



ENVIRONMENTAL

Characterisation and management of the risks of EOCs

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Emerging organic contaminants (EOCs)

- Many definitions
 - Manmade or natural organic chemicals that are unregulated and for which there is a paucity of information on fate and effects
- List is continually evolving



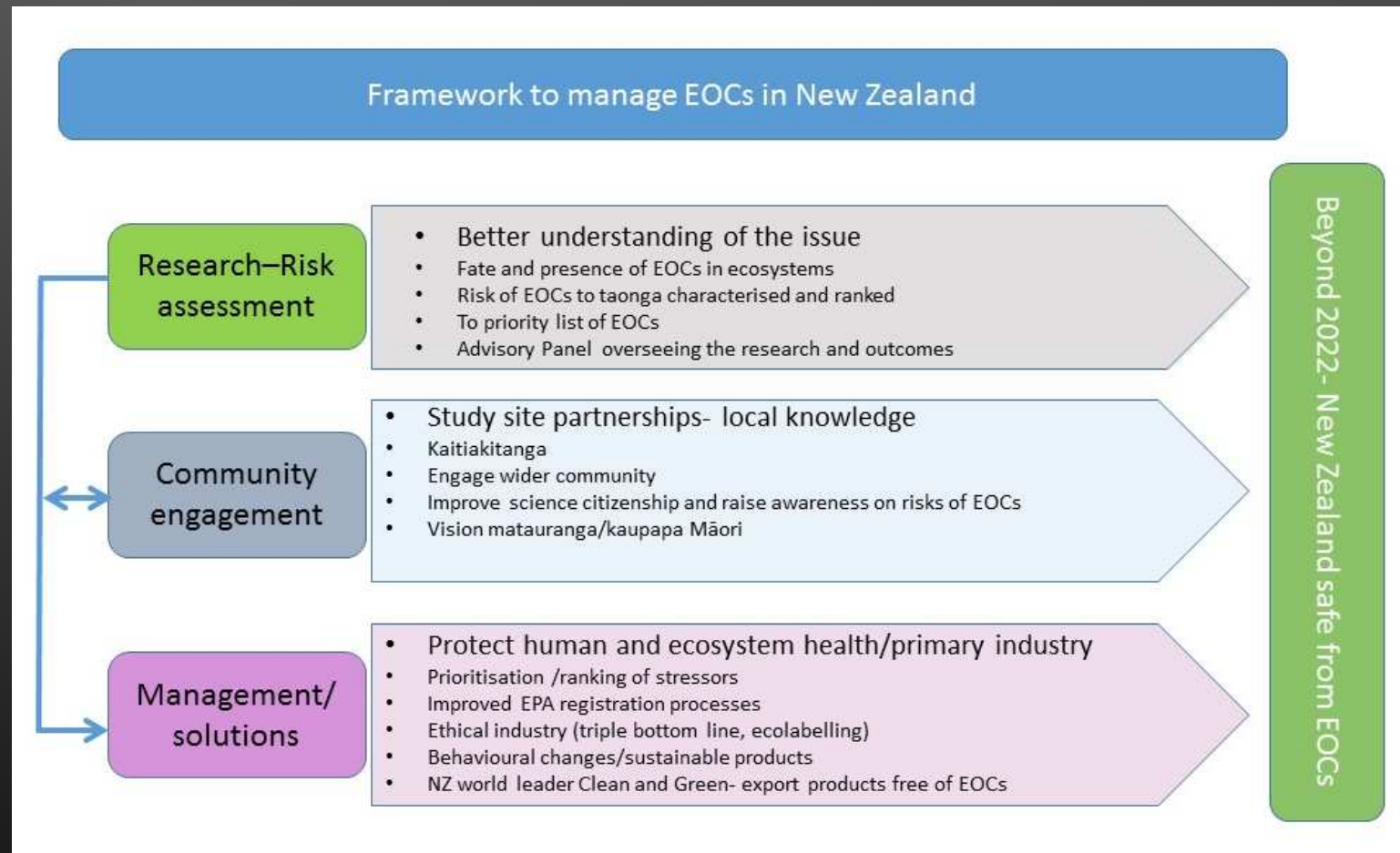
EOC initiatives in NZ

- ESR workshop (2009)
- Two reports for RCs on state of EOCs in NZ (2011, 2016)
- SETAC Global Horizon Prioritisation project (2015)
- RS-Catalyst workshop to develop a National Strategy (2016)
- Formed a National Advisory Panel (2017)
- Successful MBIE Endeavour 5-year funding (2017)
 - Two study sites
 - Whau (urban landuse)
 - New Estuary/Mataura (mixed landuse)

