

# AsiaBlight: present and future:

## Organization, events, a developing network



# X- Blight : Late Blight networks

它是什么?



1996

USABlight | A National Project on Tomato & Potato Late Blight

2011

Tizón Latino

Red latinoamericana de cooperación para el estudio del tizón tardío de las solanáceas

2014



2014-2018

AfricaBlight

2019



**COMMON PROTOCOLS and STANDARDS**

# What is the AsiaBlight network?

**AsiaBlight is a inclusive network of stakeholders (scientists, companies, farmers, others) working on potato late blight, in Asia, with multiple approaches.**

AsiaBlight是一个由科学家、企业、农户及其他利益攸关方共同组成的网络系统，致力于使用综合手段解决亚洲地区马铃薯晚疫病的问题。



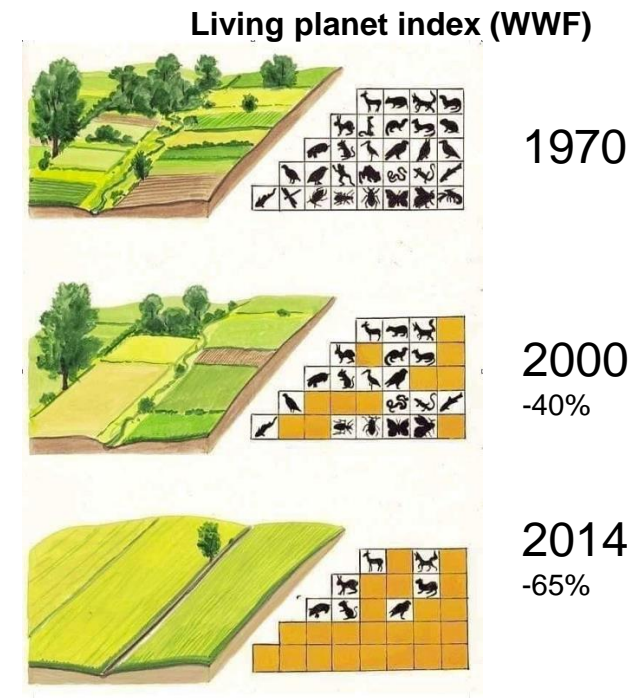
**CIP-CCCAP is the  
Administrative/Scientific/Operational  
entity hosting AsiaBlight**

亚太中心（中国）是举行AsiaBlight活动的行政实体，协调AsiaBlight在包括中国在内的所有亚洲国家开展工作。

# Vision

Reduce the negative effect of Late Blight on Asian crops, in a sustainable way, by improving the collaboration and communication between Asia's Late Blight stakeholders.

通过改善所有亚洲晚疫病利益攸关方之间的交流与合作持续减少晚疫病对亚洲作物的负面影响



# Mission of AsiaBlight

## 1 Build a community of knowledge

- meetings/workshop /Promote scientific collaboration between Asian countries,
- Establish dynamic relationships with EuroBlight, TizonLatino and USABlight

