



Trends in Pesticide Regulation; Collaborative Capacity Building; and the Global Minor Use Foundation

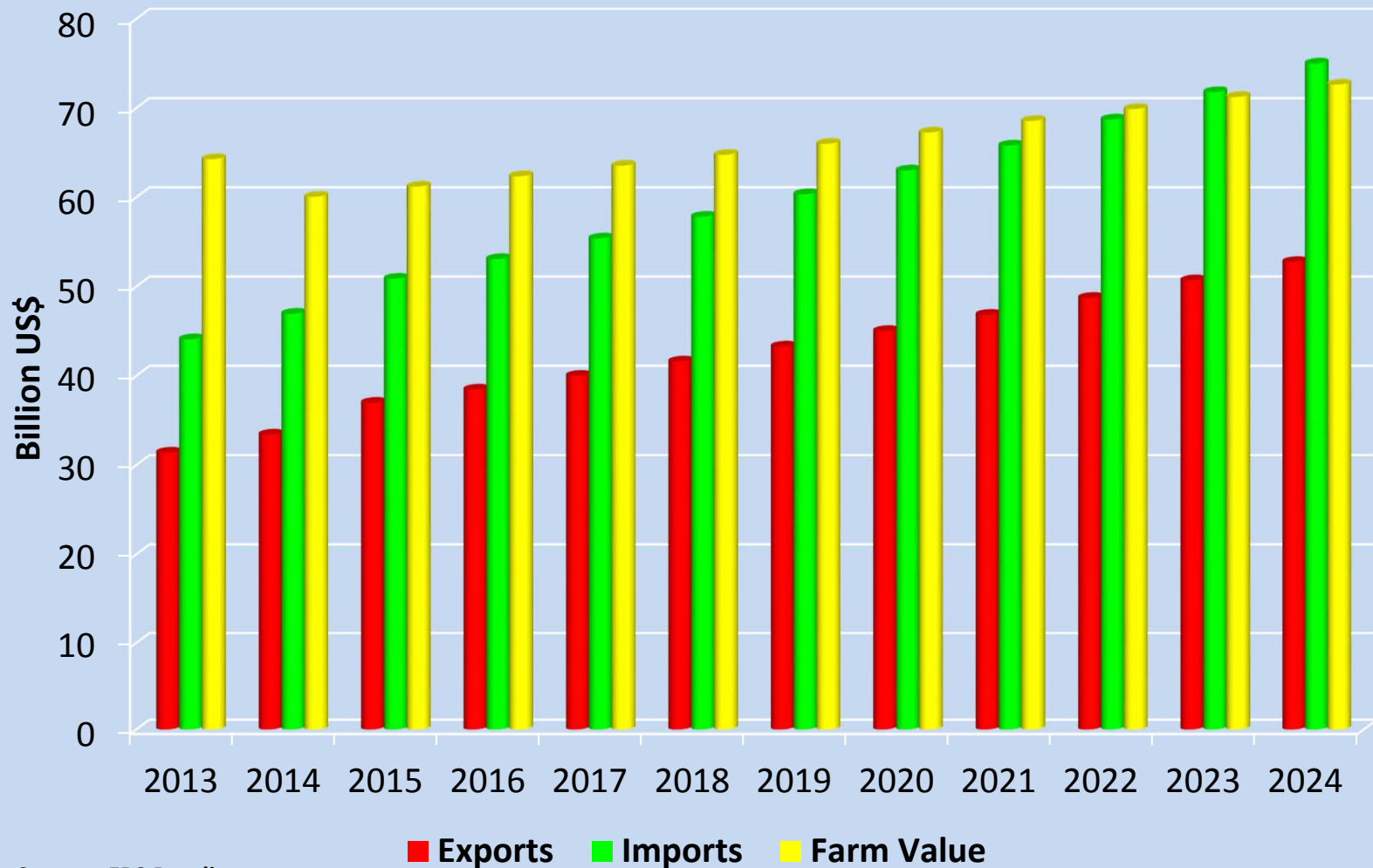
Global Minor Use Workshop
September 20-22, 2015
Chicago, Illinois, USA

Jason Sandahl
Senior Program Manager – Food Safety
Office of Capacity Building and Development
USDA Foreign Agriculture Service



Long-Term Trends for U.S. Specialty Crops: Production Stable, Both Imports & Exports Increase

