Cefic LRI – Concawe Workshop on recent developments in science supportive to the persistence/biodegradation assessment
27 Sept 2018 – Helsinki

Objective:
Discuss results from recent and ongoing research (Cefic LRI, Concawe, ECHA), and consider how the results of these projects could be used to improve persistence assessment of chemicals

09:00 – 09:20	**Introduction from co-chairs (Graham Whale, Shell; MSC rep - TBC) *20 min*** Towards an improved understanding of persistence in the 21st Century Outcome of ECETOC 2012 workshop 'Assessing Environmental Persistence, Nov 2012, Paris' Objectives of the day
09:20 – 09:40	**ECHA presentation from a regulatory point of view Title and presenter TBC *20 min***
09:40 – 10:00	*Coffee break*
10:00 – 11:45	**Session 1: Role of microbial community in degradation testing (adaptation, variability, growth and cometabolism) [Moderator - Kees van Ginkel, Akzo Nobel] *Each presentation = 15 min*** a. ECO 11: Ring test to revise the marine biodegradation screening test (incl. discussion of formation of support network for OECD 306 TG revision) **Russell Davenport, Newcastle University** b. ECO 29: Application of chemostat systems to include adaptation of microbial communities in persistency testing **John Parsons, University of Amsterdam** c. DTU/Concawe project: Investigating the influence of mixture & concentration effects on biodegradation kinetics **Rikke Hammershoj, Technical University of Denmark (DTU)** d. Overview presentation **by moderator** on key issues around theme fed from the 3 presentations, followed by 45 min Q&A/discussion with all presenters
11:45 – 12:45	*Lunch*
12:45 – 14:00	**Session 2: Impact of environmental factors on bioavailability and degradation [Moderator - Russell Davenport] *Each presentation = 15 min*** a. ECO 31: Identifying strategies that will provide greater confidence in estimating the degradation rates of organic chemicals in water, soil, and sediment Presenter TBC b. ECO 32: Environmental risk assessment of poorly soluble substances: Improved tools for assessing biodegradation, (de)sorption, and modelling **Felix Stibany, RWTH Aachen University** c. Overview presentation **by moderator** on key issues around theme fed from the 2 presentations, followed by 30 min Q&A/discussion with all presenters
14:00 – 14:15	*Coffee break*
14:15 – 16:00	**Session 3: Interpretation of the OECD simulation test results and identified challenges [Moderator - Kathrin Fenner, Eawag] *Each presentation = 15 min*** a. ECO 18: Identifying limitations of the OECD water-sediment test and developing suitable alternatives to assess persistence **Kathrin Fenner** b. Fraunhofer/Concawe project: Limitations of OECD 307 and OECD 309 and recommendations for enhancements **Dieter Hennecke, Fraunhofer IME** e. DTU/Concawe project: Alternative testing methods for OECD 309 **Philipp Mayer, Technical University of Denmark (DTU)** c. Overview presentation **by moderator** on key issues around theme fed from all presentations, followed by 45 min Q&A/discussion with all presenters
16:00 – 16:45	**Overview of key outcomes from all discussion sessions and closing remarks/next steps [Moderators - Graham; MSC rep – TBC)**

Posters:
ECO 42 – UVCB fate-directed toxicity testing and risk assessment (UVCB-FATETOX)
DTU/Concawe project – Temperature variability
EMBSI project – Full UVCB substance degradation
Concawe/Sheffield University project
OECD 306 ring test

Informal feedback opportunity during breaks – 'Shy wall'
Questions/thoughts via pinned post-its

Registrations to the Workshop can be made at the following link:
http://cefic-lri.org/events/cefic-lri-concawe-workshop-on-recent-developments-in-science-supportive-to-the-persistencebiodegradation-assessment/