

Workstream Update: GLP Site Accreditation

Friday 23rd June, I2I Convening, Hotel Kempinski, Geneva

Graham Small (IVCC) and Alex Wright (Consultant to I2I)

Presentation Objectives



- 1. Recap on the progress and key achievements of the workstream over the last 12 months
- 2. Present the workstream's view of WHO's new product evaluation system
- 3. Outline the future priorities of the workstream

GLP Workstream Members











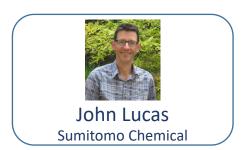








Industry Focal Point



GLP Workstream Objectives



From the Terms of Reference:

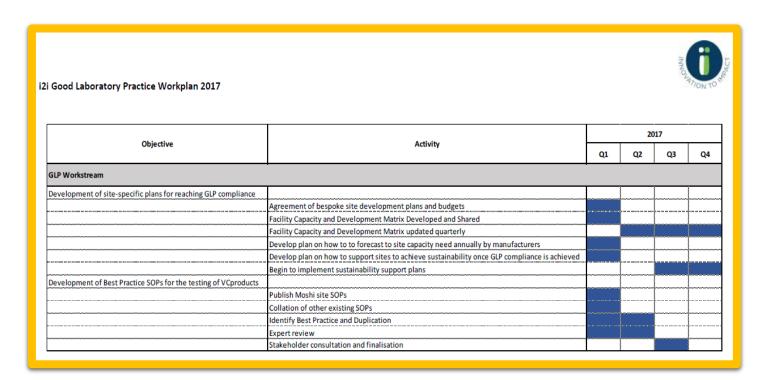
 The purpose of the GLP Workstream is to enable manufacturers to generate data at GLP certified facilities to be used in dossier reviews by WHO PQ

- This will be achieved by the development of:
 - Site-specific plans for obtaining GLP certification
 - Best Practice Standard Operating Procedures (SOPs) for the testing of Vector Control products

GLP Workstream Outputs



From the GLP Workplan:



- 1. 16 individual site plans to obtain GLP certification
- 2. These sites to be GLP certified by end of 2018
- 3. Site matrix developed and updated regularly on I2I website, conveying features of sites and progress in development
- 4. Develop Best Practice SOPs for testing Vector Control products
- 5. Sustainability Plan to support sites post-compliance
- 6. Forecasting tool to monitor site capacity





1. Site development
2. Quality manual approved
3. Pre-inspection complete
4. Conducting pilot GLP trials
5. Full inspection complete
6. GLP Compliant

Facilities in Africa	Status*	Site Capabilities	Compliance Target
Kilimanjaro Christian Medical University College, Moshi, Tanzania	6. GLP Compliant	IRS P1-3; LLIN P1-3; Larv P1-3	N/A
Institut de Recherche en Sciences de la Sante (IRSS), Centre Muraz Bobo-Dioulasso, Burkina Faso	1. Site Development	IRS P1-3; LLIN P1-3	2018 Q2
LSHTM-CREC (Centre de Recherches Entomologiques de Cotonou), Benin	1. Site Development	IRS P1-3; LLIN P1-3; Larv P1	2017 Q4





Facilities in Africa (continued)	Status	Site Capabilities	Compliance Target
Centre Suisse de Recherches Scientifiques en Côte D'Ivoire (CSRS), Abidjan, Côte D'Ivoire	1. Site Development	IRS P1-3; LLIN P1-3; Larv P1-3	2017 Q4
Institut Pierre Richet (IPR), Institut National de Sante Publique, Cote D'Ivoire	1. Site Development	IRS P1-3; LLIN P1-3; Larv P1-3	2018 Q2
Ifakara Health Institute, Tanzania (Bagamoyo and Ifakara sites)	1. Site Development	IRS P2-3; LLIN P2-3	2017 Q4
Amani Research Centre-NIMR (National Institute of Medical Research), Muheza, Tanzania	1. Site Development	IRS P3; LLIN P1-3; Larv P1-3	2018 Q2