Horticulture



Source: ERS Baseline

International MRLs

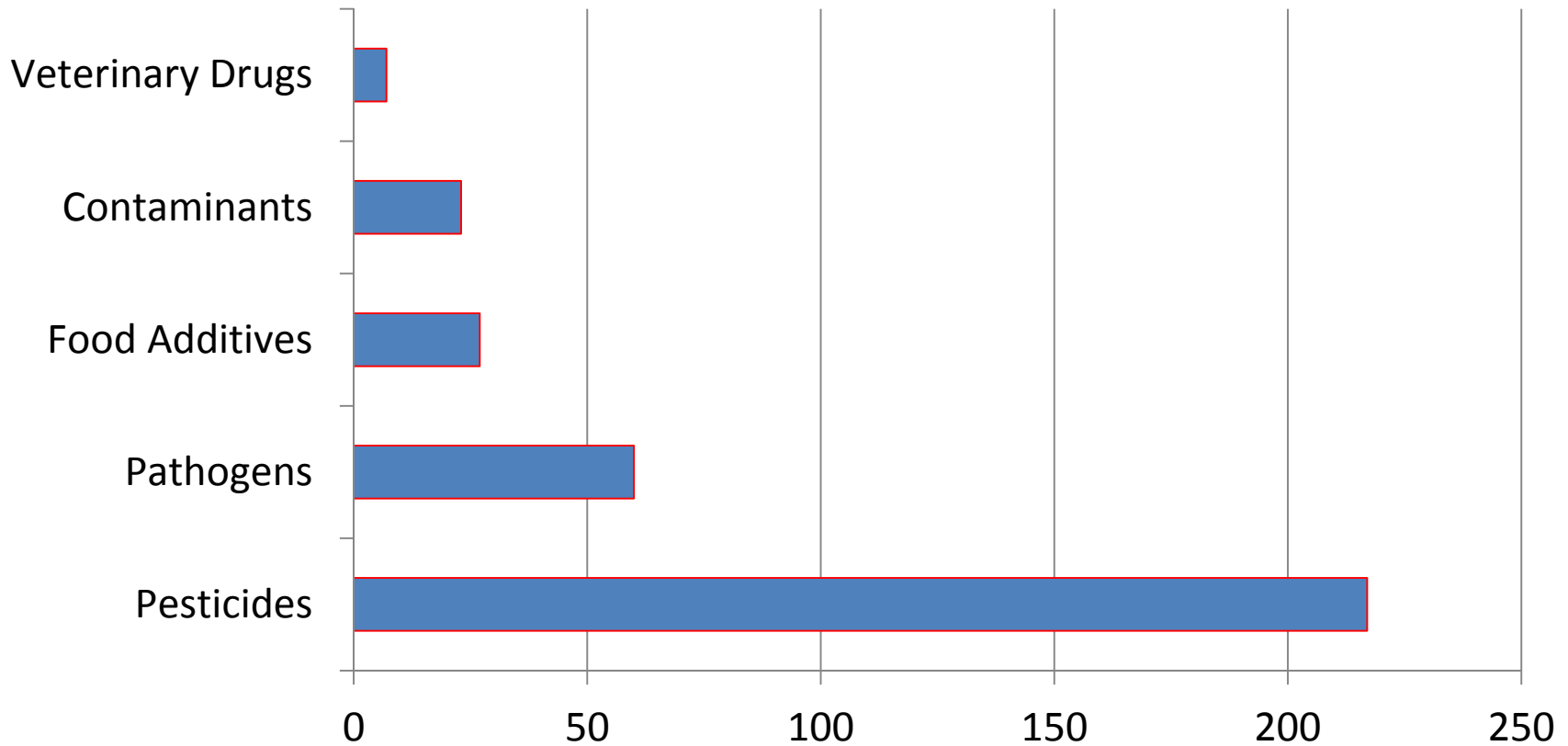
The World Trade Organization's Sanitary and Phytosanitary (SPS) Agreement encourages countries to base their MRLs on those set by Codex Alimentarius



U.S. Responses to SPS-Related WTO Notifications

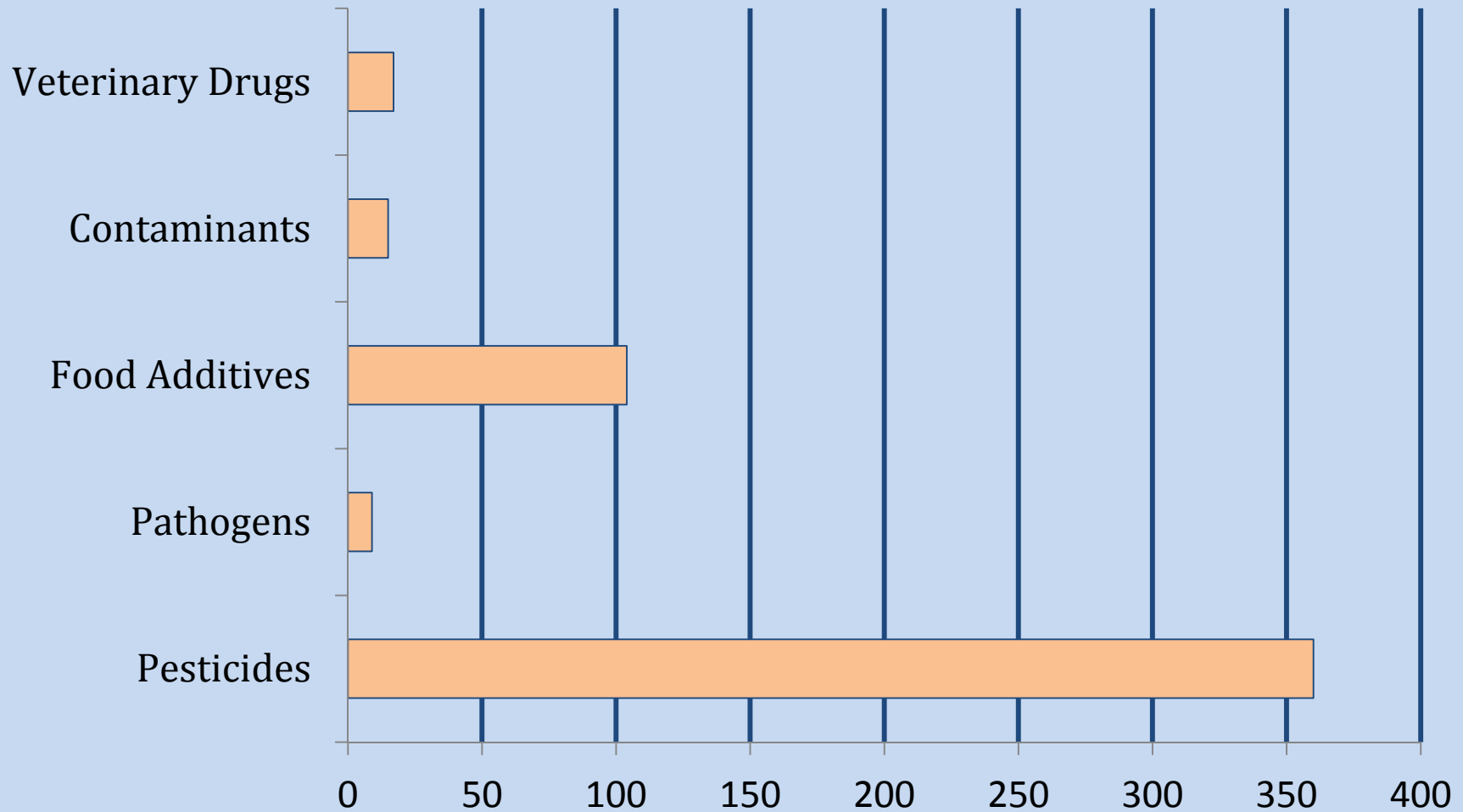
USDA Annually Reviews over 1,000 WTO Notifications

