



CABI in Asia-Pacific Partnerships and action

Dr Babar Bajwa, Regional Director, CABI Central & West Asia

Member Countries Regional Consultation: Asia Pacific

16-19 October 2018, Beijing, China

Regional Heads



Dr Feng Zhang
Regional Director
CABI
East Asia



Dr Sivapragasm Annamalai
Regional Director
CABI
South East Asia



Mr Gopi Ramasamy
Regional Director
CABI
South Asia



Dr Babar E Bajwa
Regional Director
CABI
Central & West Asia

Membership: 15 member countries in Asia-Pacific region



Afghanistan



Australia



Bangladesh



Brunei Darussalam



China



India



DPR Korea



Malaysia



Myanmar



Pakistan



Papua New Guinea



Philippines



Solomon Islands



Sri Lanka



Vietnam

Countries we are working in:

- Afghanistan**
- Australia**
- Bangladesh**
- Brunei Darussalam**
- Cambodia**
- China**
- DPR Korea**
- Fiji**
- India**
- Indonesia**
- Laos**
- Malaysia**
- Myanmar**
- Nepal**
- Pakistan**
- Papua New Guinea**
- Singapore**
- Solomon Islands**
- Sri Lanka**
- Thailand**
- Vietnam**

Indian Ocean

Pacific Ocean

Key partnerships in the region

All national implementing agencies of our member countries in Asia-Pacific.



Ministry of Agriculture and Rural Affairs (MARA)
People's Republic of China



RESEARCH PROGRAM ON
Climate Change,
Agriculture and
Food Security



Our areas of focus in Asia-Pacific

**Trade &
Commodities**

**Action on
Invasive**

**Development,
Communication
& Extension**

Plantwise

**Microbial and
Molecular
Services**

CABI Medium Term Strategy (2017-2019)



Improve livelihoods by helping farmers to trade more

- I. ICTs, farm advisory
- II. Market access along value chains
- III. Climate smart interventions



Increase food and nutrition security by bringing science from the lab to the field

- I. Strengthening PHS
- II. Food safety



Put know-how into people's hands

- I. Using CABI products (eg Horticulture compendium, CPC)



Enhance sustainability and climate resilience of farming systems

- I. Enhanced farm advisory
- II. HVA promotion



Strengthen capacity for innovation and governance at local, national and regional levels

- I. Build regional capacity in innovation
- II. Create farmer-organisations
- III. Promote private partnerships



CABI is committed to playing its role in achieving the Sustainable Development Goals and improving people's lives by applying scientific research for development (R4D)

Building plant health systems – Plantwise

10 partnerships
since 2016

Male & female
Plant Clinics

WeChat
Group –
China

WhatsApp
Group –
Pakistan

Country	Total plant doctors trained	Total plant clinics established	Total clinic queries	
			Male	Female
Afghanistan	164	413	19489	338
Bangladesh	39	83	6310	746
Cambodia	30	74	6343	3716
China	109	336	0	0
India	82	131	16966	2439
Myanmar	28	79	4968	1322
Nepal	124	163	3282	2579
Pakistan	906	1720	149044	507
Sri Lanka	783	1437	11904	5243
Thailand	12	33	469	411
Vietnam	36	114	2720	2447
Total	2313	4583	221495	19748

