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Welcome and Opening Address: OIE Sustainable Laboratories Initiative

OIE Seminar, ISWAVLD 2019
21 June 2019
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What is
sustainability?



sus·tain·a·bil·i·ty


/səˌstæneɪˈbɪləti/

noun

the ability to be maintained at a certain rate or level.
"the sustainability of economic growth"

- avoidance of the depletion of natural resources in order to maintain an ecological balance.
"the pursuit of global environmental sustainability"

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**OIE CONSULTATION
ON SUSTAINABLE
LABORATORY
BIOSAFETY &
BIOSECURITY**

OIE Headquarters
Paris, France
1-2 March 2018



http://www.oie.int/fileadmin/Home/eng/Our_scientific_expertise/docs/pdf/OIE_sust_labs_report_final.pdf

http://www.oie.int/fileadmin/Home/eng/About_us/OIENews/NL%202018-06-lab%20sustainability.pdf?utm_source=World+Organisation+for+Animal+Health+%E2%80%93+OIE+Bulletin&utm_campaign=5dea2ba4c1-EMAIL_CAMPAIGN_2018_06_13_08_26&utm_medium=email&utm_term=0_7694a173d115dea2ba4c1-36136279

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**In collaboration with Chatham House and WHO
OIE CONSULTATION ON SUSTAINABLE LABORATORY BIOSAFETY &
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1-2 March 2018**

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Guiding Principles of Sustainable Laboratory Biosafety and Biosecurity

Sustainable Laboratory Biosafety & Biosecurity

01

Biosafety & Biosecurity

02

Resource Sustainability

03

Operational and Engineering Solutions

04

Innovation

05

Quality Management Systems

Consultation Conclusions

The adoption of risk-based and evidence-based approaches will make a positive contribution to sustainable laboratory biosafety and biosecurity



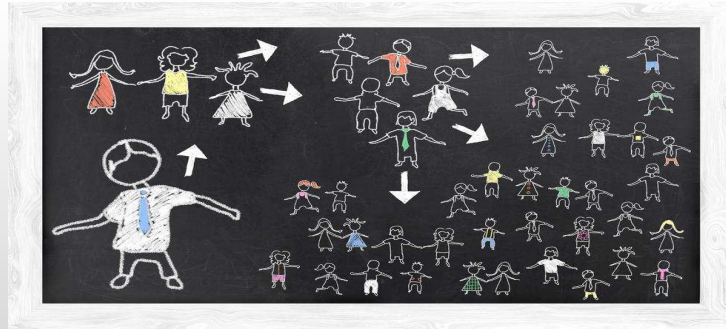
Consultation Conclusions



Laboratory facilities including their infrastructure, engineering, and flexibility of design must be 'fit for purpose' and thus adapted to the local context and risks

Consultation Conclusions

Sustainability will be improved by networking and sharing of information and best practices at all levels (local, national, regional, and international)



Consultation Conclusions

Creative and open-minded thinking and innovation are key to improving laboratory sustainability.

This includes reframing the problem, satisfying basic needs, and reasoning around the functions of the laboratory



Consultation Conclusions



A sustainability strategy must also consider sustainable approaches to education, training and retention of competencies

Consultation Conclusions



A functioning, appropriately resourced laboratory contributes to prosperity, stability and security at a national, regional and global level