SPS Concerns by Type



MRL WTO Notifications

FAS Reviewed Over 2,000 WTO Notifications in 2014



<u>Date WTO Issued</u>	<u>Notification Number</u>	<u>Country</u>	<u>Products Covered</u>	USG Comments
5/22/2015	<u>SPS/N/BRA/1042</u>	Brazil	Pesticides:MRL	<u>BRA SPS 1042 pesticide MRL Final.docx (English)</u>
4/30/2015	<u>SPS/N/CHN/875</u>	China	Pesticides:MRL	<u>CHN SPS 875 pesticide MRLs final 6-19-15.docx (English)</u>
4/30/2015	<u>SPS/N/TPKM/354</u>	Taiwan, Penghu, Kinmen, Matsu	Pesticides:MRL	<u>TPKM SPS 354 pesticide MRLs final 6-23-15.docx (English)</u>
4/23/2015	<u>SPS/N/AUS/357</u>	Australia	Pesticides:Veterinary Drugs:MRL	<u>AUS SPS 357 MRL Amendments Final 06-17-2015.doc (English)</u>
12/11/2014	<u>SPS/N/SAU/136</u>	Saudi Arabia	Pesticides:MRL	<u>SAU SPS 136 GCC Vet Drug MRLs final 5-29-2015.doc (English)</u>
11/28/2014	<u>SPS/N/JPN/378</u>	Japan	Pesticides:MRL	<u>JPN SPS 378 MRL Etofenprox Final 01202015.docx (English)</u>
9/3/2014	<u>SPS/N/MEX/266</u>	Mexico	Pesticides:MRL	<u>MEX SPS 266 Pesticide Registration.Final.docx (English)</u>
7/4/2014	<u>SPS/N/EU/86</u>	European Union-EU	Pesticides:Animal and/or Plant Origin:MRL	<u>EU SPS 86 pesticide MRLs d2 10-3-14 f.doc (English)</u>
5/15/2014	<u>SPS/N/VNM/55</u>	Viet Nam	Pesticides:Food(s):MRL	<u>VNM SPS 55 MRLs final 7-11-14.docx (English)</u>
5/6/2014	<u>SPS/N/MYS/28</u>	Malaysia	Pesticides	<u>MYS SPS 28 pesticide MRLs FINAL 07-02-14.docx (English)</u>
3/18/2014	<u>SPS/N/KOR/471</u>	Korea, Republic of	Pesticides:Veterinary Drugs:MRL	<u>KOR SPS 471 Food Products FINAL, 06-09-2014.docx (English)</u>
12/6/2013	<u>TBT/N/QAT/318</u>	Qatar	Pesticides:MRL	<u>QAT TBT 318 and QAT SPS 46 MRLs 1-28-14 final.doc (English)</u>
1/19/2012	<u>SPS/N/KOR/403</u>	Korea, Republic of	Pesticides:MRL	<u>KOR SPS 403 MRLs USG Comments f.doc (English)</u>
7/21/2011	<u>SPS/N/HKG/36</u>	Hong Kong	Pesticides:MRL	<u>HKG SPS 36 MRL management final 3-15-12.docx (English)</u>
12/7/2010	<u>SPS/N/CAN/501</u>	Canada	Pesticides	<u>CAN SPS 501 MRLs 01.28.2010 final.docx (English)</u>

STDF

Standards and Trade Development Facility

The Standards and Trade Development Facility is a global partnership that supports developing countries in building their capacity to implement international SPS standards, guidelines and recommendations as a means to improve their human, animal, and plant health status and ability to gain or maintain access to markets.



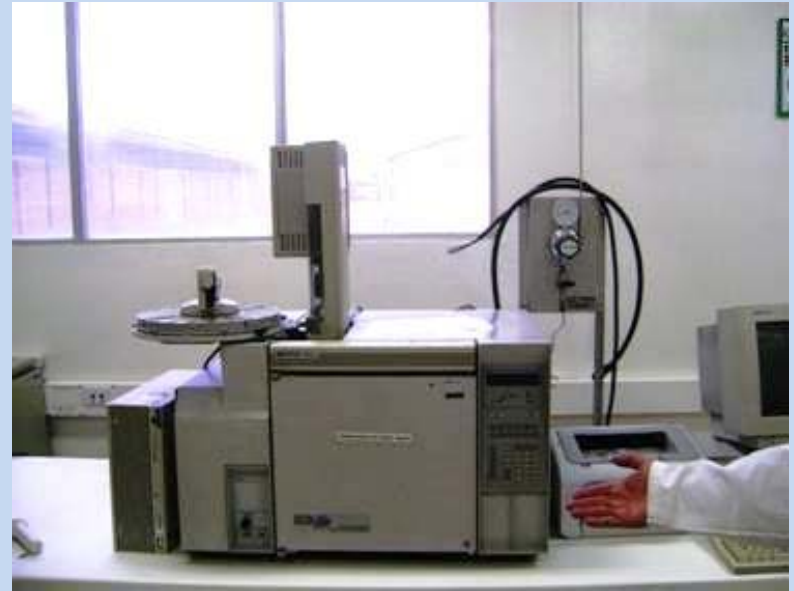
Trends in Capacity: Inspection Programs

Countries are tightening inspections and monitoring at ports, and strengthening food safety/pesticide laws and regulations.



