



**Asia-Pacific  
Economic Cooperation**

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2015/SOM3/CD/WKSP/019

## **Biotic Ligand Model Application in the United States**

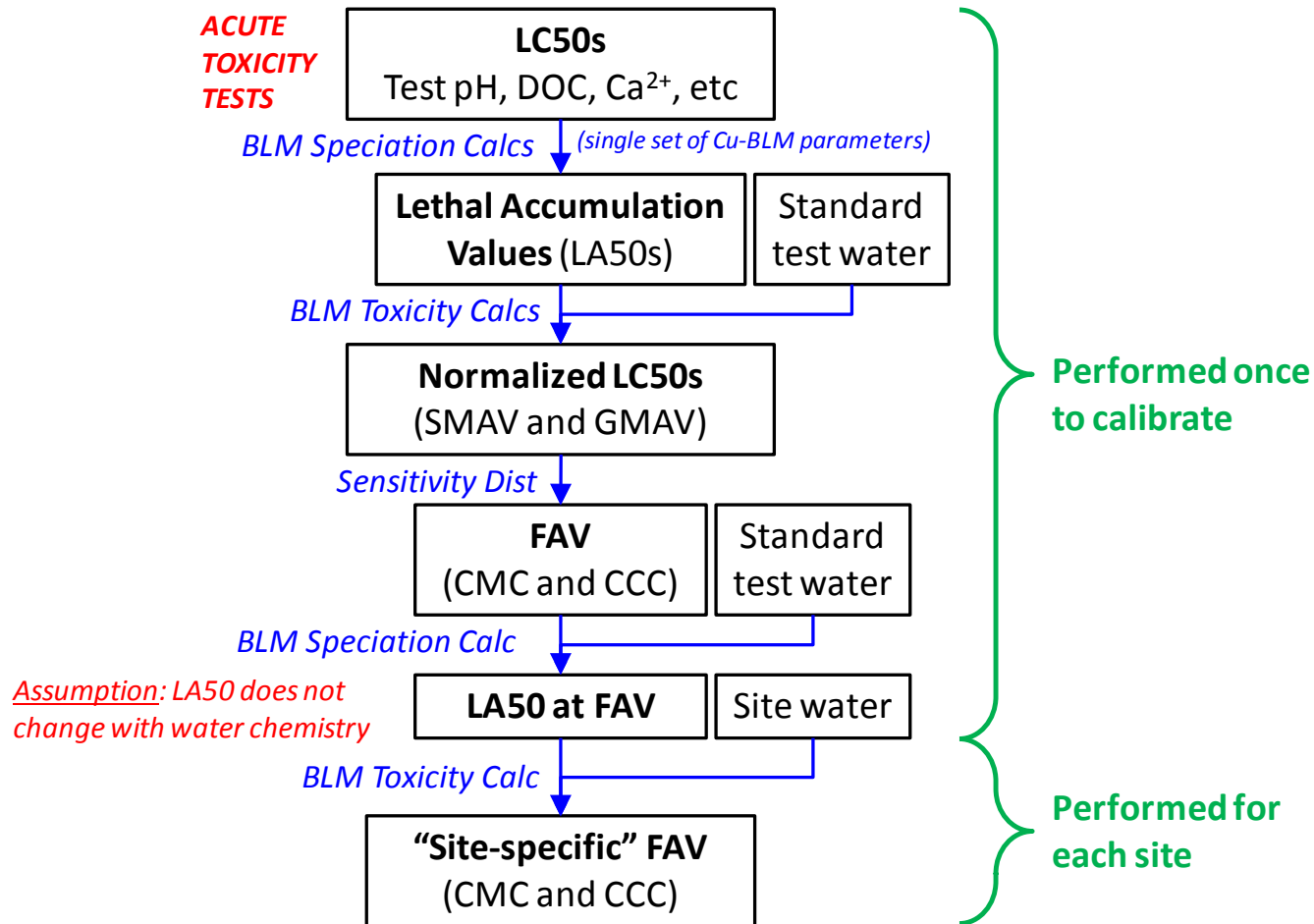
Submitted by: Australia



**APEC**  
PHILIPPINES  
2 0 1 5

**Workshop on Metals Risk Assessment  
Cebu, Philippines  
28-29 August 2015**

# BLM Application in the USA



# BLM Application in Europe

**CHRONIC  
TOXICITY  
TEST**

**NOECs (or EC10s)**  
Test pH, DOC, Ca<sup>2+</sup>, etc

*BLM Speciation Calcs* (separate Cu-BLM parameters for daphnids, fish, and algae)

**Lethal Accumulation  
Values**

Site  
Water

*BLM Toxicity Calcs*

**Site-specific NOECs**  
(Species Mean NOECs)

*Sensitivity Dist*

**PNEC**  
50% LCL of 5-percentile SM-NOEC

**Performed for  
each site**