Action on Invasives

Target invasive species

Parthenium histerophorus

Tuta absoluta

Capacity building

Govt. officials –
429

Farmers -
10011

Awareness campaigns

Leaflets:
30000

Brochures:
15000

Blogs: **2**

PSMs on
air

R&D

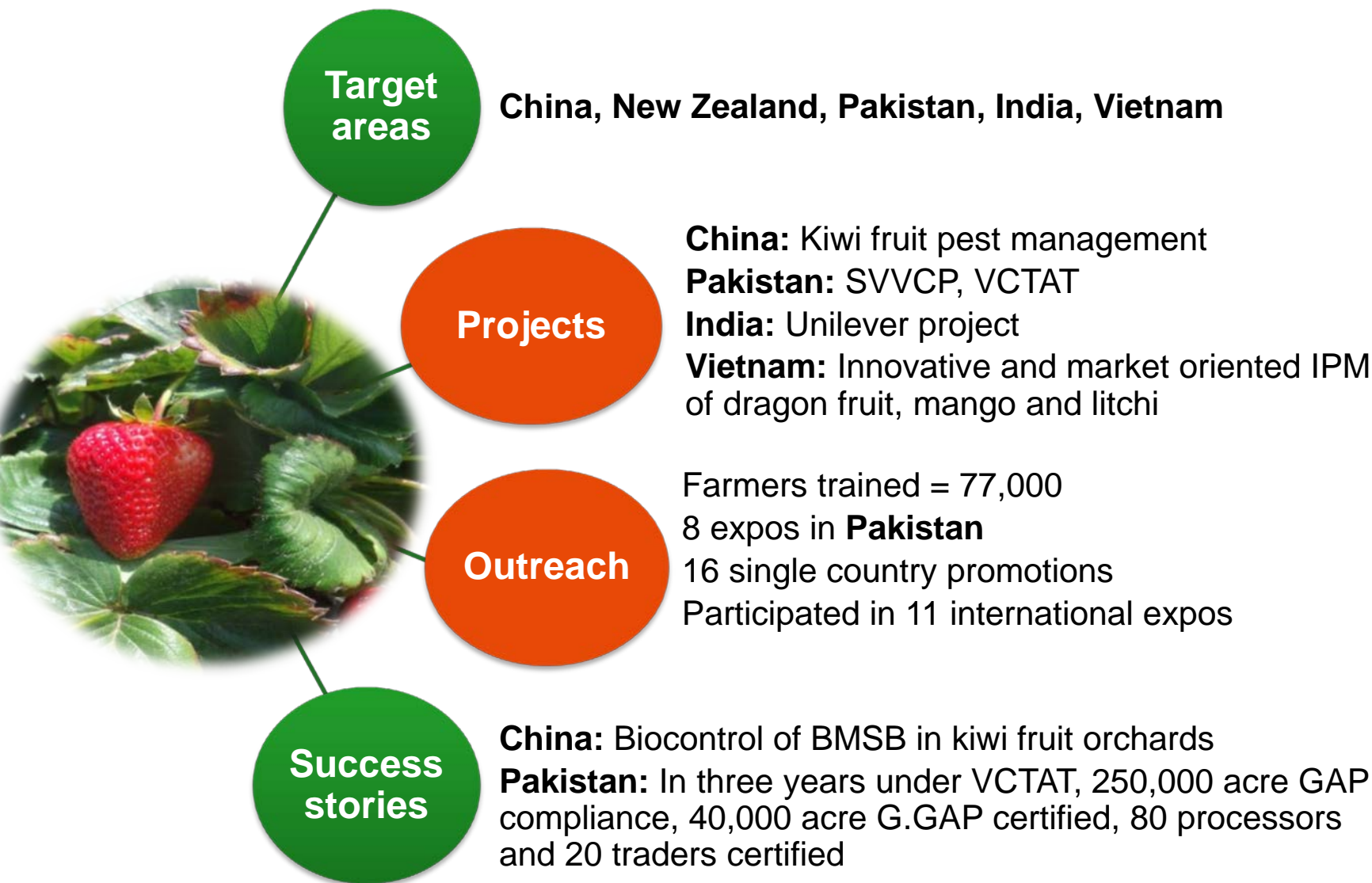
Biological control of
Parthenium histerophorus
and
Quarantine facility in
Pakistan

Impact on community

1 million
households reached in
Sheikhupura and
Islamabad



Horticulture value chain development



Horticulture value chain development



Horticulture value chain development



Trade and Market Access

Targeted commodities

Rice
Maize
Citrus
Mango
Potato
Onion
Chilies
Dates

Capacity building

China: 30 enumerators trained;
Capacity building in SPS to establish ASIAN regional network

Pakistan: 300 Public and Private sector

Market linkage

China: 222 farmers surveyed

Pakistan: 77,000 farmers facilitated to link with market

Impact

Biocontrol based rice and maize Integrated Pest Management

Post harvest management

Improve quality of products

Global GAP

IFS & BRC

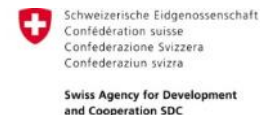
Managing quarantine pests

Partnerships

China: IPP, ALL, ACIAR-CAAS, Dehong PPQS, Xiang'an PPS, PPD-LA, PPC-MM

Pakistan: Metro Cash and Carry; All Pakistan fruit & Vegetable merchant exporters associations; Rice exporter association

Success stories



- **China:** Biocontrol research at MARA-CABI Joint Laboratory
- **Pakistan:** Launch of Aol and ACIAR funded “Strengthening Vegetable Value Chain in Pakistan”

Action on Invasives
& Value Chain
collaborative research

- **China:** Contribute to national Agriculture Development and for Zero Pesticide strategy
- **Pakistan:** E-clinics and digitalisation of data enquired from farmers
- Plantwise is being executed in all provinces of Pakistan with active involvement of government
- 1720 plant clinics established