Trends in Capacity: Analytical Capability

Developing countries are rapidly improving their pesticide residue laboratories.



Laboratories are rapidly increasing the number of pesticides that can be detected, and at lower levels.



Trends in Capacity: MRL Establishment

More countries are gaining the ability to conduct research and risk assessments in order to establish MRLs (national, Codex, or collaboratively with other countries).



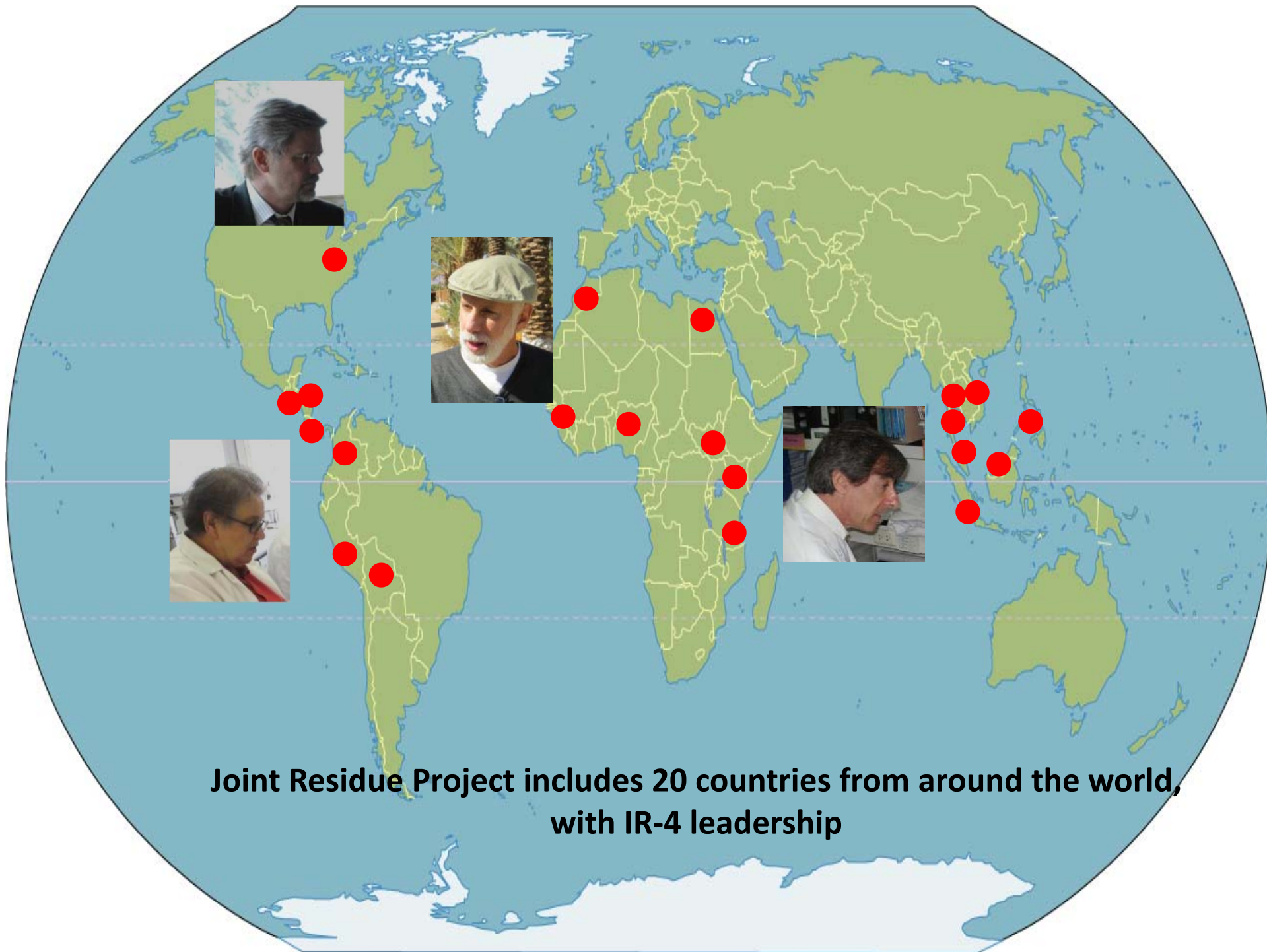
(STDF Funded)

Global Joint Residue Pilot Project for Tropical Fruits

Goal: Develop process for generating joint residue data for the establishment of Codex MRLs via a collaborative data generation project.

Vision: Establish global network of residue research sites to collaborate in generating data for MRLs (work-sharing and cost-sharing) and to coordinate minor use programs.





**Joint Residue Project includes 20 countries from around the world,
with IR-4 leadership**

Joint Research Process

1. National Study Teams are established



Joint Research Process

1. National Study Teams are established



2. Project crops and pesticides identified



Joint Research Process

1. National Study Teams are established



2. Project crops and pesticides identified



3. Field and Laboratory GLP training



Joint Research Process

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4. Conduct Actual Research



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1. National Study Teams are established