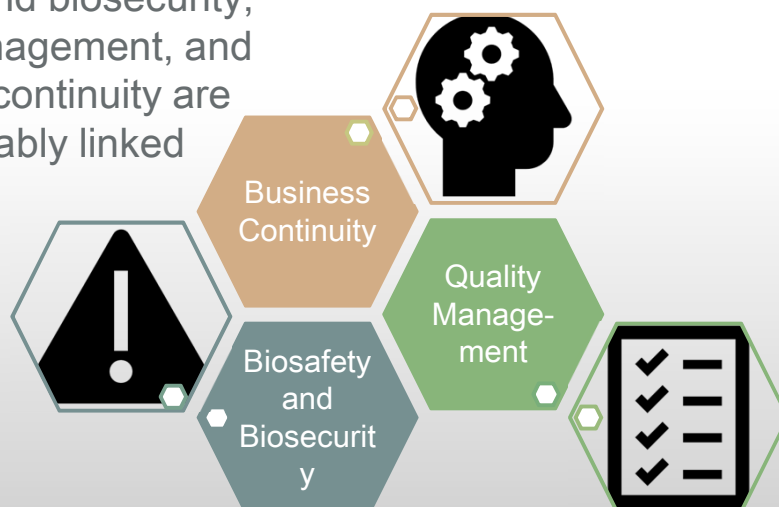
Consultation Conclusions

Political buy-in, governance of laboratories, and empowerment of laboratory staff are key to the sustainability of a laboratory



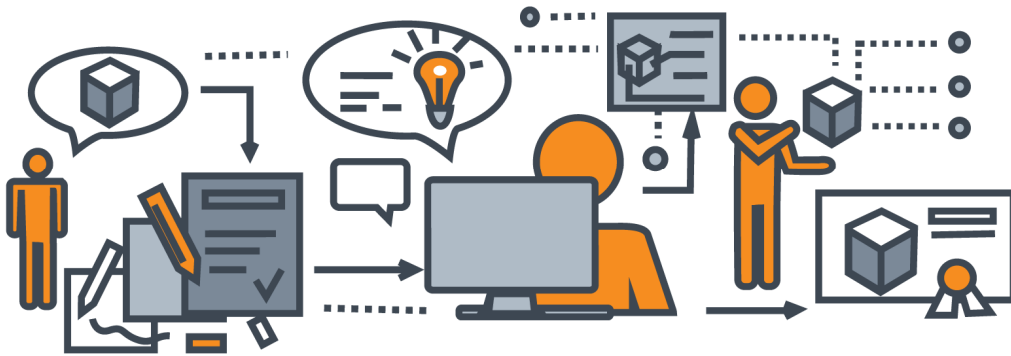
Consultation Conclusions

Sustainability of laboratory biosafety and biosecurity, quality management, and business continuity are inextricably linked

