



<b>Algemene gegevens</b>	
PPS-nummer	AF12030
Titel	Potato Gap China
Topsector en innovatiethema	AF 11 Internationaal
Projectleider (onderzoek)	Corné Kempenaar (Wageningen UR)
PPS-coördinator (namens private partij)	Harm Brinks (DLV Plant), is opvolger Gerard Wassink
Contactpersoon overheid	Martin Oldemonnikhof (landbouwraad Peking), Pieter Vaandrager
Status (lopend of afgerond)	Lopend
Type onderzoek (F, T of V)	Toegepast (industrieel)
Werkelijke startdatum	1 januari 2013
Werkelijke einddatum	31 december 2016
Korte omschrijving inhoud	Dit topsectorproject richt zich op ontwikkeling van kennis ter stimulering van export van Nederlandse technologie en know-how en verduurzaming van de teelt en bewaring van aardappelen in China.

<b>Highlights</b>
<p>De PPS voert onderzoek uit in China aan een vijftal onderwerpen: (1) beheersing van de aardappelziekte in China met NL kennis en technologie, (2) kwaliteit van uitgangsmateriaal, (3) verbetering gewasmanagement aardappel in China, (4) bewaaraspecten aardappelen, en (5) kennisoverdracht.</p> <p>Op de onderdelen 1, 2 en 3 zijn twee demonstratievelden aangelegd in de provincie Heilongjiang in China onder begeleiding van de PPS partners. Aanvullend zijn ondersteunden proefvelden aangelegd. In juli 2015 is een Sino-EU/Dutch aardappel workshop georganiseerd in Harbin, Heilongjiang, alwaar de resultaten van de demonstratievelden en mogelijkheden voor duurzame aardappelteelt getoond werden aan ca 300 deelnemers. De voortgang is gerapporteerd in de proceedings van de conferentie op een Chinese en Nederlandse website. Er zijn contacten gelegd met aardappelbedrijven en -onderzoeksgroepen in Hebei, Inner Mongolia en Yunnan.</p>

## Opgeleverde producten

### Missions, symposia, contacts:

Five international missions of potato experts from the Netherlands to China, and vice versa, took place. And two students stayed for 3 months in China to support demonstration trials.

1. Visit to HAAS institute, McCain company and Yaas institute, 29 March –5 April 2015. Workshop on development of protocol for demonstration fields and set up GAP workshop. From DLO-side Anton Haverkort & Corné Kempenaar.
2. Visit to HAAS institute, 12 – 16 May 2015. Workshop on development of protocol for field trials. From DLO-side Romke Wustman.
3. Student internship's at HAAS, May to July 2015. Maarten Tenkink and Henk Mantingh, to support demonstration trials.
4. A workshop on the GAP project, 22 – 24 July 2015 in Harbin. Representatives of Dutch Potato GAP China PPS, HAAS, SIATIP, others. From DLO-side Piet Boonekamp, Anton Haverkort, Corné Kempenaar, Yu Tong Qiu. 300 attendees.
5. World Potato Conference 2015, 28 – 30 July. Presentation on Good Agricultural Practice potato production by Anton Haverkort (500 attendees), and interaction with NAFTC DPC China members (10 attendees).
6. Visit of HAAS to NL, Dianqiu Lyu, 8 – 10 September 2015. Contacts with NAK and potato breeding companies.
7. Visit of HAAS to NL, Shuming Wang, 10 December 2015 – June 2016. To be trained in GAP.

