

Air and Climate Policy Integration in Ireland



EnvEcon

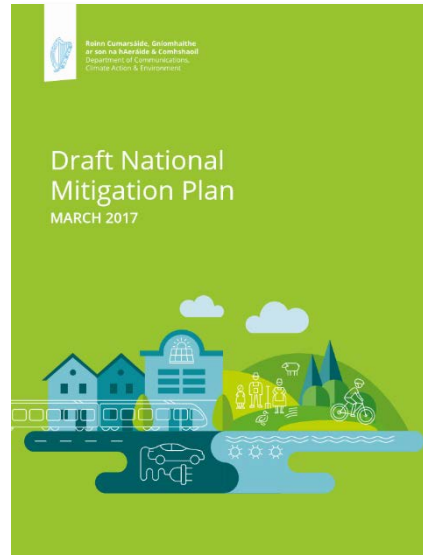
Decision Support

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Structure of Presentation



A Quick Update

National Mitigation Plan

Planned Progress



Section 1 A Quick Update

A Quick Update

Paper on Air Source Heat Pump Technology Potential

- Paper completed and published in **Energy Policy** - Kelly, Fu, Clinch (2016).
- High oil use for Irish home heating makes the measure valuable for climate and air.
- Displacing oil systems with ASHP seems a credible swap offering good savings.



Paper on Annual Average Daily Traffic Estimation

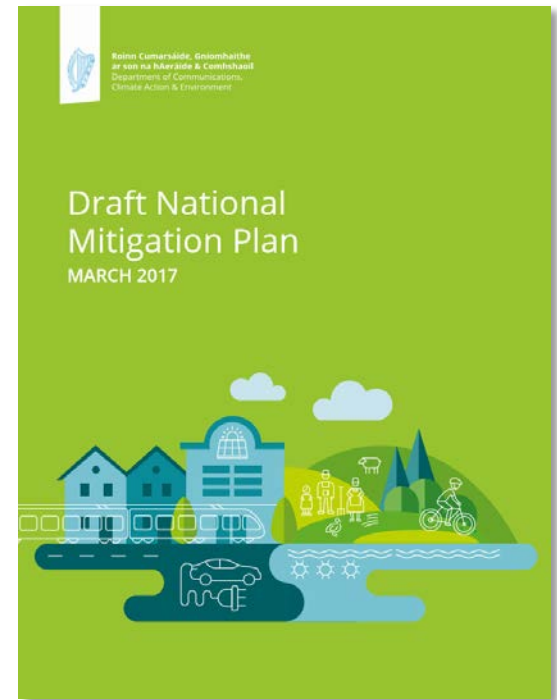
- Paper completed and published in **Journal of Transport Geography** – Fu, Kelly, Clinch (2017).
- Bottom-up methodology that can be used as another set of values.
- Next-gen data should render these approaches obsolete in time (but not just yet).



Report on Climate and Air Synergies

- Completed and served as precursor to project call.
- We won the call with our **partner NILU** on Conflicts of Climate and Air Policy – **CONAIR**.
- Two year project with focus on transport/diesel and residential/solid fuel use.





Section 2 N.M.P

Ireland – National Mitigation Plan

Ireland has established a **cross Departmental group to develop and manage** Ireland’s NMP.

Selected national Agencies and groups have also been selected to provide **input and support**.

The focus of the NMP is **Climate (NETS)** but Air is also under the same parent Department.

A **draft** was released in March and the “Plan” will be released in June.

The measures in the plan have been developed and proposed by **the ‘parent’ Departments**.

The initial plan will likely **fall short** of the requisite reductions.

We have offered a review and guidance for **strengthening the 2nd Plan**.

We will help to **develop the associated policy and measure research**.

EnvEcon pushing **“Better broad policies”** as opposed to “Climate policies”.



Observations – National Mitigation Plan

Coherence between individual Departmental analysis is often lacking.

Variations in **scope** of assessments and in certain **assumed parameters** have been identified.

National guidance in the form of **Public Spending Code** requires updating for such policy work.

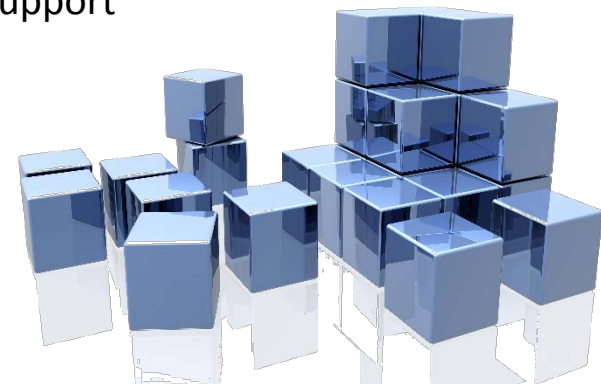
Often measures are evaluated **individually** and not as potential **packages** with synergies/trade-offs.

Policy evaluations need **rigorous integrated analysis** with **ranged time series** estimations of ...

- Emission Outcomes (Air and Climate)
- Exchequer Flow
- Private Costs and Benefits

These will at least allow us to **prioritise measures** for investment and support

Implementation will require a tailored **implementation plan**



Our Support – National Mitigation Plan

Developed a reporting structure for “policies and measures” in the plan.

Mix of qualitative information and quantitative time series data 2005 to 2035.

Structure sets out the information we **ideally need** to decide on policy actions.

Recognise that the **‘desired’ information** is far beyond what is generally produced.

Developing a dynamic **Policy Measures** database driven website to facilitate access.

Research plans are then to **align with national priorities** in terms of policy options.

These will focus **on residential, transport and the built environment**.

We will consider **not only to CO₂e** but also to air pollutants and broader impacts.





Section 3 Planned Progress

Planned Progress

- **Behavioural Economics**

Designing and communicating policies using insights from behavioural economics.

- **CONAIR**

Conflict of climate and air pollution policies with mitigation actions, dispersion and concentrations.

- **GAINS City**

Interested in collaborating with IIASA on the development of GAINS City for Dublin policy options.

- **Remote Working**

Paper on partial remote working – life, air, climate, economy outcomes...

- **Smokey Coal Ban**

Paper assessing a nationwide ban on smoky coal use in Ireland.

- **Car Purchase Modelling**

Updated and detailed car purchase modelling system.

New Policy Resource

- Developing a **New Policy Measures system** built around NMP content.
- **Building from what we learned** with the design and use of www.policymeasures.com
- New **database driven structure** will accommodate/**require greater quantitative** analysis.
- NMP **should** drive the development of enhanced quantitative policy analysis in Ireland.
- System will allow these to be presented with **dynamic charts and tables to explore the challenge.**
- This will facilitate the development of a **dynamic and accessible plan and more engagement.**
- **International** evidence and measures will also hopefully be incorporated in a less detailed fashion.
- **Simplified idea submissions** from researchers/public will also be enabled.
- This time we hope to have the **capacity to populate and progress** the system!



HAVE AN IDEA?

Do you have your own ideas for measures that you or your group think would be interesting, or indeed that you happen to be researching?

[SUBMIT NOW](#)

Contact

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