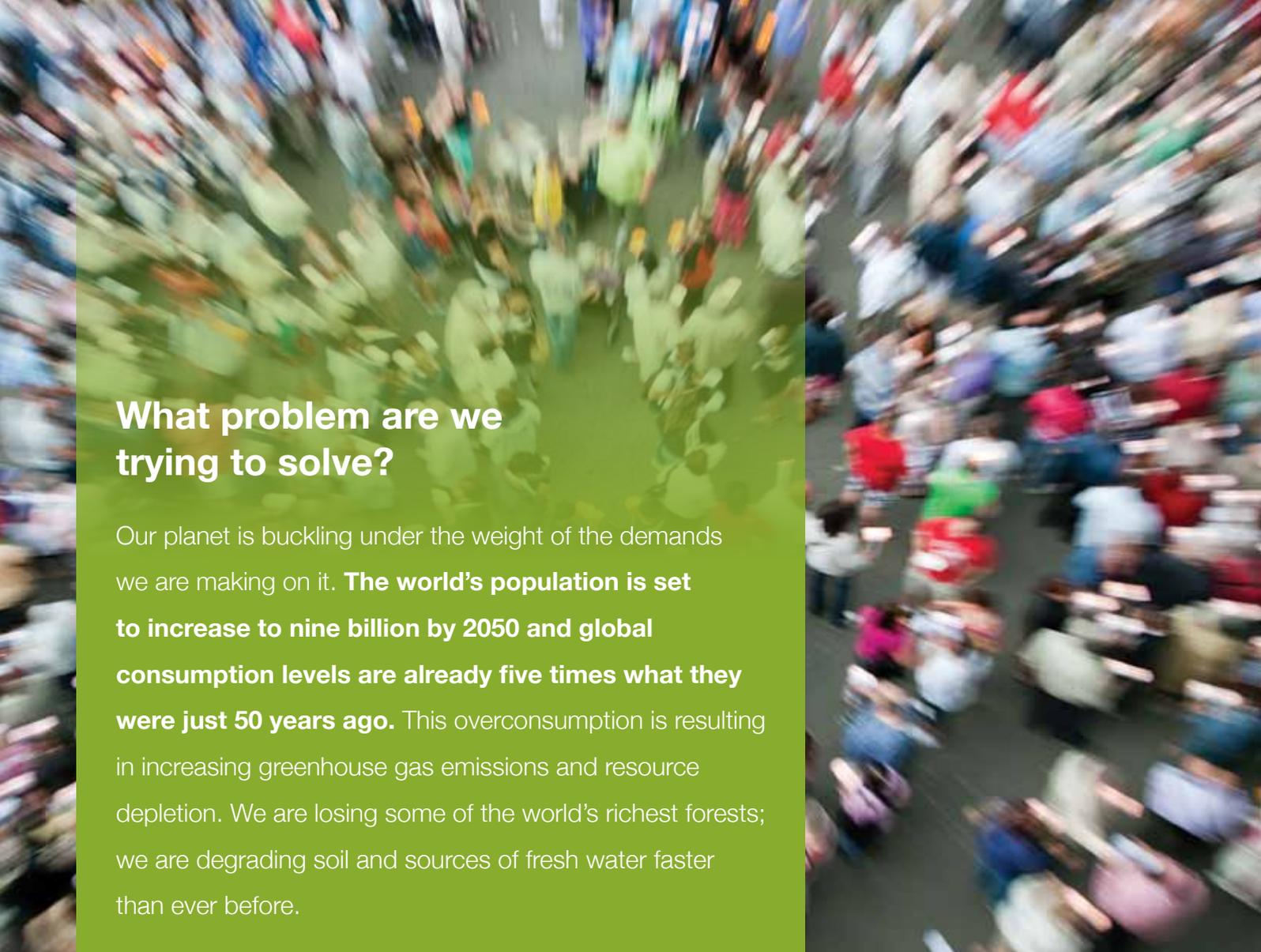


One Planet Economy Network – Europe Project





What problem are we trying to solve?

Our planet is buckling under the weight of the demands we are making on it. **The world's population is set to increase to nine billion by 2050 and global consumption levels are already five times what they were just 50 years ago.** This overconsumption is resulting in increasing greenhouse gas emissions and resource depletion. We are losing some of the world's richest forests; we are degrading soil and sources of fresh water faster than ever before.