Facilities in Asia	Status	Site Capabilities	Compliance Target
National Institute of Malaria Research, Delhi, India	1. Site Development	IRS P1-3; LLIN P1-3; Larv P1-3	2018 Q2
Vector Control Research Centre (VCRC), Puducherry, India	1. Site Development	IRS P1-3; LLIN P1-3; Larv P1-3	2018 Q2
Vector Control Research Unit VCRU), Penang, Malaysia	1. Site Development	SS P1-3; Larv P1-3	2018 Q2
Institute for Medical Research (IMR), Kuala Lumpur, Malaysia	1. Site Development	SS P1-3; Larv P1-3	2018 Q2
National Institute for Communicable Disease Control and Prevention (ICDC), China	1. Site Development	IRS P1-3; LLIN P1-3; Larv P1-3; SS P1-3	2018 Q2

GLP Site Development



Facilities in the Americas	Status	Site Capabilities	Compliance Target
Centro de Investigaciones de Plagas e Insecticidas (CIPEIN), Buenos Aires, Argentina	1. Site Development	To be determined	To be determined
Fundação Oswaldo Cruz FIOCRUZ, Rio de Janeiro, Brazil	1. Site Development	To be determined	To be determined
Centro Regional de Investigación en Salud Pública, Instituto Nacional des Salud Pública, Tapachula, Mexico	1. Site Development	To be determined	To be determined
Universidad Autonoma de Yucatan, Mexico	1. Site Development	To be determined	To be determined

Facilities in Europe	Status	Site Capabilities	Compliance Target
IRD, Montpellier, France	1. Site Development	IRS P1; LLIN P1; Larv P1; SS P1	To be determined

GLP Site Matrix

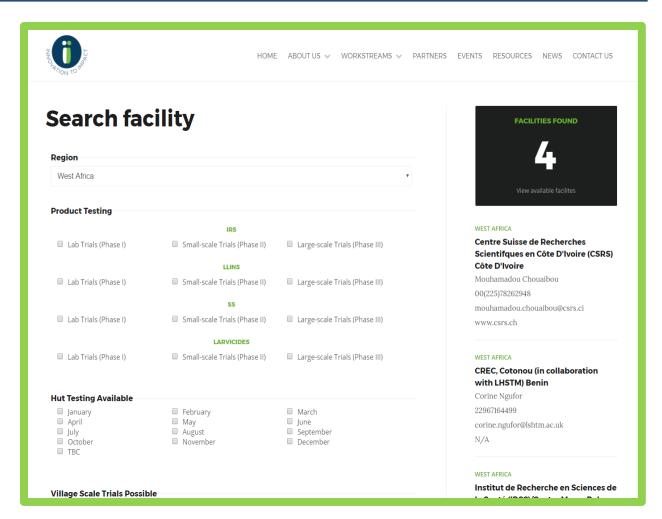


Hosted on I2I website

Interactive search facility for companies and CROs

Provides
information on: site
capacity and
features; overview
of progress towards
GLP compliance

Updated quarterly



GLP workstream: Best Practice SOPs (1/2)



Objective:

 To produce a comprehensive list of GLP Best Practice SOPs for the laboratory testing of vector control products focusing on SOPs for the testing of LLINs, IRS, space sprays and larvicides

GLP workstream: Best Practice SOPs (2/2)



Milestone	By When	Status	Comment
Lead consultant hired	Jan		Complete
Existing SOPs collated where possible from testing sites	Mar		Complete
Expert Panels convened for IRS, LLINs, SS and Larvicides	Apr		Complete
IRS and LLIN SOPs sifted and duplicates removed	Apr		Complete
SS and Larvicide SOPs sifted and duplicates removed	Apr		Lack of SOPs available
Composite Best Practice identified	May		Complete
SOPs for IRS and LLINs reviewed by panels	May		In progress
Conflicting panel guidance resolved by workstream	Jul		If necessary
IRS and LLIN SOPs finalised and shared	Aug		On track
SS and Larvicide SOPs finalised and shared	Aug		Requires action

Due to lack of SOPs available, change to project scope required in order to write comprehensive SOPs for larvicides and space sprays, rather than build on existing ones.