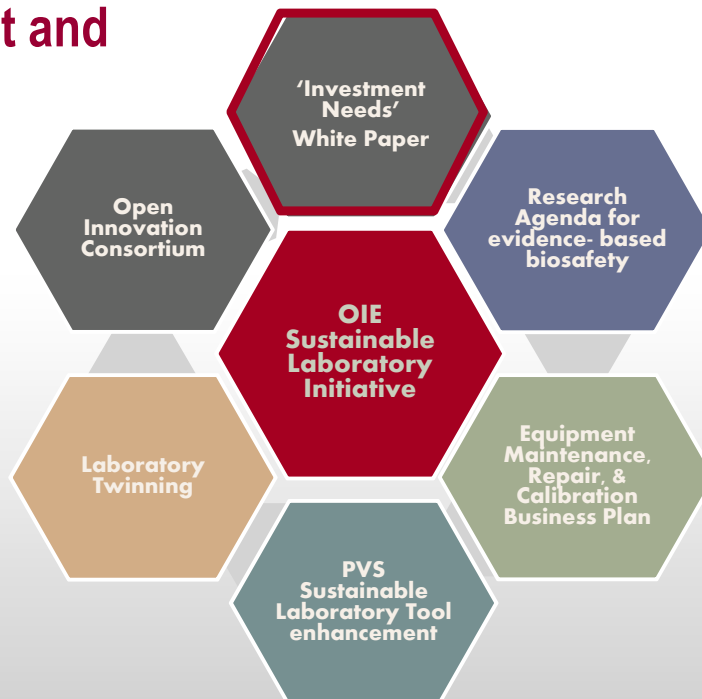


Consultation Conclusions

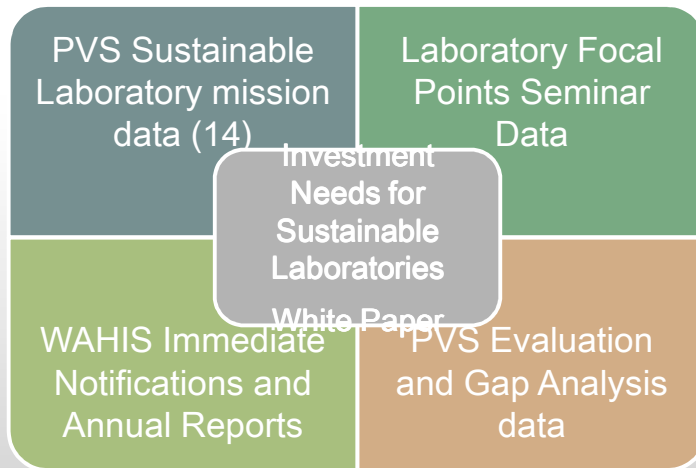
Business models for sustainable laboratories and capacity building benefit from utilising private-public-partnership models, which engage private sector users and suppliers



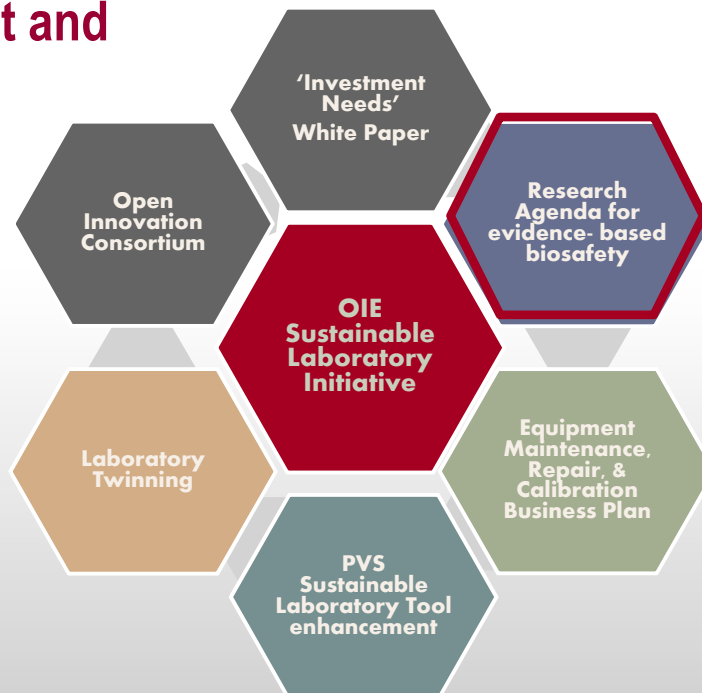
Present and Future



Investment Needs for Sustainable Laboratories



Present and Future



Research Agenda on evidence-based laboratory biosafety



Need to establish an evidence base for biosafety measures adapted to low-resources settings



