



You are invited

Input for UK AERIUS

Mark Wilmot
Wing Process Consultancy
UK AERIUS tool build team

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Overview

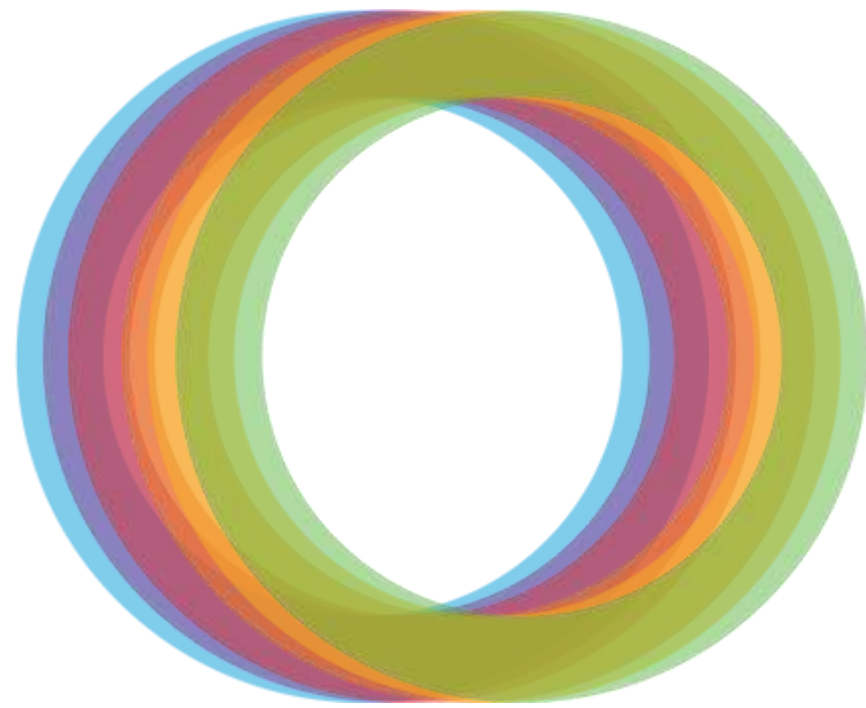
- ▶ Short introduction
 - ▶ Project goals
 - ▶ Project milestones
- ▶ Demonstration
- ▶ How to find out more

Departments and arm's length bodies



Project goals, derived from ITAPA

ITAPA (Integrating Tools for Air Pollution Assessment)

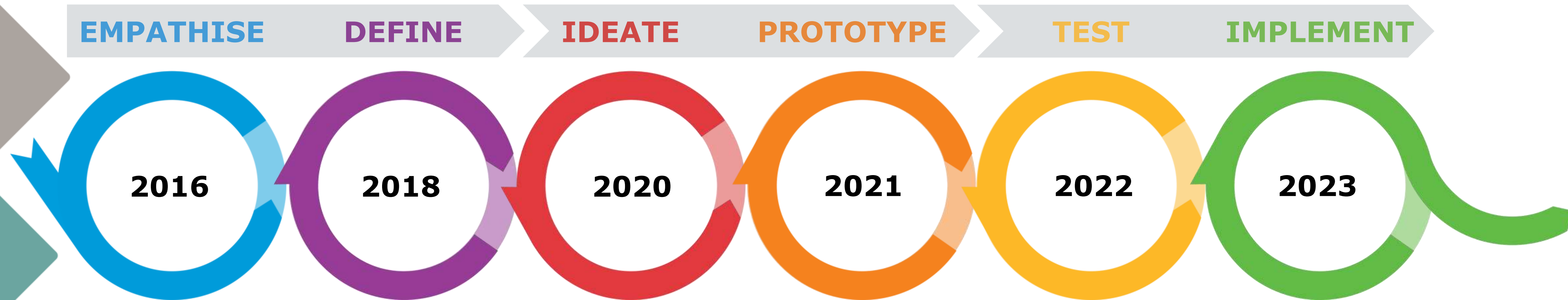


- ▶ Provide easy to operate, detailed air quality modelling
- ▶ Enriched visualisations for (ecological) impact assessments
- ▶ Easy to test mitigation options
- ▶ Aligned use of evidence
- ▶ Standardised and streamlined workflow for in-combination assessments
- ▶ Driver for data improvement, open data used to improve national reporting



Open Source License, NL and UK government

We're on quite a journey



Understand:

- ▶ AERIUS Discovery project
- ▶ ITAPA options appraisal
- ▶ Decisions across UK limited by caselaw

Explore:

- ▶ ITAPA AERIUS workshop
- ▶ User group sessions
- ▶ Technical Advisory Group
- ▶ AERIUS PoC with ADMS
- ▶ UK Tour

Materialise:

- ▶ Delivered AERIUS Pilot tool
- ▶ Compare to existing approaches
- ▶ Incorporate feedback
- ▶ "Go live" decision