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4. Conduct Actual Research



5. Data Review and Data Package Preparation for JMPR Submission



ASEAN Project

Indonesia, Vietnam: Dragon Fruit – Azoxystrobin/
Difenoconazole



Malaysia, Brunei,
Philippines: Papaya - Pyriproxyfen



Malaysia/Singapore: Mango – Pyriproxyfen



Thailand: Mango – Spinetoram

Thailand: Lychee – Spinetoram



ASEAN PROJECT		TARGET COMPLETION DATE						
Study	Country	Field Trials	Sample Analysis	Field Data Notebooks	Analytical Summary Report	Final Report	Label	JMPR Submission
Pyriproxyfen/ mango	Malaysia	6/6 complete	Complete	January 2015	January 2015 (DRAFT)	February 2015	December 2015	January 2016
	Singapore	NA	Complete	NA	January 2015 (DRAFT)	NA	NA	NA
Pyriproxyfen/ papaya	Philippines	2/4 ??? 2015						
	Brunei	1/1 January 2015	NA	April 2015		NA	NA	NA
	Malaysia	1/2 December 2015	January 2016	January 2016	March 2016	NA	NA	NA
Spinetoram/ mango	Thailand DoA	3/3 complete	Complete	TBD Ask FRD	May 2015	July 2015	November 2015	January 2016
	Thailand CLT	3/3 Complete	Complete	TBD Ask FRD	May 2015	July 2015	November 2015	January 2016
Spinetoram/ lychee	Thailand DoA	3/3 June 2015	July 2015	June 2015	September 2016	January 2016	TBD	Goal 2016
	Thailand CLT	3/3 June 2015	July 2015	June 2015	September 2016	January 2016	TBD	Goal 2016
Azoxy-Difen/ dragon fruit	Indonesia	2/6 March 2015	July 2015	July 2015	September 2015	December 2015	October 2015	Goal 2016
	Vietnam	1/1 Complete	NA	February 2015	NA	NA	NA	NA

Latin America Project

Colombia:

Avocado – Spinetoram

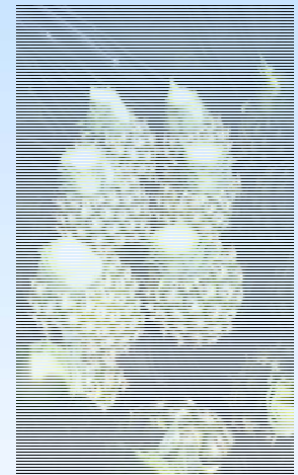


Costa Rica/Guatemala: Banana - Spinetoram



Panama:

Pineapple – Spinetoram



LATIN AMERICA PROJECT		TARGET COMPLETION DATE						
Study	Country	Field Trials	Sample Analysis	Field Data Notebooks	Analytical Summary Report	Final Report	Label	JMPR Submission
Pyriproxyfen/ pineapple	Panama	6/6 Sept 2015	TBD ask LRD	TBD	December 2015	TBD	TBD	December 2016
Pyriproxyfen/ banana	Costa Rica	2/6 December 2015	February 2016	March 2016	March 2016	May 2016	November 2016 – need to add use	December 2016
	Guatemala	2/6 May 2015	TBD ask LRD	TBD	TBD ask LRD	TBD	Complete	December 2016
Spinetoram/ avocado	Colombia	6/6 Complete	June 2015	TBD	September 2015	January 2016	Complete	December 2016
Spineroram/ banana	Bolivia	3/3			None	None	None	NA

Africa Project

Ghana/Senegal:

*Morocco to conduct
laboratory analysis

Mango - Sulfoxaflur



Kenya/Tanzania/Uganda:

*Kenya to conduct
laboratory analysis

Passion Fruit - Sulfoxaflur

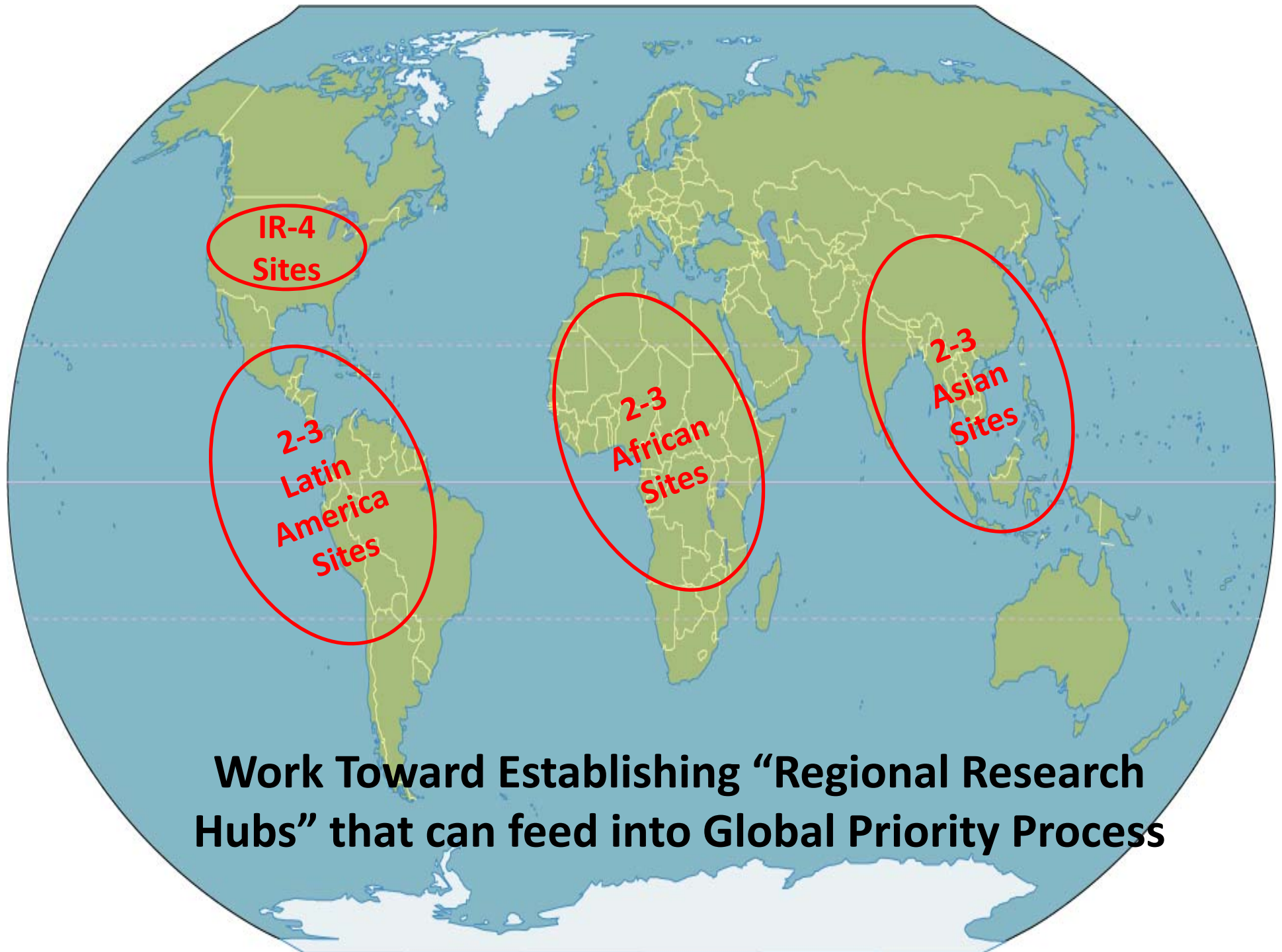


Egypt:

Guava – Azosystrobin/
Difenoconazole

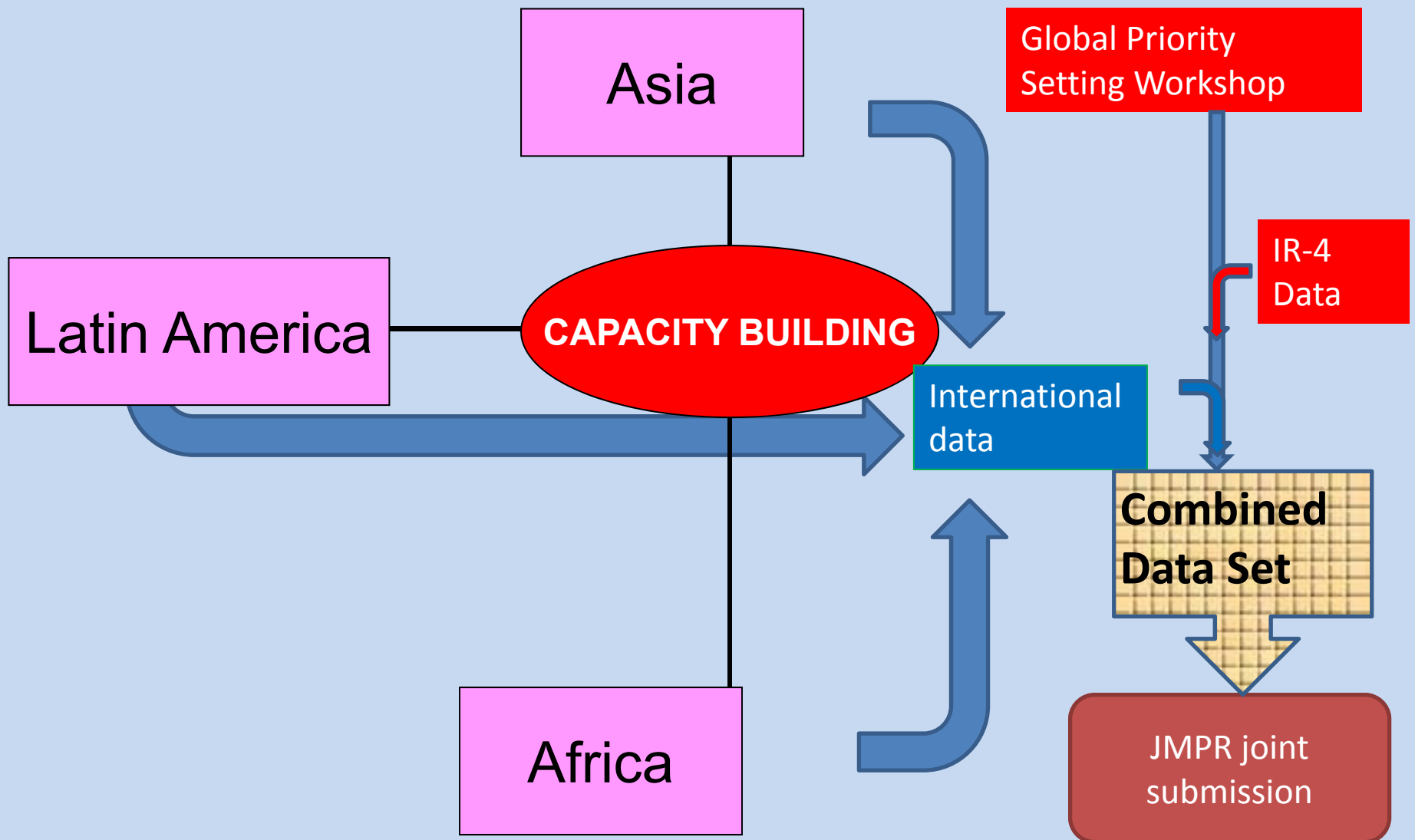


AFRICA PROJECT		TARGET COMPLETION DATE						
Study	Country	Field Trials	Sample Analysis	Field Data Notebooks	Analytical Summary Report	Final Report	Label	JMPR Submission
Sulfoxaflur/ passion fruit	Kenya	0/2	December 2016	March 2017	March 2017	June 2017	TBD	December 2017
	Tanzania	0/2	December 2016	March 2017	March 2017	June 2017	TBD	December 2017
	Uganda	0/2	December 2016	March 2017	March 2017	June 2017	TBD	December 2017
Sulfoxaflur/ mango	Ghana	0/3	December 2016	March 2017	March 2017	June 2017	TBD	December 2017
	Senegal	0/3	December 2016	March 2017	March 2017	June 2017	TBD	December 2017
	Morocco	NA						NA
Azoxystrobin/ guava	Egypt	3/6 July 2016	November 2015	March 2016	March 2016	June 2016	TBD	December 2016