建立社区并增加能力培训

## 2 Research using same protocol 研究

- Genotyping
- Fungicide effectiveness

基因分型，亚洲晚疫病的表型分析 协助监测杀菌剂有效性，并对结果予以发布

## 3-Financial independence

使网络实现财务独立 协同亚太中心（中国）一起支持AsiaBlight筹款工作

# AsiaBlight Team

## Coordination and Communication committee CIP-CCCAP



**Dr Alberto Maurer**  
Chief Scientific Officer

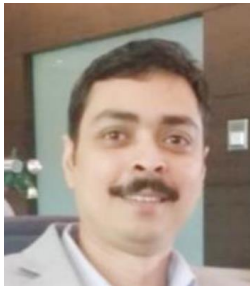


**Dr Christelle Lasserre**  
Sr Manager, Scientific business



**Dr Jorge Andrade**  
Asia and Africa -Blight

## Scientific committee hosted by CCCAP : Volunteers!



**Dr Sanjoy  
Guha Roy**  
India



**Dr Tongle Hu**  
China



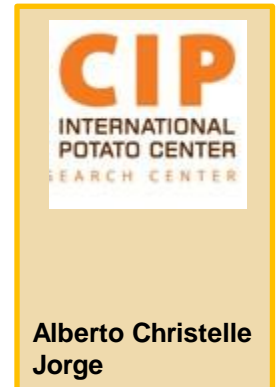
**Dr Huong  
Pham Thi Thu**  
Vietnam



**Dr Mohammed  
Rashidul Islam**  
Bangladesh



**Dr Seishi  
Akino**  
Japan



Help organize content of annual meeting, training workshops, research, fund raising  
contact with X-Blight and will be in relation with different country representants

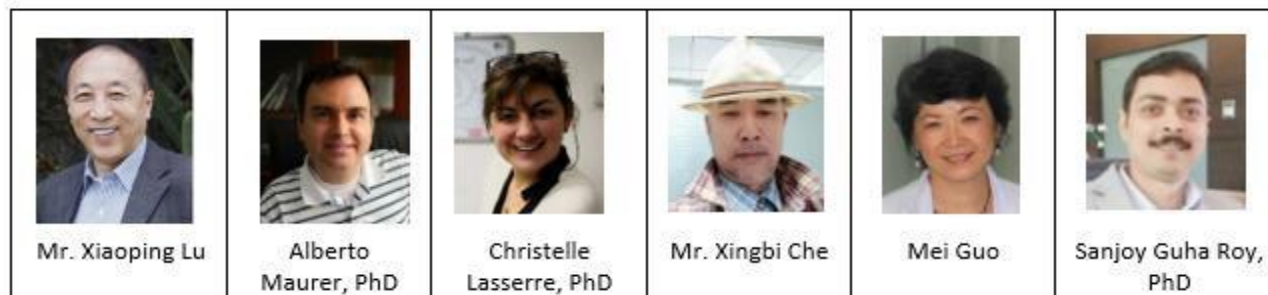


## Country representant (Volunteers)! developing list!



**Their role in to relay the information and support the scientific committee in their respective countries**

**Help with fund raising in their country to make the network sustainable  
Coordinate *P. Infestans* sampling in their countries**



**Pop-up fundraising committee (people change depending on event)  
The fund raising committee is formed ad-hoc to support each event**

# Communication platforms

<https://www.asiablight.org>



AsiaBlight- Who are we?

AsiaBlight is an inclusive network of scientists, companies, farmers and other stakeholders working on potato late blight, in Asia.



English and Chinese on going,  
more language to come!

**AsiaBlight WeChat**

group 114 people in China  
scientists/big farmers/government  
officials/companies



TWEETER: @AsiaBlight  
Facebook: AsiaBlight



# AsiaBlight : 2019 activities

- Always updates: [www.asiablight .org](http://www.asiablight.org)

- International **annual MEETING**
- **2 WORKSHOPS : November - December**
- **RESEARCH :**

# AsiaBlight Research program

延庆实验室工作



Continuous Genotyping of late blight in Asia in order to built a LB population map in China and Asia.