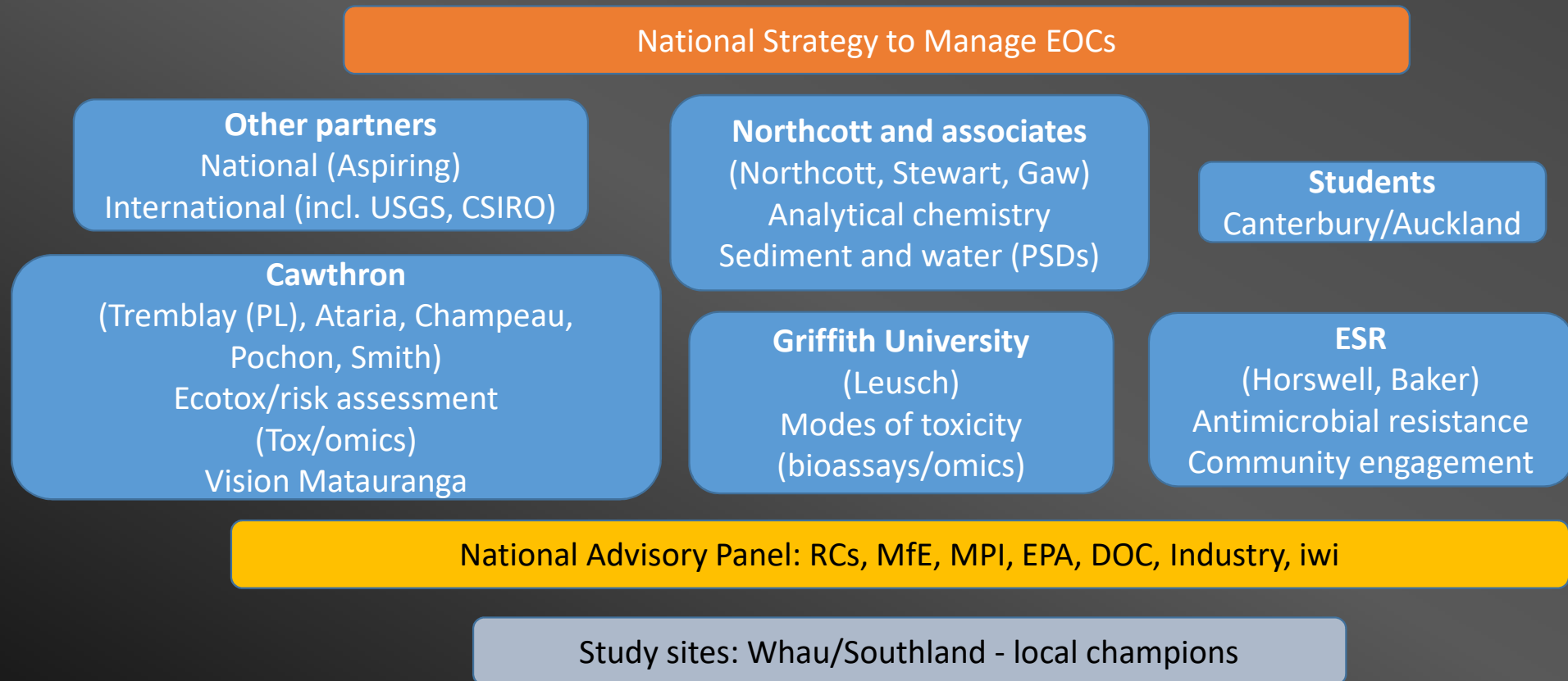
EOCs - a wicked problem

- Wicked problem
 - Complex (layered, intersecting issues or a symptom of other issues, multiple stakeholders)
 - Controversial - competing views, uncertainty, messy, changeable but also resistant to change, no one solution, evolving
- 'Wicked problems' require integration of different disciplines and expertise