Plantwise

Success stories



- **China:** Biocontrol of mirid bugs with parasitoids in China
- **Pakistan:** Overcoming cotton insect/pests through NEFR technology
- Reaping a better crop without the use of pesticides

**Better Cotton Initiative
Project (BCI)**

- **Pakistan:** Empowering marginalised communities
- PRA & SPS standardisation to promote trade
- Strengthening national agriculture system on biological control of pests of concerns

**Phytosanitary Risk
Management Program
(PRMP)**

An example of successful technology transfer: use of **beneficial insects** in **rice** and **maize IPM**



CABI
Switzerland
Malaysia
China

Department of
Agriculture, Ministry of
Agriculture, Livestock
and Irrigation,
Myanmar

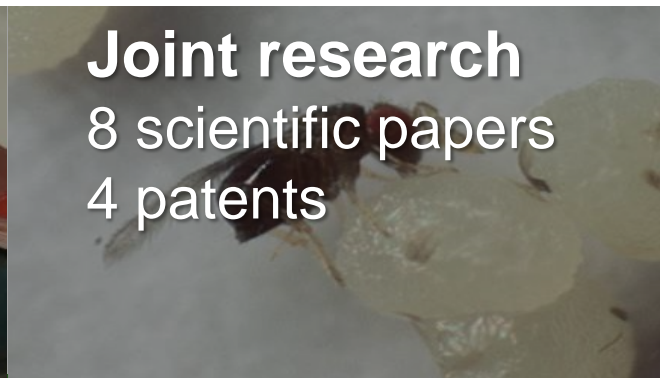
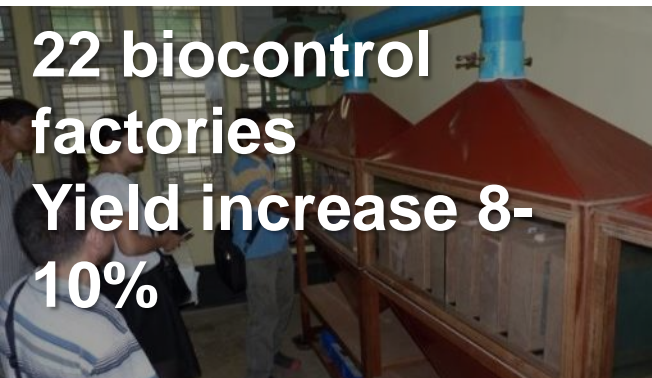


IPP-CAAS;
Xing'an County Plant
Protection Station, Guangxi;
Dehong Prefecture Plant
Protection and Quarantine
Station, Yunnan,

Department of
Agriculture, Ministry of
Agriculture and
Forestry,
Laos



Dryland Farming Institute,
Hengshui, China;
China



Mobile initiatives in South Asia

- CABI along with IFPRI developed, implemented and evaluated an innovative advisory service that complements “picture-based insurance” (PBI), providing easy-to-understand low-cost insurance coverage for visible crop damage during Rabi 2017-2018 season in Haryana, India
- CABI associated with Vodafone’s KisanMitr Service as a major partner, offering mobile-ready digital content covering all the knowledge domains for major crops (rice, maize and sugarcane) for a three month pilot. There were ~16,286 previews of videos in three months from 10 states of India
- CABI, in association with Department of Agriculture, Sri Lanka, has partnered with Dialog Axiata and currently disseminating crop advisory on 15 plus crops in regional language through mAgri service named GoviMithuru. The service presently has over 300,000 users

Going forward in Asia-Pacific



Operational level:

- Enhance **cross-centre collaboration**
- Utilise the existing collaboration platforms, eg **Joint Lab** (China, Malaysia, India)
- Adopt **value chain** approach, working with small and medium agribusinesses for close farmer-market linkage
- Continue to invest and develop **human capital**
 - Develop staff skills (Business and Management)
 - Widen Associate Expertise pool



