

# UK Air Pollution Assessment Service (UK APAS)

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Background & aims

What is UK APAS?

**UK APAS Calculator** 

**Collaborators & contributors** 

Get involved!

Live demonstration



# Overview



# Background & Aims





# Background & Aims



Update the UK's planning and permitting system with a streamlined, online tool based on the Dutch AERIUS service (www.aerius.nl).

Support consistent and quicker determination of applications with potential air pollution impacts on sensitive habitats.

Help provide greater understanding of the air pollution pressures on habitats and wildlife, and effects of individual emission reductions.



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# What is UK APAS?



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V Projects					Filters Downloa	d CSV Add proje
Upload date	Name	Regulatory body	Project type	In-combination distance	Part of background by	Use in IC assessments
Apr 9, 2024	testing	DAERA	*	5 km	2021	~
Mar 25, 2024	Example Farm AL	SEPA	*	10 km	2040	~
Mar 25, 2024	Example Farm AO	DAERA	*	10 km	2040	~
Mar 25, 2024	Random farm	SEPA	*	10 km	2040	~
Mar 25, 2024	Farm example TT	Environment Agency	*	10 km	2040	~
Mar 25, 2024	Example Farm	Shared Environmental Services	*	10 km	2040	~
Mar 25, 2024	Example Farm MAR	DAEDA		10 km	2040	~
Mar 25, 2024	Example Farm				2025	~
	In	UK	APAS	- Archivo		



# What is UK APAS?







Complete assessments in Calculator

Regulators store assessments in the **In-combination Archive**  Automatically include results from the **In-combination Archive** in in-combination assessments in **Calculator** 







7 25/04/2024





#### **Sources & inputs**





#### **Calculation settings**

IN-COMBINATION FORMAL Export calculation ASSESSMENT Custom Process assessment Quick Contribution run Cloud computing Scenario Calculation job









#### **Results**

CONCENTRATIONS Automated Hexagon receptor RECEPTORS identificaton Max. contribution Sub-receptors ARCHIVE NOX TO NO2 CALCULATOR





## **Collaborators & Contributors**

- Software developed as a collaboration between Dutch & UK Governments.
- Development guided by several UK Government departments and organisations.
- Online service being delivered by a collaborative consortium.

Department for Environment Food & Rural Affairs





Sustainability at the heart of a living, working, active landscape valued by everyone

Septo Septo Scattish Environment Protection Agency Widhean Dion Araineachd na h-Alba





NATURAI ENGLANI

CERC













UK Centre for Ecology & Hydrology

### Find out more & get involved

Questions, demonstrations, or to get involved in technical testing: <u>itapa@jncc.gov.uk</u>

More information on UK APAS and the Dutch AERIUS project: jncc.gov.uk/our-work/uk-air-pollution-assessment-service/

FAQs:

jncc.gov.uk/our-work/uk-air-pollution-assessment-service-ukapas-qa/







# Live Demo