Based on local risk assessment



Local adaptation taking account of requirements, standards and restrictions

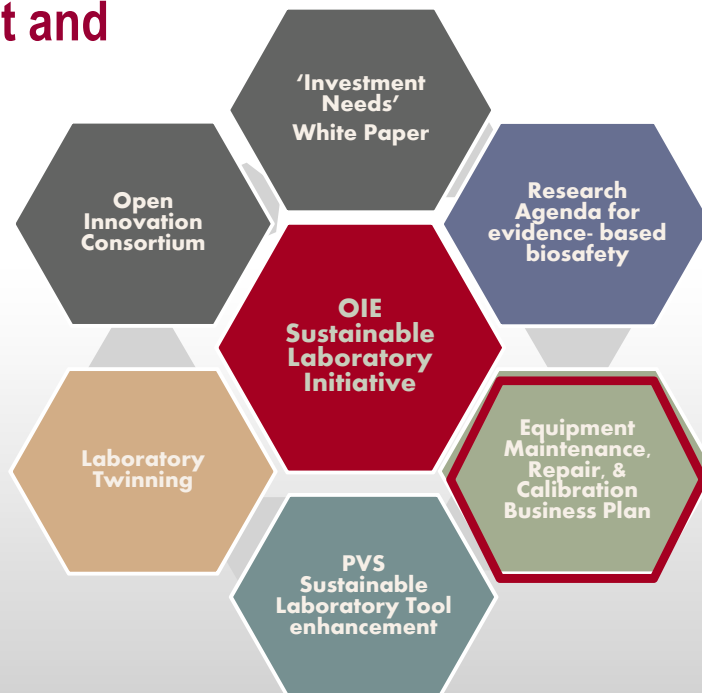


Workshop to be hosted by OIE and WHO

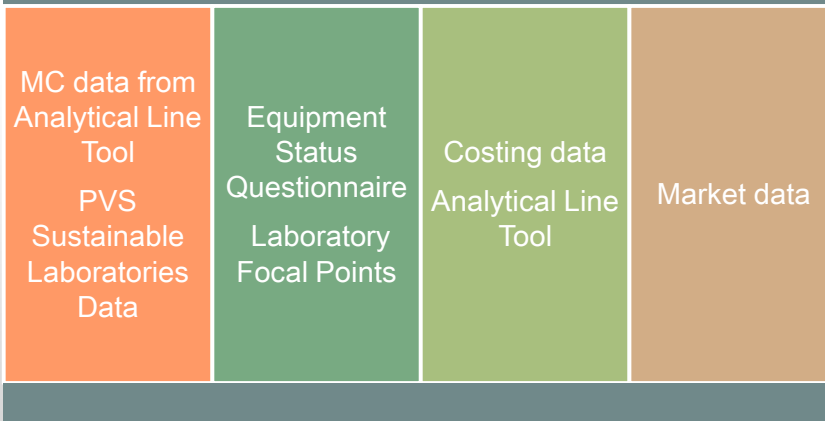


Call for proposals will be held to undertake priority activities retained

Present and Future



Equipment Maintenance, Repair, & Calibration Business Case



Present and Future

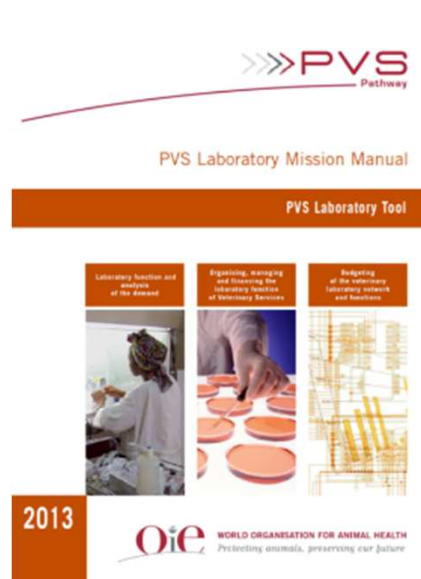


Sequence in PVS Pathway and Target Audiences

- Can come **after**:
 - A PVS Evaluation
 - A PVS Gap Analysis
 - A PVS Follow-up Evaluation