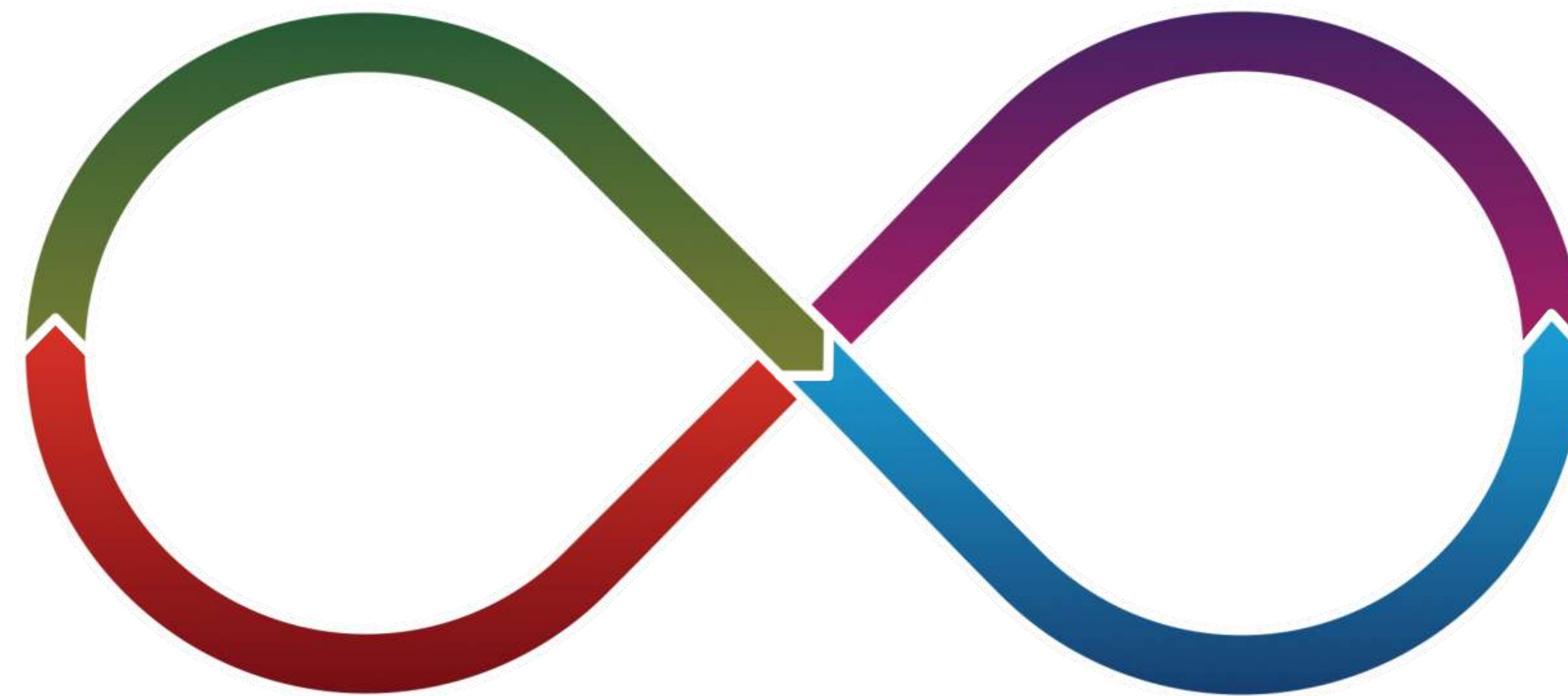
Planning ahead

Oct	Sprint 18	SCAIL and NOX/NO ₂ calculator
	Sprint 19	Release of Alpha version 2
Nov		Case study support
Dec		User research in-combination (IPC) archive (former Register)
		User research relation between PDF and IPC-archive
2023	Before summer	Private and Public Beta
	Go live decision Q4	UK AERIUS in production

The AERIUS 'eco-system'

Policy development and evaluation

Policymakers national/regional/local level



Monitoring

Knowledge institutes, arm's length bodies, protection agencies, NGO's and the general public

Granting permits, supervision and enforcement

Applicants, consultants, regulators, enforcers and appellants

Live demo



UK AERIUS Calculator

Quick Start Guide

UK AERIUS® Calculator calculates air quality impacts on protected natural areas. Models are used to calculate the air pollutant emissions as well as the subsequent air pollutant concentration and deposition levels from various sectors. For example, you can calculate the air quality impacts of the traffic associated with a new residential area. Or you can calculate the difference between an existing scenario on a farm and the changes associated with a planned expansion or renovation. You can then export the results of the calculation and use them in your permit application or planning process.

This quick start guide will help you navigate the main parts of the Calculator screens.

Please note

Not all browsers support all UK AERIUS functionality. To ensure full functionality of UK AERIUS Calculator, it is recommended to use Google Chrome or a Chromium based browser.

Getting involved

- ▶ Follow along on the JNCC website
 - ▶ <https://jncc.gov.uk/our-work/uk-aerius/>
- ▶ Sign up to the email list to be informed of upcoming events such as user research workshops
 - ▶ ITAPA@jncc.gov.uk