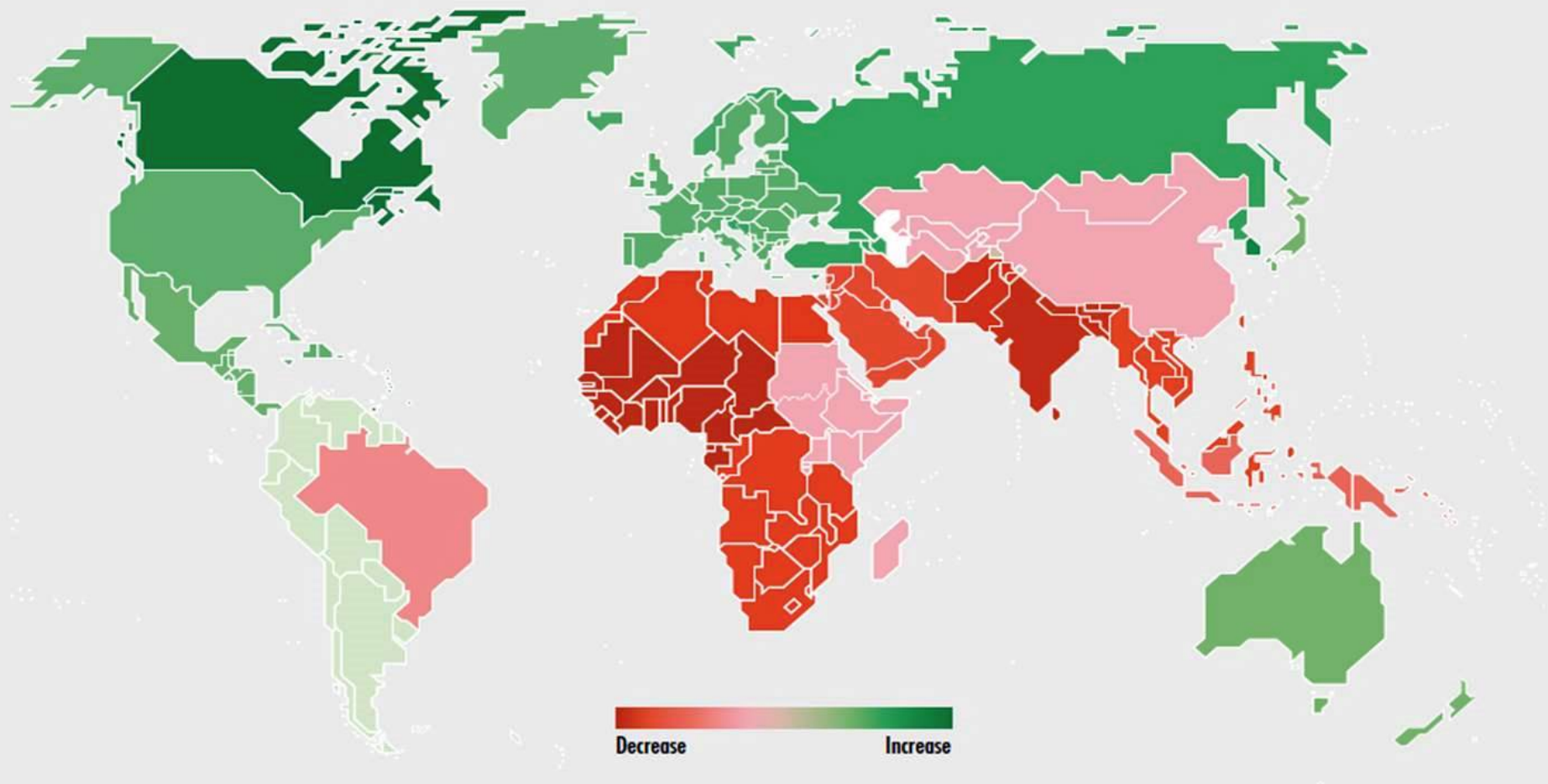
Strategic level:

- Work in close **partnership with member countries**, responding to member country needs and SDGs
- **One Belt and One Road** Plant Protection International Collaboration Initiative
- **South-south** Cooperation: link Asia-Pacific with Africa
- Explore partnerships with the **private sector** considering vibrant market in the region
- Trade and Commodities
- Collaborative research on emerging pest and disease
- Industry 4.0 i.e. engage with automation and big data

