



Enhancing training and research mobility for novel crops breeding in Africa / MoBreed

Project Presentation



MoBreed (Mobility for Breeders in Africa) is an initiative of five public universities from three African regions and one university in Europe to advance knowledge on useful crops of Africa and increase scholars' capacity in addressing food security. Partners include the University of Abomey-Calavi in Benin and Ebonyi State University in Nigeria (West Africa), Jimma University Ethiopia (Eastern Africa), the University of Namibia and the University of KwaZulu Natal in South Africa (Southern Africa) and Montpellier SupAgro in France. MoBreed is funded by the Intra-Africa Program of the Education, Audiovisual and Culture Executive Agency (EACEA) of the European Commission.

Project Activities

Our research focus on neglected and underutilized crops in Africa, specifically food crops such as fruits, vegetables, legumes, nuts, root and tubers, and cereals. Project activities include:

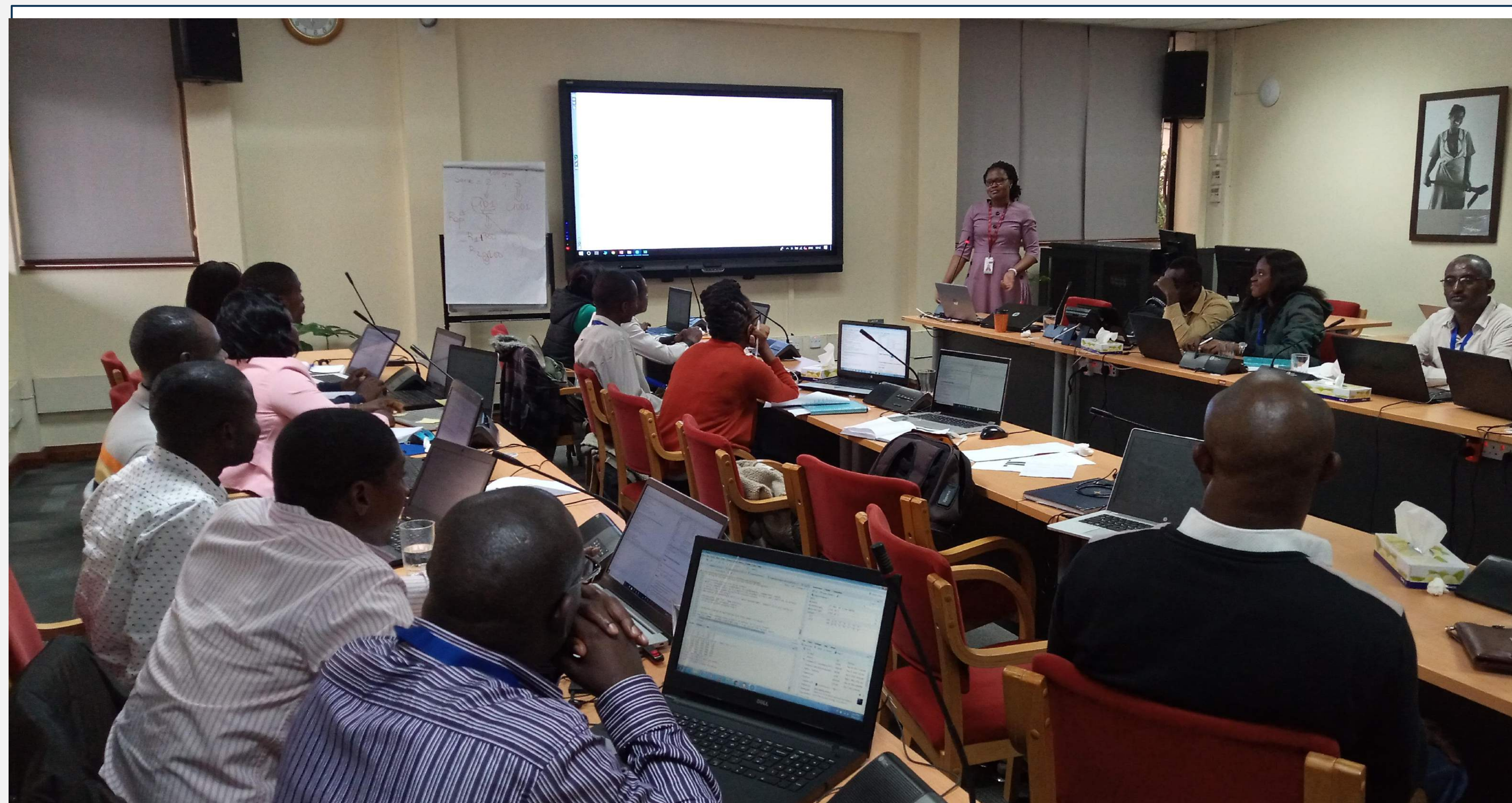
- training of 9 PhD students in Genomics and Plant breeding;
- capacity building of MSc students in plant breeding research;
- curriculum harmonization, intra-Africa mobility organization for increased integration, learning and sharing;
- Genotyping by Sequencing of orphan crops including Miracle berry, Spider plant, Bambara groundnut, Fonio, Yam bean, Taro, and Kersting's groundnut.

Project Results

- 9 high profile plant breeders (PhD holders) being trained to address current and future challenges related to climate change and agriculture with focus on at least 10 promising underutilized plant species of Africa.
- 20 MSc students trained with strong capacity to increase knowledge and prospects on the selected orphan crops used in Africa for food and nutrition security and the crop production and seed industry,
- Curriculum in five consortium universities harmonized to integrate research agenda on the use of neglected and underutilized crops to increase resilience of food production systems.

Sustainability & Synergies

- Attraction various partnerships including with the African Orphan Consortium and with BecA-ILRI.
- Partnership with GENES intra-Africa program for joint research implementation.
- Partnership with the Orange-fleshed sweet potato project of the African Union at the University of Parakou, Benin.
- Connection of students and consortium members to the African Plant Breeders Association.



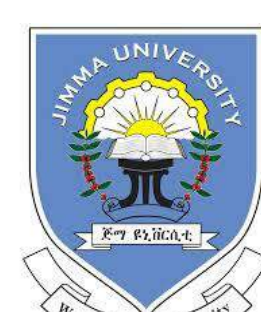
Training of MoBreed students at the BecA-ILRI on Bioinformatics and hands-on wet laboratory manipulations by the Integrated Genotyping Service and Supports (IGSS) in Nairobi, Kenya

Information

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IMPLEMENTING PARTNERS



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