Structure to manage EOCs



Project structure



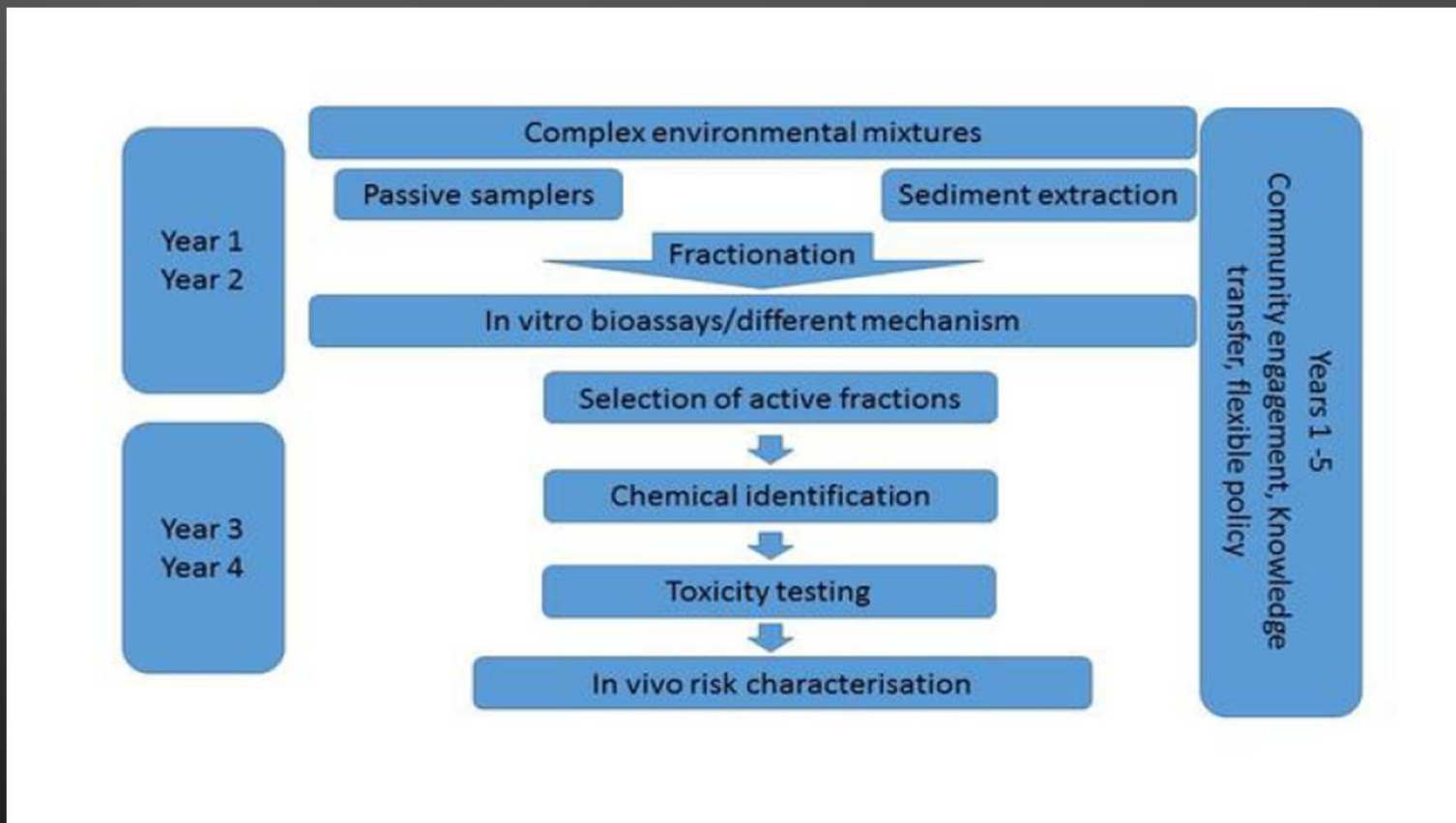
National Advisory Panel

- Jacqui Horswell (Chair, ESR)
- RCs: Graham Sevicke-Jones (Southland), Lesley Bolton-Ritchie (ECan), Claire Conwell (Greater Wellington), Anna Madarasz-Smith (Hawke's Bay), Matthew Taylor (Waikato), Marcus Cameron (Auckland Council)
- Central govt: Tipene Wilson (Chair, EPA Ngā Kaihautū Tikanga Taiao) Alice Bradley (MfE), David Weller (EPA, HSNO team), Dave West (DOC), Andrew Pearson (MPI)
- Industry: David Jones (Sanford)
- Other: Tim Harwood (Cawthron/the NZ Food Safety Science and Research Centre)

Study sites

- Local champion to contribute to research
- Community/iwi engagement at the outset (hui)
- Vision Maturanga
- Whau
 - Well studied urban site in Auckland
 - Establishing iwi support and a champion (via Ecomatters)
- New River/Mataura
 - Rural site with some urban influence
 - Significant iwi support already established

Timeline



Questions?