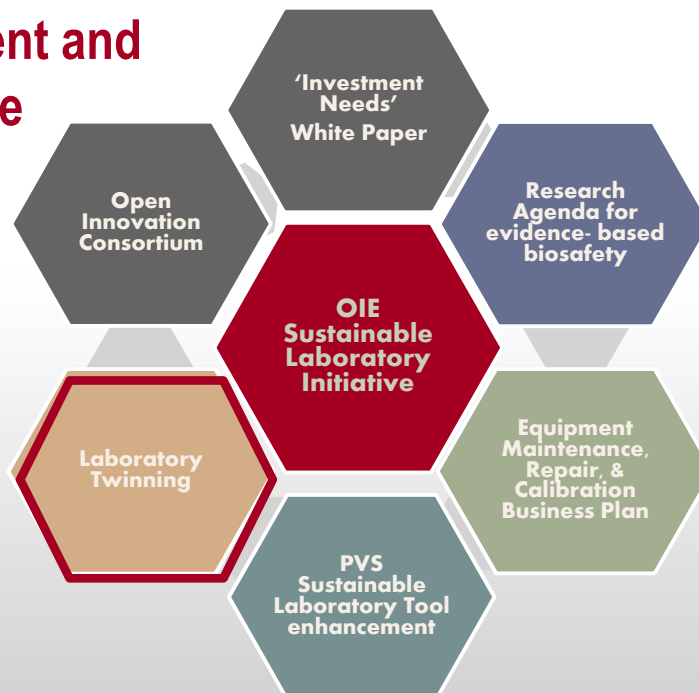
AND/OR

- Can accompany a **Laboratory Twinning Project** or other **technical support for laboratories**
- Can be requested by an **OIE Reference Centre** to assist in determining the budget of **implementation of TORs**
- Can assist **Members and Donors** to determine the appropriate **operating budget to accompany investments**



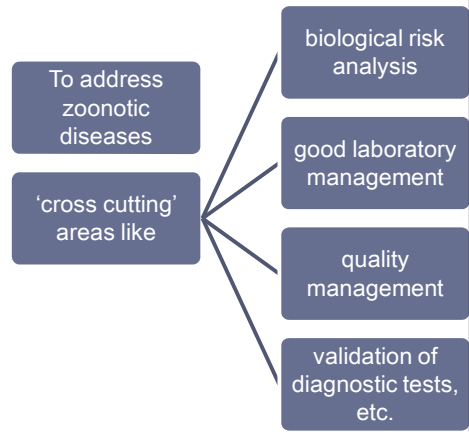
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Present and Future

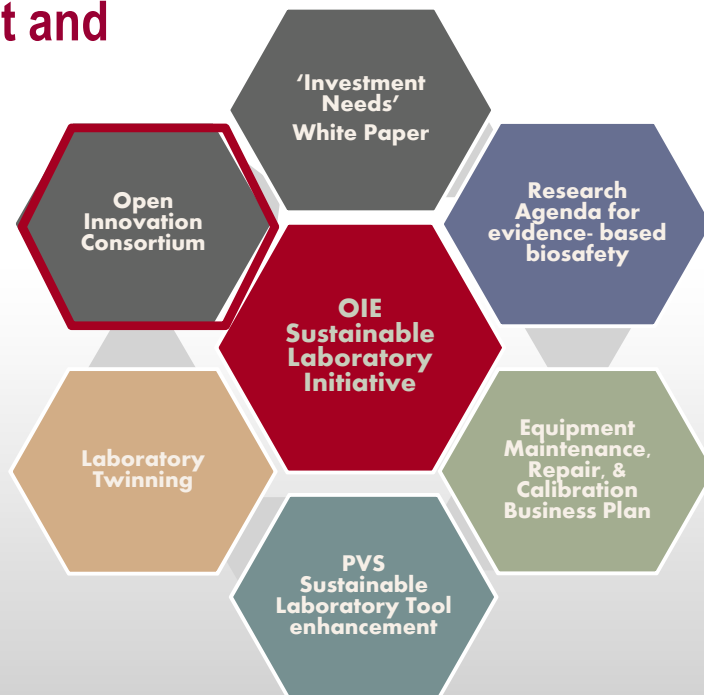


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Laboratory Twinning



Present and Future



Open Innovation

- Two options:
 - An Innovation Challenge – a focused contest looking for specific technology or engineering solutions to fix common priority sustainability problems
 - A Grand Challenge – a more ambitious ‘strategy’ which would take a holistic approach and aim to address a range of issues across lab design, skills and competencies, operations, and policies.
 - much larger, more ambitious project, run in 3 phases (the second of which would involve several innovation challenges) and has greater impact
- A single engineering fix is unlikely to solve lab sustainability entirely
- Socialization and commitment of multiple partners stage (end-users, donors, innovators, ‘champions’) in the form of a consortium.

Next Steps

- Heightened level of activity through end 2021
- Consultation on Sustainable laboratory biosafety and biosecurity target end 2021
- Call for innovation, sustainable solutions to low-resource settings challenges
- See you in 2021!

SEE YOU
IN 2021!

Thank you



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