On-going : province f China



Fungicide (Dose rate [litre or kg/ha])	Leaf blight	Stem blight	New growth	Protein test	Curative	Anti-sporulation	Phylogenetic	Mortality	Year
copper									1900
dimethomorph (2.0) <sup>1</sup>	2.0	0.0							1981
chlorothalonil									1984
cymoxanil (0.5)	3.8	3.8							2001
fluazinam (0.4)	2.9								1992
zoxamide + mancozeb (1.8)	2.8								2001
amoulturon + mancozeb (0.5+2.0)	4.5	3.7							2007
ametrinacarb + mancozeb (2.5)	3.7								2011
fluazinam + ametrinacarb (0.5)	3.5 <sup>2</sup>								2016
fenoxystrobin + cyproconazole									1996
(zoxamide + mancozeb) + cyproconazole (1.8+0.2)	3.4								2001
mandipropamid (0.6)	4.0								2005
mandipropamid + difenoconazole (0.6)	4.0								2005
benthiavalicarb + mancozeb (2.0)	3.7								2003
cymoxanil + metiram									1976
cymoxanil + copper									1976
cymoxanil + mancozeb									1976
dimethomorph + mancozeb (2.4)	3.0								1988
dimethomorph + fluazinam (1.0)	3.7	3.3							2012
fenoxystrobin + mancozeb (1.5)	2.6								1996
(zoxamide + cymoxanil) + fluazinam (0.45+0.4)	4.0								2015
(zoxamide + dimethomorph) + fluazinam (1.0+0.4)	4.2								2015
mandipropamid + cymoxanil (0.6)	4.4								2013
(pyraclostrobin + dimethomorph) + adjuvant (2.5+1.0)	4.0 <sup>3</sup>								2012
benthiavalicarb + mancozeb <sup>4</sup>	3.0								1981
metallaxyl-M + mancozeb <sup>5</sup>									1977
metallaxyl-M + fluazinam <sup>6</sup>									2012
propiconazole + cymoxanil + cyproconazole (2.0+0.5)	4.8								2012
propiconazole + cymoxanil (2.0)									2011
propiconazole-HCl + fenoxystrobin (2.0)	2.5								1998
propiconazole-HCl + fluopicolide (1.8)	3.8	3.9							2006
oxathioprop (0.15)									2017

<sup>1</sup> Includes manco, mancozeb, propiconazole and metiram. <sup>2</sup> See proceedings for comments on phylogenetic resistance. <sup>3</sup> Based on EuroBlight field test in 2006-2015. <sup>4</sup> Based on EuroBlight field test in 2000-2012. <sup>5</sup> Based on limited data. <sup>6</sup> In some trials there were indications that the rating was 1%. <sup>7</sup> A provisional rating based on 3 EuroBlight experiments. <sup>8</sup> Observations from several trials indicated that both New growth and Stem blight were ++. <sup>9</sup> In some trials the curative activity was ++.

Fungicide testing **COMPANIES Please contact us!**

Rank the different active ingredients in order to advise the farmers how to better determine which pesticide to use depending on which LB strain, location, and potato variety are they using.

Info: [c.lasserre@cgiar.com](mailto:c.lasserre@cgiar.com) and <https://www.asiablight.org/>

对晚疫病进行基因分型，加强对该病的攻击性及传播性的了解，建立亚洲晚疫病种群图  
杀菌剂检测 将不同活性成分排序，指导农民依据晚疫病的菌株、位置及使用的马铃薯品种更好地选择杀虫剂种类

# Next training workshops announcement !

Where? Yanqing, China

**November 18- 22, 2019 :**

To start a collection of *P. infestans* (sampling, isolating, purification and conservation) and characterisation-phenotypic tests.

**December 2-6, 2019,**

Multiplex genotyping for *P. infestans*



Info: [c.lasserre@cgiar.com](mailto:c.lasserre@cgiar.com) and <https://www.asiablight.org/>

# AsiaBlight Corporate Sponsorship 企业合作一览表

Ideally AsiaBlight needs to be financially independent within 4 years

The 3<sup>rd</sup> AsiaBlight Budget coverage:

- 50 % covered by Sponsors
- 25% covered by CCCAP (without counting people's work time)
- 15% covered by CAU (without counting people's work time)
- 10% your registrations!



# 谢谢大家!

# *Thank You!*

卢秋燕 博士

Christelle Lasserre PhD, MM

国际科学商务与传播高级经理

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**CIP is a research-for-development organization** with a focus on potato, sweetpotato and Andean roots and tubers. It delivers innovative science-based solutions to enhance access to affordable nutritious food, foster inclusive sustainable business and employment growth, and drive the climate resilience of root and tuber agri-food systems. Headquartered in Lima, Peru, CIP has a research presence in more than 20 countries in Africa, Asia and Latin America.

[www.cipotato.org](http://www.cipotato.org)



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CGIAR is a global research partnership for a food-secure future. Its science is carried out by 15 research centers in close collaboration with hundreds of partners across the globe.

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