	Contribute to Task 1.2, 1.3 and 5.1
エリック・ドン プレ Eric Dompereh	東京大学・未来ビジョン研究セ ンター・特任助教	Contribute to Task 1.2, 1.3, 3.1, 3.2, and 5.1

王 泉力 Quanli Wang	東京大学大学院・新領域創成科学研究科 サステナビリティ学グローバルリーダー養成大学院プログラム・博士課程学生	Contribute to Task 1.2, 1.3,
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## 2. 日本側研究チームの研究目標及び計画概要

Key responsibilities for FY2022 for the Japanese team are to:

- Finish the systematic review of the socioeconomic impacts of neglected and underutilised plant species (NUS) in Sub-Saharan Africa (related to **Task 1.2**, Lead University of Tokyo)
- Contribute insights and information collected through **Task 1.2** to finish the development of the conceptual framework that illustrates how NUS can enhance resilience to socioeconomic and environmental change (related to **Task 1.3**, Lead University of Pretoria)
- Finish the development of the study protocol to collect primary quantitative and qualitative data regarding the adoption and impact of NUS (related to **Task 3.1**, Lead University of Tokyo)
- Undertake data collection in the two study countries (related to **Task 3.2**, Lead University of Tokyo)
- Start the analysis of the data collected in the two study countries (related to **Task 3.2**, Lead University of Tokyo)
- Contribute insights from **Task 1.2** and **WP3** for mapping the value chain of the study NUS, and analyse potential market options (related to **Task 4.1**, Lead University of Pretoria)
- Update the dissemination strategy (as and if needed) to maximize the impact of the project findings and deliverables (related to **Task 5.1**, Lead University of Tokyo)

## 3. 日本側研究チームの実施概要

During FY2022 the Japanese team finalized the development of the conceptual framework linking Neglected and Underutilized plant Species (NUS) with resilience (Task 1.3) and adapted it for the development of the household survey that seeks to capture the adoption and impacts of NUS (Task 3.1). Furthermore, the Japanese team designed the protocol for a systematic review about the socioeconomic impacts of NUS, identified the literature and started the meta-data extraction (Task 1.2). The Japanese team also finalized the design of the data collection mechanisms for household surveys and Focus Groups Discussions that seek to understand the adoption, utilization and socioeconomic impacts of NUS (Task 3.1), as well as the experimental design for the sampling of the study households (Task 3.2). It was decided that data collection for Task 3.2 will take place in the late spring and summer of FY2023 that marks the low rainfall and high food insecurity period in Senegal and Burkina Faso, which will enable for a better understanding of

the adoption dynamics of NUS among households, their utilization, and their impacts on food security, livelihoods and adaptation to climate change.