Team

Fred Yeomans (121)

Graham Small (IVCC)

Alex Wright (LSHTM/Consultant to 121)

Timeline

Start Date: January 2017

Proposed End Date: September 2017

Aim

To compile a set of best practice insecticide-testing SOPs for Phase I and II IRS, LLIN, Space Spray, and Larviciding



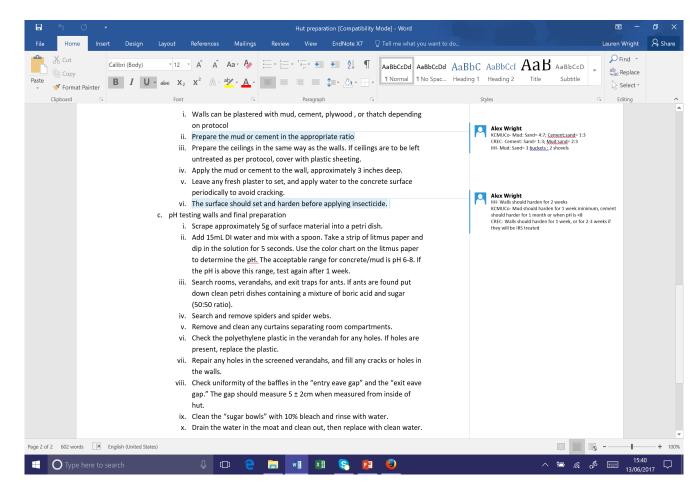
- Step 1- Contact multiple institutions to gather SOPs for insecticide testing
- Step 2- Gather SOPs from all institutions and started grouping them into categories (LLIN or IRS, Phase I or Phase II)





 Step 3- Compare SOPs of each technique from each institution and compile into 1 SOP, taking into account WHOPES Guidelines

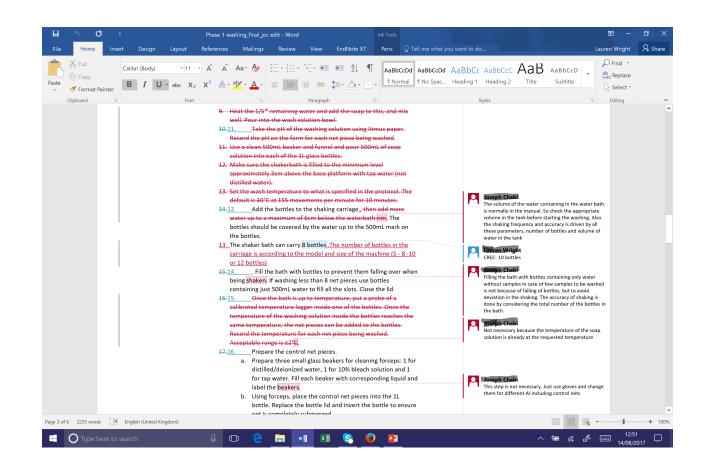
 Step 4- Send final compiled SOP out to Expert Panel members for comment





 Step 5- Compile comments back from Expert Panel members and revise into final version of SOP (current stage)

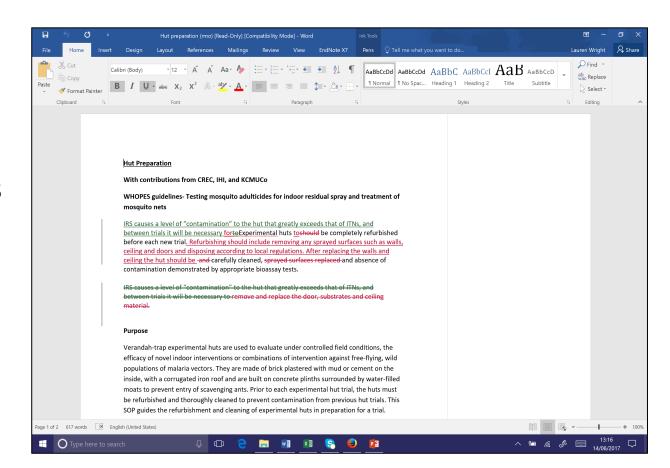
 Step 6- Expert panel areas of difference will be resolved after GLP Workstream discussion (July/August 2017)





Observations/Conclusion

- Larviciding and Space Spray SOPs difficult to compile
- Panel members sometimes commenting on WHOPES guidelines as well as SOP techniques
- Techniques can vary widely between sites
- In the first instance, areas that still need clarity will be taken to the GLP Workstream for consideration in July/August 2017



GLP workstream: Site Sustainability (1/2)



Objectives:

- Identify the key barriers to sustainability faced by the GLP testing sites, both shared and individual
- Identify ways in which these barriers may be addressed so that the sites
 can be supported to plan and adapt their business operations to maintain
 sustainability in the market after achieving GLP compliance.