Work Toward Establishing "Regional Research Hubs" that can feed into Global Priority Process

Regional Capacity Building...Link to Global Priorities





**North
American
Sites**

**European
Sites**

**Multiple
Latin
America
Sites**

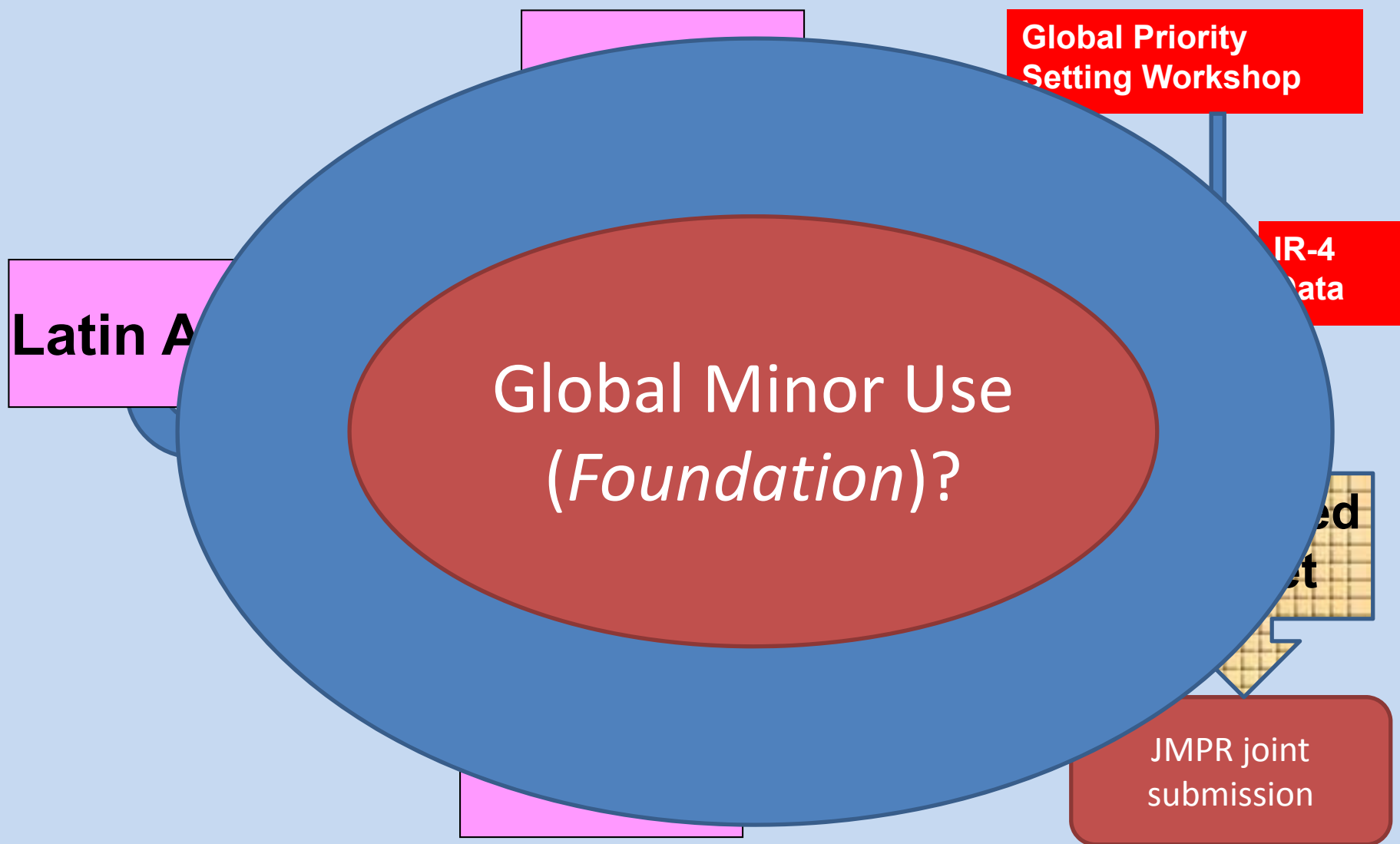
**Multiple
African
Sites**

**Multiple
Asian
Sites**

**Australia
/New
Zealand
Sites**

**Can this be expanded to cover even more
regions? – certainly!!!!**

Next Step of Capacity Work



The Global Minor Use (*Foundation*)