Changchun declaration



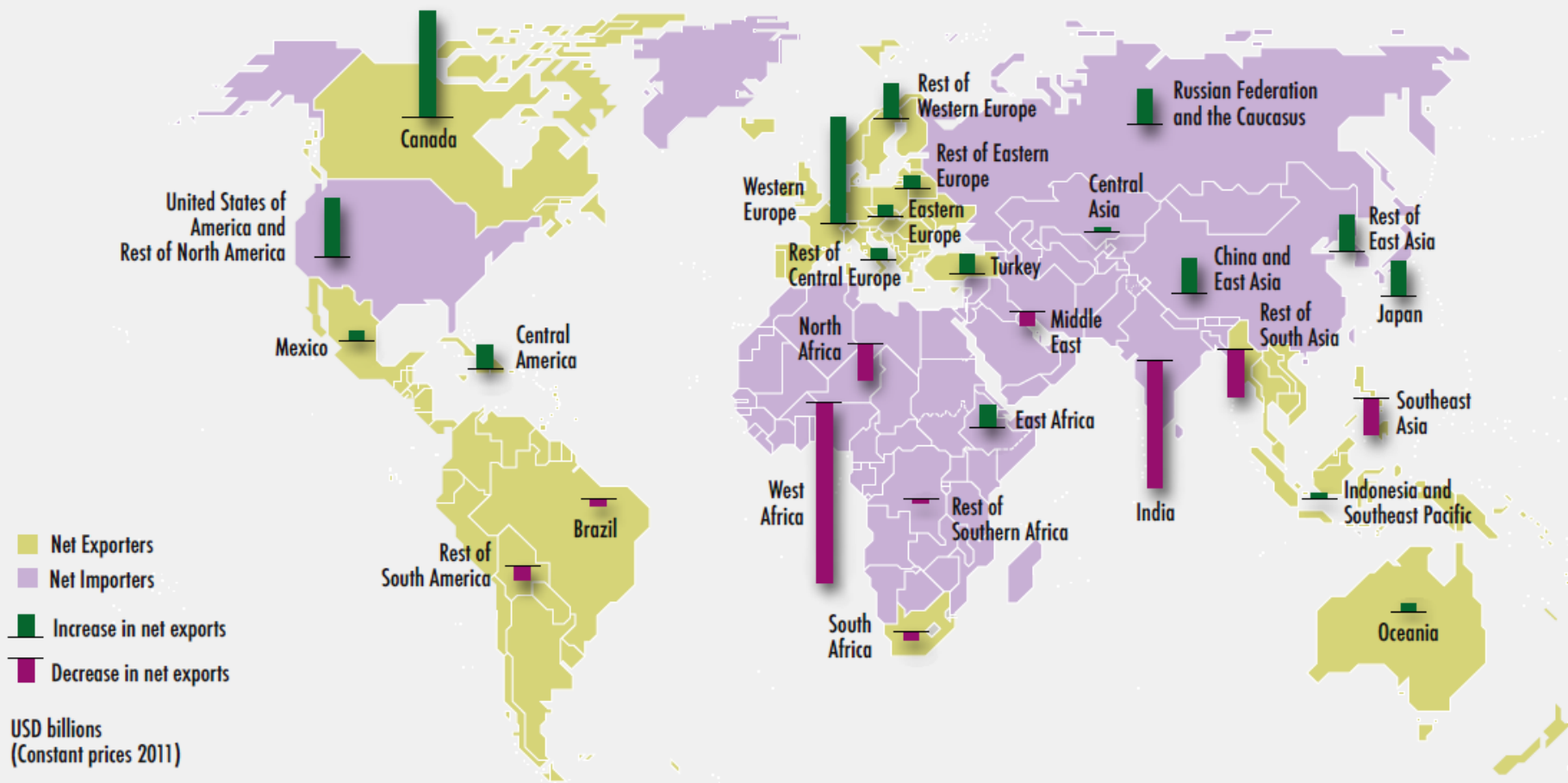
Focus on agriculture production – future threats



NOTE: The final boundary between the Republic of the Sudan and the Republic of South Sudan has not yet been determined. Final status of the Abyei area has not yet been determined.

SOURCE: Based on data provided by Wageningen Economic Research. 2018. Climate Change and Global Market Integration: Implications for global economic activities, agricultural commodities and food security. SOCO 2018 Background Paper, Rome, FAO.

Capitalise on opportunities – South-South



NOTE: The final boundary between the Republic of the Sudan and the Republic of South Sudan has not yet been determined. Final status of the Abyei area has not yet been determined.

SOURCE: Based on data provided by Wageningen Economic Research. 2018. Climate Change and Global Market Integration: Implications for global economic activities, agricultural commodities and food security. SOCO 2018 Background Paper, FAO, Rome



We look forward to working together to set our work priorities for the next three years.

شكرا جزيلًا
mercì
शुक्रिया
zikomo
xie-xie
obrigado
efharistó
merci
zi komo
gracias
zi komo
asante
thank you
tak
ke itumetse
dhanyawaad
urakoze
danke
terima kasih

CABI is an international intergovernmental organisation, and we gratefully acknowledge the core financial support from our member countries (and lead agencies) including:



Ministry of Agriculture and
Rural Affairs,
People's Republic of China



Agriculture and
Agri-Food Canada



Ministry of Foreign Affairs of the
Netherlands



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development
and Cooperation SDC