GLP workstream: Site Sustainability (2/2)



Milestone	By When	Status	Comments
Hire consultant	May		Complete
Consultation to agree action plan	Jun		In progress
Prepare survey	Jun		On track
Review survey	Jun		On track
Consult with industry reps	Jul		On track
Sensitise sites	Jul		In progress
Final review survey	Jul		On track
Submit survey	Jul		On track
Review, collate completed surveys	Aug		On track
Review survey results	Aug		On track
Key informant interviews with sites	Sep		On track
Review interviews	Sep		On track
Final written report	Oct		On track

GLP workstream: Capacity Forecasting Tool (1/2)

Objectives:

- 1. Develop a tool which allows GLP testing sites to provide a snapshot of their capacity, projected over an annual period
- 2. Use an aggregate picture to identify bottlenecks and slack across the sites

GLP workstream: Capacity Forecasting Tool (2/2/2014)

Milestone	By When	Status	Comments
Review getting data from WHO	May		Method not feasible
Review getting data from industry	May		Method not feasible
Review getting data from sites	May		Method most accessible
Workstream to review	Jun		Delayed
Discuss with testing sites	Jul		On track
Develop tool	Aug		On track
Pilot tool	Sep		On track
Amend and launch tool	Oct		On track
Quarterly updates begin	Q1 '18		On track

GLP Workstream View on New WHO System

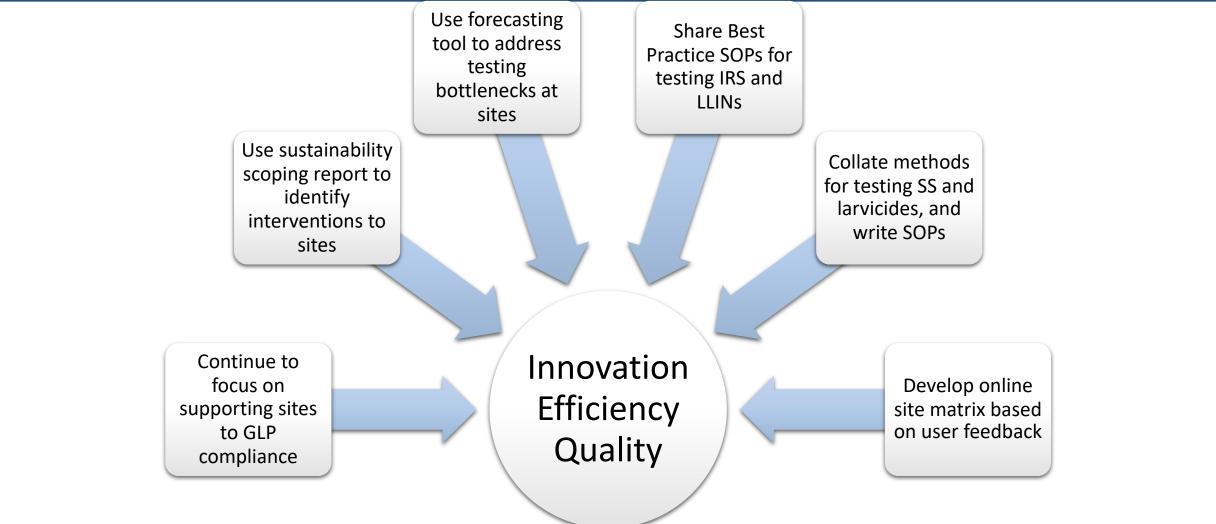


• To be finalised on afternoon of convening Day One in workstream breakouts, but suggested topics are:



GLP workstream: Future Priorities





GLP workstream: Future Priorities



Questions to consider in workstream breakout group (afternoon of convening Day 1):

- Do you envisage additional areas of focus?
- Have some issues become obsolete?
- Do you have the right membership to reach these goals?
- Are there areas where input from other stakeholders is required?
- Do you see the need to a new/more focused group to address a particular issue?



GLP workstream: Other Questions to Consider in Breakout Session



- What is cost of GLP vs old system (actual cost vs cost/benefit)?
- Are data ownership issues resolved by conducting trials to GLP...what is current experience in PQ?
- Are conflict of interest issues resolved (real/perceived)... what is current experience in PQ?
- Analytical capacity ... (Gembloux can be a rate limiting step) ... there are plenty of GLP labs out therecan we use them now, do these need to be on a pre-approved list or is this decided at dossier submission stage (etc)?
- When will SOPs on Phase III studies be developed?