Recommendation of the 2012 Global Minor Use Summit

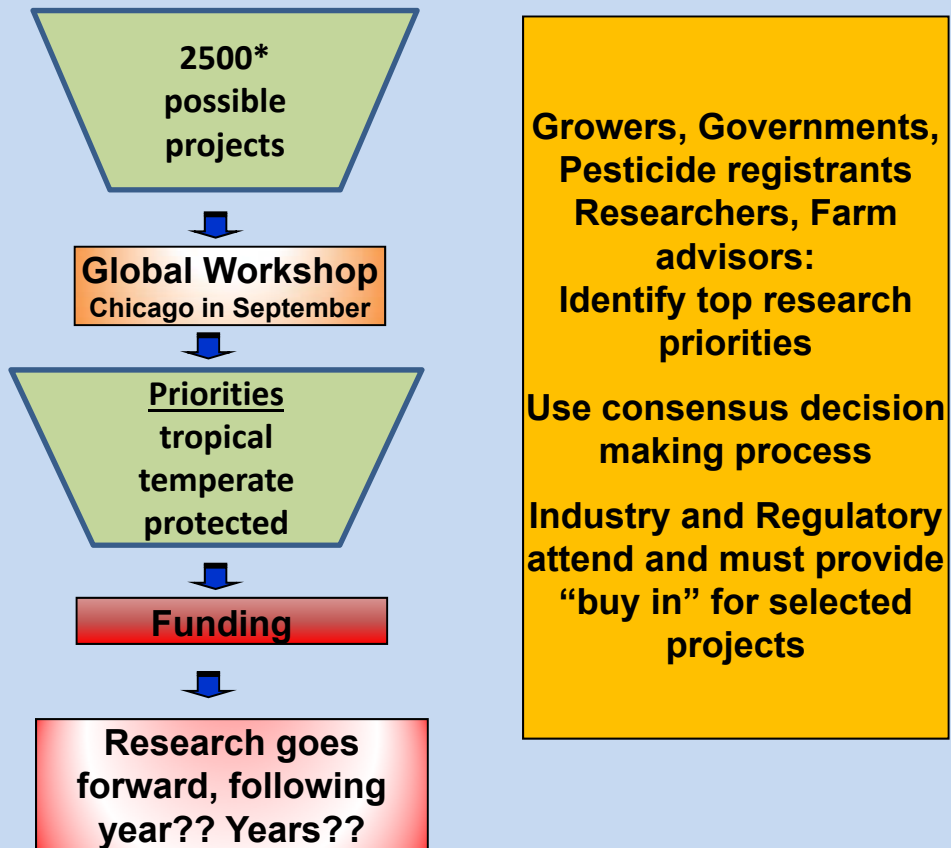
Purpose:

- Facilitate the exchange of residue data across countries
- Prioritize pesticide, MRL, and capacity building needs
- Coordinate residue studies
- Provide a framework and mechanism to receive and distribute funds to support global research projects
- Reduce the cost of conducting residue studies
- Increase the number of MRLs established for minor-use crops



Global Pesticide Priorities Workshop (2015 Chicago)

Current framework



Global Pesticide Priorities Workshop (Annual)

Current framework

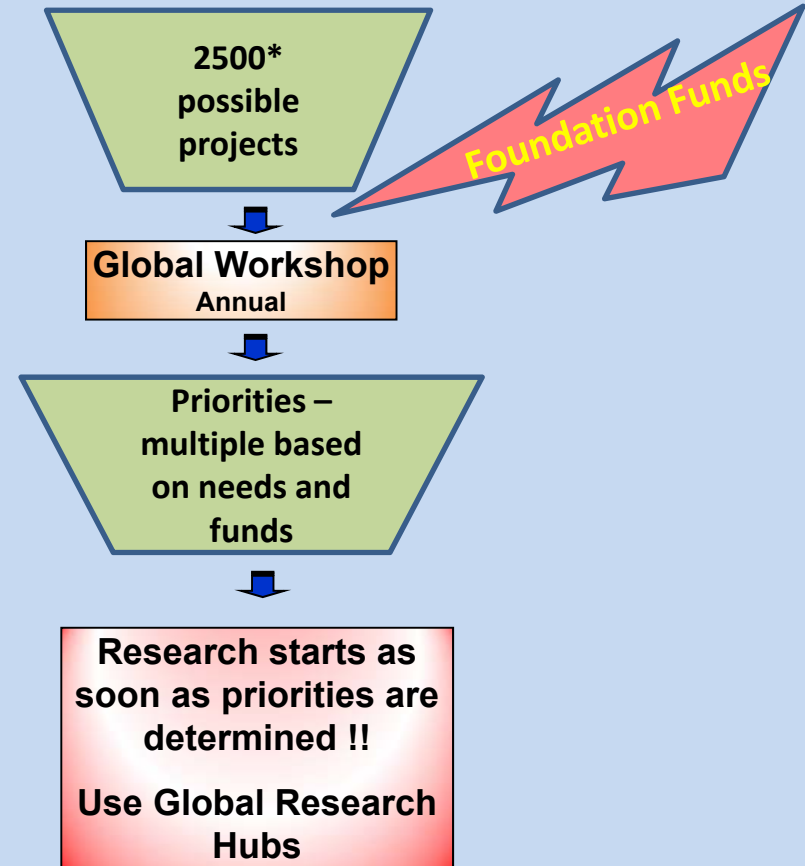


Growers, Governments, Pesticide registrants, Researchers, Farm advisors:
Identify top research priorities

Use consensus decision making process

Industry and Regulatory attend and must provide "buy in" for selected projects

Alternative framework via GMUF model



The Global Minor Use (*Foundation*): Proposed Framework

- ❖ Housed within the Rutgers University Foundation System

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 - Provides mechanism for financial contributions from various sources
 - Private Sector (pesticide manufacturers)
 - International Donor Organizations
 - Governments
 - Grower Associations, Exporters, Retailers
 - Any organization with specific research needs

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 - Develop Minor-Use/GLP programs in partner countries
 - Support capacity building for national research programs
 - Conduct joint residue research projects identified through Global Priorities Workshops

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 - Develop Minor-Use/GLP programs in partner countries
 - Support capacity building for national research programs
 - Conduct joint residue research projects identified through Global Priorities Workshops
- ❖ Establishment of a Steering Committee led by IR-4
 - Define management structure
 - Define Terms of Reference
 - Provide direction and guidance
 - Identify and pursue funding sources

The Global Minor Use (*Foundation*):
Funding.....



The Global Minor Use (*Foundation*):



The Global Minor Use (*Foundation*):



- ❖ FAS has contributed \$500,000 towards to launch the GMUF
 - Three Years
 - Secure other funding sources
 - Establish infrastructure
 - Support Global Prioritization Process
 - Support some capacity building
 - Support start up of some joint projects

The Global Minor Use (*Foundation*):
Still Need Sustainable Funding.....



THANK YOU!