

Category 4 Screening Levels Phase 2 - Update

Simon Firth

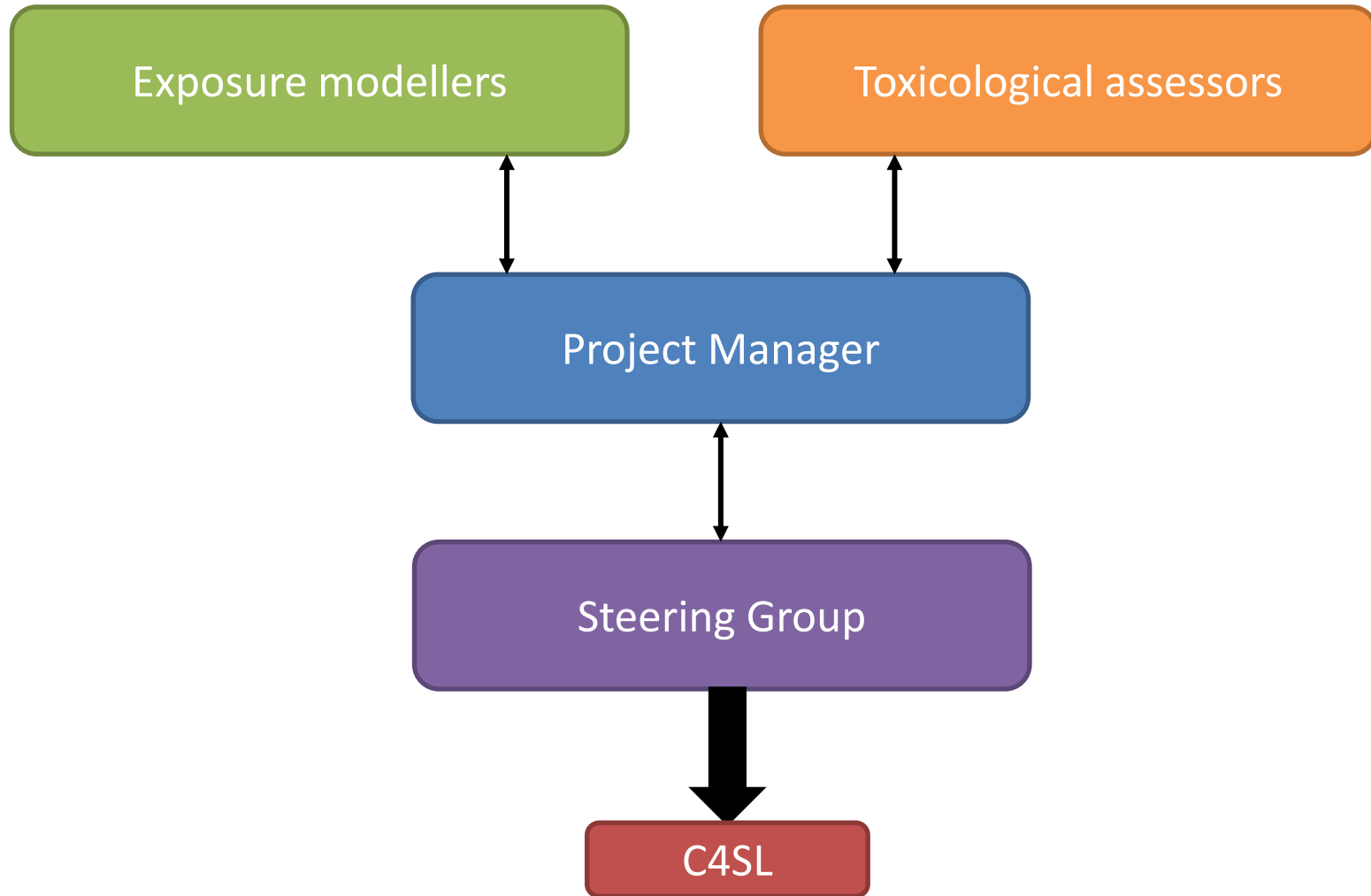
SoBRA / RSC Toxicology Group Conference

Wednesday 16th December 2015

Production of Further C4SL's

- Aim to produce C4SLs for ~50 (TBC) other compounds
 - C4SL Phase 2 but simply known as C4SL
- Terms of Reference:
 1. All outputs completely unrestricted and freely available
 2. Open, inclusive and transparent working
 3. Knowledge transfer of exposure and toxicological processes to wider industry
 4. Efficient and timely working
 5. To support production of more C4SLs in line with Framework and Policy and not to have debate over their use and/or existence

Project team



Steering Group Members

- DEFRA
 - WA
 - PHE
 - PHW
 - EA
 - NRW
 - HCA
 - SAGTA
 - SoBRA
 - NHBC
 - EPUK
 - AGS
 - EIC
 - 4 x LA (Flintshire, Leeds City, Mole Valley, Lancaster)
- SG shall oversee the production of further C4SLs, ensuring consistency and agreement with the provided Framework and Policy
 - SG shall seek decisions through consensus or where there is no consensus, through a simple majority vote
 - Consequently the views and opinions of individual member organisations or experts may differ from the formal position of the SG

