



Mission to Indonesia and Training of Trainers (ToT) workshop on potatoes, Lembang - 5-12 October 2013

Short report

Participants: Huub Schepers, Bert Lotz, Joost van der Burg
The journey was partly financed through BO-27.03-001-006 (Min. EZ)
For the itinerary see the appendix.

Goal

Visit relevant stakeholders and give a training of trainers workshop.

Visits

Indofood

Meeting with Mr Budi Dharmadi, Manager Corporate Procurement & Engineering Division; Mr Suryanto Lim, Manager Agro division; Mr Ivan Halim; and a lady. Explanation about the activities of PisAGRO, which includes a project on the production of seed potatoes and GAP in order to ascertain a steady inflow of potatoes for the factory. A second project to improve the skills of small seed growers. Collaboration with Syngenta Foundation on these matters. Currently activities to produce minitubers in a screen house. Production in 'virgin areas' as can be found on Flores and in West Nusa Tenggara. Collaboration with Padjajaran University (UNPAD), Bandung. Discussion about the collaboration in the framework of vegIMPACT, such as the registration of varieties, the application for PBR (PVT), import of another series of potato varieties for adaptation tests and the import and testing on a semi-industrial scale of potatoes for chips. Indofood would like to be directly involved in the field tests.

Royal Dutch Embassy

Meeting with Mr Aditya Kusuma, Policy Advisor to the Counsellor. Reporting on our progress in vegIMPACT and explanation of the purpose of the training workshop. A short report on the outcome of the Study Tour by Indonesian researchers and officials to the Netherlands in July this year. Joost to send the agreed minutes to Mr Kusuma. Mr Kusuma mentioned the Food & Business Applied Research Fund (ARF), of which he will send some documentation to us. He also gave an update on the activities in the other projects under the Embassy Food Security Programme.

Ministry of Agriculture

Meeting with Mrs Ir. Sriwijayanti Yusuf, Director of Horticulture Seeds.

Mrs Yanti gave an explanation of the seed system in Indonesia and the efforts made by the government to improve the situation, e.g. by giving screen houses to farmers to produce mini tubers from plantlets, including proper instruction. She also mentioned that a proposal is under preparation to limit the generations of seed potatoes to G2; which will then be the only generation to be produced in the open field.

Mr Yanti indicated the great need to have varieties with heat tolerance: due to the changing climate, the weather is getting hotter. And in order to protect the highlands as well as to enable to increase the potential area for growing potatoes, heat tolerant, not drought tolerant, varieties will be essential.

We informed Mrs Yanti about our project activities, the purpose of the training and the plans for the immediate future regarding the introduction of new varieties.

Training of trainers workshop

The workshop was attended by 24 participants (including the lecturers), of which the majority from Balitsa, 2 from PT Indofood and 2 from PT East West Indonesia. See programme and list of participants in the annexes.

The workshop was characterised by intensive and interesting exchange of ideas with a keen learning audience.

The workshop was hosted by Balitsa, and organised by Dr Nicky Gunadi.

The main lecturer, Mr Romke Wustman could not attend due to an unfortunate accident, but we were lucky that mr Huub Schepers could stand in for him, which he did excellently.

The main conclusions of the workshop were:

- A preliminary analysis of the farmer's survey showed that a large proportion of them, especially those in Garut, were unable to make a profit by growing potatoes. This was a very shocking conclusion. The data will be verified further during a visit by a team of researchers to the areas during the following days.
- Possible reasons for this were low quality seed potatoes, necessitating the farmers to cut, resulting in poor crops.
- Possibly ineffective foliar fertilisation and excessive spraying made the costs very high on the input side.
- The major disease is Late Blight (LB), *Phytophthora infestans*. In the country no varieties are available with good resistance to LB, nor are there many available in the World. The optimum control strategy for LB in Indonesia needs to be established.
- Nutrient management needs to be based on knowledge of the nutrient status of the fields: labs should offer routine testing facilities with fertilisation advice.
- The nutrient content of manure used in Indonesia needs to be established.
- The optimum fertilisation for potato and seed potato crops must be established.
- The loss in quality of seed potatoes due to unfavourable storage conditions is a major factor reducing the quality of the crop and hence the income of the farmer.
- The losses in quality of potatoes for processing, which often have to be stored for a relatively long period, are excessive.

- Advice given to facilitate farmers in GAP needs to be based on specific Indonesian data. Such advices can not be translated one to one from Dutch advice to farmers.

Itinerary VegIMPACT-BOCI ToT 2013

Huub Schepers, Bert Lotz and Joost van der Burg

Sunday 6 October	Arrival by KL809 17:20, hotel Grandkemang
Monday 7 October	09:00 Visit Indofood, Mr Budi Dharmadi & colleagues 10:30 Visit Mr Jean Rummenie, Agricultural Counsellor 14:00 Visit Mrs Sri Wijayanti Yusuf, Director of Horticulture Seeds 15:30 Travel to Lembang, hotel Puteri Gunung
Tuesday 8 October	Day 1 of Training of Trainers Workshop
Wednesday 9 October	Day 2 of Training of Trainers Workshop
Thursday 10 October	08:00 Bert and Joost travel via Punjak to Bogor, continue end afternoon to Jakarta, hotel Grandkemang Huub stays in Lembang for farmers training
Friday 11 October	08:30 Visit to office of Fresh Dynamics 11:00 Bert and Joost return via North Jakarta to airport. KL810, departure 18:50

Programme for a Potato Training of Trainers workshop at IVEGRI (Lembang)

Scheduled dates Tuesday 8 & Wednesday 9 October 2013

Location IVEGRI, Lembang

	Topic	Presenter
Tuesday 8 October		
10.00	Opening	Director IVEGRI
10.15	Introductory round	everybody
10.30	vegIMPACT potato project	Joost van der Burg
10.45	Break	
11.00	Seed potato concepts	Huub Schepers
11.45	Seed quality: bacterial wilt	Huub Schepers
12.15	Lunch break	
13.00	Preliminary results of agronomics of a potato processing variety	Nikardi Gunadi
13.30	Late blight control strategies	Huub Schepers
15.00	Discussion	Bert Lotz
15.15	End	
Wednesday 9 October		
09.00	Nutrient management	Huub Schepers
09.45	Visit to a potato field	Huub Schepers/ Nikardi Gunadi
10.15	Break	
10.45	Storage	Huub Schepers
11.15	Evaluation of two cycles of potato variety testing	Joost van der Burg
11.45	Processing potato supply chain: meet the specifications	Discussion
12.00	Lunch break	
12.45	Video on potato late blight	
13.30	Conclusions	Bert Lotz
14.00	Closure	

List of attendants

Balitsa:

Dr. Witono Adiyoga
Dr. Nikardi Gunadi
Dr. Ali Asgar
Dr. Darkam Musaddad
Imam Firmansyah, SP
Dr. Eri Sofiari
Ir. Asih Kartasih Karjadi
Kusmana, SP
Juniarti Prihatini, SP
Tri Handayani, SP, MP
Dr. Laksminiwati Prabaningrum
Dra. Euis Gunaeni
Abdi Hidayya, SP
Mastur, SP
Hadis Jayanti, SP, MP

Oji Setiaji
Uka Komara
Gina Alya Sopha

Ewindo:

Khamidah
Hariyadi Setiawan

Indofood:

Suranto
Ayep Rohman

PPO/PRI

Dr. Huub Schepers
Dr. Bert Lotz
Ir. Joost van der Burg