Workshop: Pesticide Exposure Assessment Paradigm for non-*Apis* bees

Dates: January 10-January 12, 2017
Location: First Floor Conference Room, One Potomac Yard South Building, 2777 South Crystal Drive, Arlington, VA (USA)

DAY 1: TUESDAY January 10th, 2017

7:30	Arrival for Security Check-In & Workshop Registration – ***Please note that this process can be drawn out. Bring your US ID /Passport to access to the federal building;*** **all international participants MUST have their Passport**
8:30	Welcome: introductions, overview and meeting goals
9:00	Workshop expectations: a Regulatory perspective
9:30	Workshop expectations: an Industry perspective
10:00	Presentation: biology and life history traits of solitary bees
10:30-10:45	Break
10:45	Presentation: biology and life history traits of social non-*Apis* bees: bumble bees
11:15	Presentation: biology and life history traits of social non-*Apis* bees: stingless bees
11:45-12:45	Lunch
12:45	In addition to honey bees, what are the other potential surrogate species: solitary bees, bumble bees and stingless bees (30' presentation + 30' panel discussion)
1:45	Routes of exposure to pesticides for honey bees vs. candidate solitary bees, bumble bees and stingless bees (30' presentation + 30' panel discussion)
3:15-3:45	Break
3:45	Levels of exposure to pesticides for honey bees vs. candidate solitary bees, bumble bees and stingless bees (30' presentation + 45' panel discussion)
End Day 1: 5:00 PM	

DAY 2: WEDNESDAY January 11th, 2017

7:30-7:45	Arrival for Security Check-In – ***Please note that this process can be drawn out. Bring your US ID /Passport to access to the federal building;*** **all international participants MUST have their Passport**
8:30	Wrap up day 1
10:30-10:45	Break
10:45	**Session 1**: Are the current exposure routes and estimated exposure levels for honey bees adequate for assessing exposure for solitary and social bees (*i.e.*, do they safeguard all bees?) If not, what are the weaknesses, and can they be addressed? What are the specific knowledge gaps?
11:45-12:45	Lunch
12:45	**Session 2:** If not honey bees, or not only honey bees, what gains and challenges are there from using social non-*Apis* bees (bumble bees and/or stingless bees) and/or solitary bees in pesticide risk assessment? Are such data needed for all chemicals or only under specific circumstances (*e.g.*, where honey bees fail)? In all or only in specific tiers of the risk assessment (*e.g.*, at higher tiers or levels of biological organization (colony/population level))? What are the specific knowledge gaps?
3:15-3:45	Break
3:45	**Session 3:** If social non-*Apis* bees and solitary bees are necessary for pesticide risk assessment, which bee(s) make the most sense to cover? What are the specific knowledge gaps?
End Day 2: 5:00 PM	

DAY 3: THURSDAY January 12th, 2017

7:30-7:45	Arrival for Security Check-In – ***Please note that this process can be drawn out. Bring your US ID /Passport to access to the federal building;*** **all international participants MUST have their Passport**
8:30	Wrap up day 2
10:30-10:45	Break
10:45	Research needs and identify contributors to *1)* developing any new techniques/protocols *2)* writing summary proceedings/forum documents to share with team and for publication *3)* need for Workshop II?
11:45-12:45	Lunch
12:45	Major Conclusions
End Workshop: 3:30 PM	