Project Manager

- Tenders submitted September 2015
- Consortium of Nicola Harries (CL:AIRE), Simon Firth and Naomi Earl chosen to be project manager
- PM duties:
 - Arrange workshops
 - Manage work of exposure modellers / toxicologists
 - Manage preparation and finalisation of deliverables
 - Attend SG meetings

The Workers

- Toxicologists
 - Mixture of volunteers + paid expert toxicologists
 - Derive LLTC (where data allows), otherwise up-to-date minimal risk values
- Exposure modellers
 - Volunteers
 - Identify phys-chem parameters
 - Run CLEA model to derive C4SL

Consultation on contaminants

The top 10 from consultation:

	Open consultation (85 responses)	Restricted consultation (31 responses)
Naphthalene	✓	✓
Free cyanide	✓	✓
Mercury	✓	✓
Nickel	✓	✓
TPH fractions (priority to light end)	✓	✓
TCE		✓
Dibenzo(a,h)anthracene	✓	✓
Toluene	✓	
Xylenes	✓	
Complex cyanide	✓	
Vinyl chloride		✓
PCE		✓
Phenol		✓

Not
required

Not the final list

Consultation on contaminants

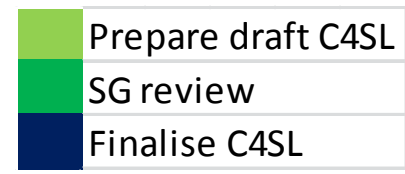
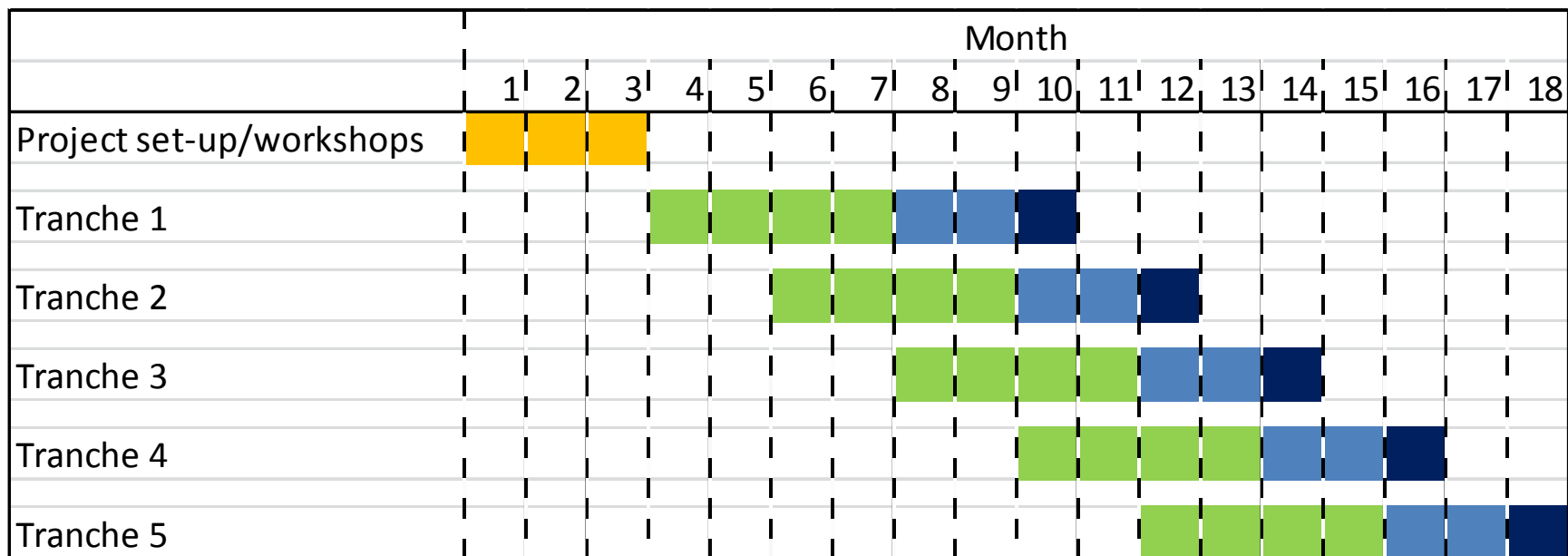
10-20:

Not
required

	Open consultation	Restricted consultation
1,2 Dichloroethane		✓
Benzo(a)anthracene	✓	✓
Benzo(b)fluoranthene	✓	✓
Benzo(k)fluoranthene		✓
Chrysene	✓	✓
Complex cyanide		✓
Dioxins, furans + dioxin like PCBs		✓
Ethylbenzene	✓	✓
Indeno(123)pyrene	✓	
Non-dioxin-like PCBs		✓
PCE	✓	
Phenol	✓	
Toluene		✓
Trichloromethane	✓	
Vinyl chloride	✓	

Not the final list

Project schedule



- Next steps:
 - Agree contaminants
 - Commission toxicologists
 - Arrange workshops

Closing notes

- Anyone interested in exposure modeller or toxicologist roles please contact Richard.Boyle@hca.gsi.gov.uk
- Funding already received from SAGTA, SoBRA , individual local authorities and consultants, but more always welcome!
 - The more money, the more compounds can be done