### Presentations:

- Boonekamp, P.M., 2015. IPM 2.0: Diagnostics, late blight control, Durph breeding and disease monitoring. Presentation held by PRI at China-Europe Workshop on Potato Sustainable production and technical Cooperation (CE-WPSP), Harbin, 22-24 July 2015.
- Haverkort, A.J., 2015. Seed potato production and certification. Presentation held by PRI at China-Europe Workshop on Potato Sustainable production and technical Cooperation (CE-WPSP), Harbin, 22-24 July 2015.
- Haverkort, A.J., 2015. Resource use efficiency of potato production in China. Presentation held by PRI at China-Europe Workshop on Potato Sustainable production and technical Cooperation (CE-WPSP), Harbin, 22-24 July 2015.
- Haverkort, A.J., 2015. Public Private Partnerships in Potato Variety Development. Presentation held by PRI at World Potato Conference 2015 (WPC), Harbin, 28 - 30 July 2015.
- Kempenaar, C., 2015. Progress report PPP Potato GAP China. Presentation held at progress meeting of PPP, 12 January 2015, at PRI, Wageningen.
- Kempenaar, C., 2015. Progress report PPP Potato GAP China. Presentation held at progress meeting of PPP, 2 November 2015, at PRI, Wageningen.
- Haverkort, A.J., & Kempenaar, C. 2015. Developments in sustainable potato production. Presentations at HAAS and YAAS, 29 March – 5 April 2015, at Harbin and Kunming.
- Wustman, R2015. Progress in Potato GAP project. Presentation at HAAS, 14 May 2015, meeting in Harbin.
- Kempenaar, C. & Weening, K., 2015. Dutch potato business: production figures, prices, costs and innovations. Presentation held by NAO and PRI at China-Europe Workshop on Potato Sustainable production and technical Cooperation (CE-WPSP), Harbin, 22-24 July 2015.
- Kempenaar, C., 2015. The Sino-Dutch Potato GAP project. Presentation held by PRI at China-Europe Workshop on Potato Sustainable production and technical Cooperation (CE-WPSP), Harbin, 22-24 July 2015.

Wang, K., 2015. Crop protection stewardship, focus on potato. Presentation held by Syngenta at China-Europe Workshop on Potato Sustainable production and technical Cooperation (CE-WPSP), Harbin, 22-24 July 2015.

Zhang, X., 2015. Towards minimization of potato yield losses with modern technology. Presentation held by APH at China-Europe Workshop on Potato Sustainable production and technical Cooperation (CE-WPSP), Harbin, 22-24 July 2015.

### **Publications:**

Boex, H., 2015. Chinezen zijn de nieuwe aardappeleters. AD 23 feb. 2015: p. 5.

Garschagen, O., 2015. Chinezen moeten aan de aardappel, al is het met lange tanden. NRC, ge februari 2015.

Kempenaar, C., 2015. Werkplan Potato GAP in China project, 2015. Project TKI-AF-12030. Penvoerder B. Schoenmaker, DLV Plant, namens APH Groep, Dacom, Syngenta en WUR-PRI.

Kempenaar, C., et al, 2015 Progress Report Topsector project China Potato GAP. Report 608. Plant Research International, Wageningen.

Lyu, D., Wan, S., Zhenyu, L. & Kempenaar, C. 2015. Handbook of China-Europe Workshop on Potato Sustainable production and technical Cooperation (CE-WPSP), Harbin, 22-24 July 2015. 20 pp.

*Nederlands artikelen op websites:*

<http://www.wageningenur.nl/nl/nieuws/Chinees-Nederlandse-samenwerking-ter-verbetering-van-de-aardappelproductie-in-China.htm>

<http://www.wageningenur.nl/nl/Expertises-Dienstverlening/Onderzoeksinstituten/plant-research-international/show/Chinees-Nederlandse-samenwerking-ter-verbetering-van-de-aardappelproductie-in-China.htm>

<http://www.wageningenur.nl/nl/project/Potato-GAP-China-AF12030.htm> (Kennisonline)

<http://www.wageningenur.nl/nl/show/Aardappelworkshop-in-Harbin-krijgt-vervolg.htm>

<http://www.wageningenur.nl/nl/project/Nederlandse-technologie-en-knowhow-voor-duurzame-aardappelteelt-en-opslag-in-China.htm>

*Chinees artikel op website:*

[http://www.gjmlslm.com/en\\_mlsdh/&i=10&comContentId=10.html](http://www.gjmlslm.com/en_mlsdh/&i=10&comContentId=10.html)