



BUILDING CAPACITY IN PLANT DISEASE DIAGNOSIS AND DISEASE MANAGEMENT

Hien Phan, My Chu, Len Tesoriero



This project provides the NIMM plant pathology team an opportunity to build their capacity in plant disease diagnosis and disease management with an experienced senior plant pathologist, Dr. Len Tesoriero.



Dr. Len Tesoriero and the NIMM plant pathology team

Diagnosing diseases on vegetables

A whole process of field and laboratory diagnostic procedures was implemented by Len and the team during his visits to Vietnam, which included: (1) Field survey and sampling; (2) Isolation of pathogens; (3) Identification of pathogens.

(1) Field survey and sampling



(2) Isolation of pathogens



Isolating fungal pathogens in a 'hotel laboratory'



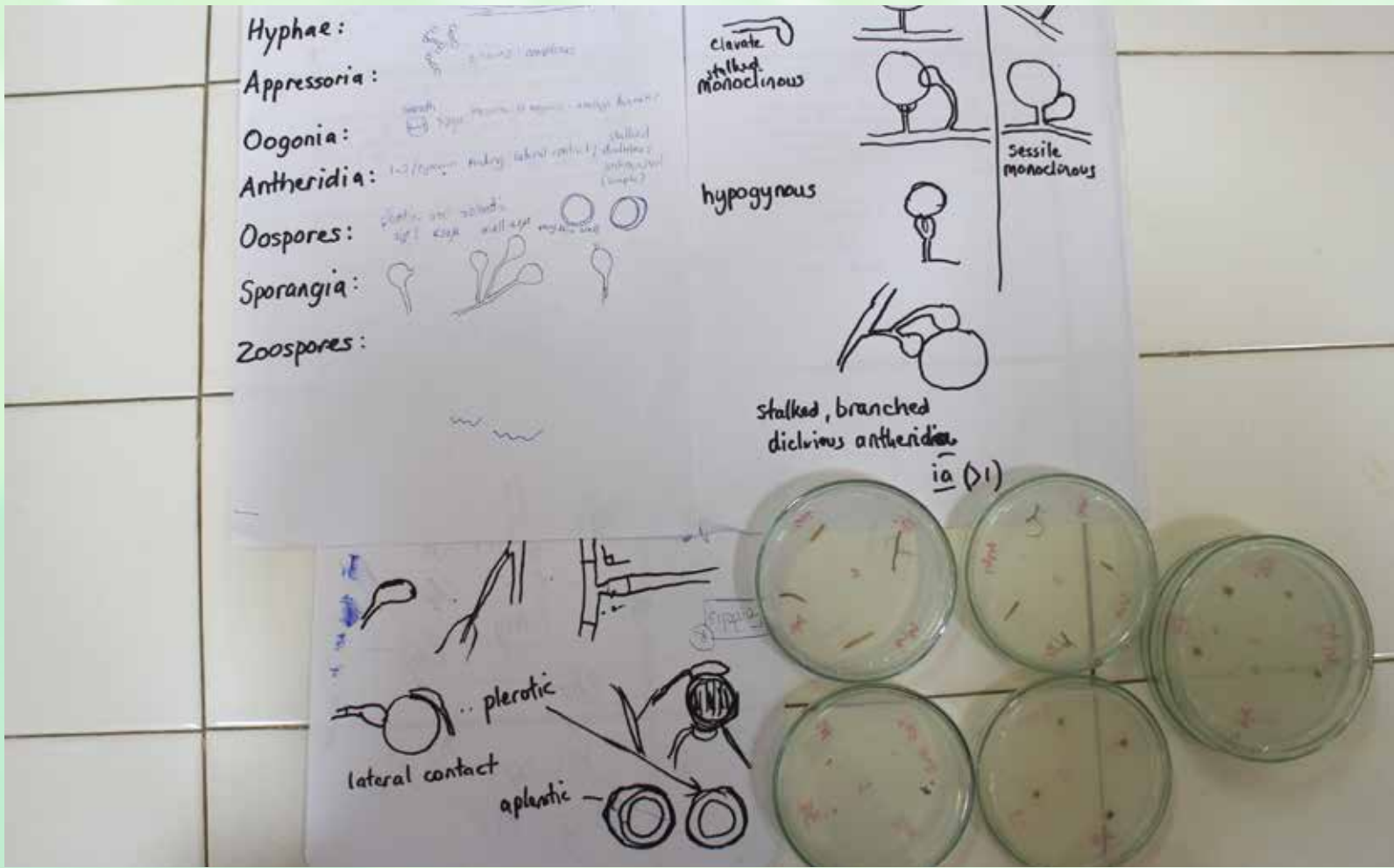
Examining fungal cultures in NIMM laboratory

(3) Identification of pathogens - microscopic study of key morphological characters

Demonstrate laboratory skills in diagnostic plant pathology using basic pathogen isolation and light microscopy.



Dr. Len Tesoriero and plant pathology team in NIMM diagnostic laboratory



Morphological taxonomy for *Pythium* spp. identification

Designing and implementing field trials for cabbage club root control

Guided the establishment of a field experiment in Sa Pa to determine the efficacy of treatments to control club root.



Soil pH test for potential cabbage club root trial sites



Setting up a field trial for control of cabbage club root