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Europe has a central role to play

Currently, the European economy is using nearly three times more ecological assets than those available. This situation cannot be sustained indefinitely. Tools and action are needed that can start to reverse the condition.

The EUREAPA tool, available for free in September 2011, has been developed to help decision-makers and civil society identify appropriate policy interventions to transform Europe into a One Planet Economy by 2050.

"I am excited by the possibilities that the EUREAPA tool will offer national and EC decision makers in helping make a greener tomorrow, a reality today. These tools form the backbone of any sound analysis in planning for this sustainability challenge; I will be using the tool to support my decision-making and hope you will too!"

Sirpa Pietikanen,

MEP Finland and President of GLOBE.

EUREAPA – Applying science to policy development

The design of the EUREAPA tool helps EU policy-makers and Civil Society access and manipulate a vast amount of information relating to the environmental impact of consumption and production, in order to prioritise and evaluate intervention into particular areas.



Please note that development is ongoing and the final look of the tool will be subject to change.

The software contains tables from national economic accounts and trade statistics with data from environmental and footprint accounts. Using EUREAPA, you can look at the impacts of consumption activities in the context of lifestyles or national differences. It will allow you to identify differences in footprints across countries, from consumer and producer perspectives, and also to identify footprint hot-spots associated with the food people eat, the clothes they buy, the products they consume or the way they travel. Using EUREAPA you can:

- View data for each of the **3 headline footprint family indicators** as well as 9 component indicators:

Carbon Footprint (total) in tonnes	Water Footprint (total) in litres	Ecological footprint (total) in global hectares
Carbon Footprint (CO2) Carbon Footprint (CH4) Carbon Footprint (FGases) Carbon Footprint (N2O)	Water Footprint (blue water) Water Footprint (green water) Water Footprint (grey water)	Ecological footprint (carbon land) Ecological footprint (other land)

- **Select from 45 regions** you want to view data for, or work on via a scenario. These include all the EU member states, 16 important trading partners and regions of the world, other countries are included in Annexes of climate change agreements and the rest of the world.
- View data on a total or **per capita basis**.
- **Export data** as charts and tables.
- View data from a production or a consumption perspective.
- **Explore link between consumption products and production sectors,**

view the contribution of production sectors to each of the broad consumption areas at a national level e.g. Housing, Food, Transport, Consumables and Services.

- **Benchmark or compare countries** - e.g. benchmark a country's impacts against the best and worst in the EU; show the average impact in the EU and an indication of a One Planet Economy target; make comparisons between countries at a total footprint level and at the most detailed level (e.g. the impact of consumption of food).

- **Produce a high level scenario to model the effects of future policy** e.g. change the population, the general affluence (volume of spend), proportion of spend on high level consumption categories and production efficiency.
- **Create your own detailed scenarios** e.g. by making changes to detailed spend breakdown within each category e.g. to investigate scenarios such as a shift towards a low meat diet or a modal shift in transport. You can also change the production efficiency of sectors, the energy sources they use or the technologies used to create electricity.
- **Select a pre-loaded policy scenario** that models the effect that a range of EU policies will have on the impact of consumption and production.
- **Save your scenario,** import a scenario, share a scenario with another user and export the results.

EUREAPA – A Collaborative Design Process

In order to design the EUREAPA tool, we carried out a consultation with representatives from the European Commission DG Environment, the Swedish Environmental Protection Agency, the European Topic Centre for Sustainable Consumption and Production

and many others including Civil Society Organisations working in the field of Sustainable Consumption & Production and Environmental Impact Assessment.

We gathered useful insights into the level of detail policy-makers need to see from the EUREAPA tool; the types of scenarios policy-makers will want to model and the types of functions/reports deemed most important.

How YOU can get involved

As an OPEN:EU stakeholder, you are invited to engage in an online dialogue process, by sharing visions, knowledge and insights so as to identify ways to accelerate the transformation of Europe to a One Planet Economy 2050.

Join the debate, shape the future and accelerate Europe to a One Planet Economy.
oneplaneteconomynetwork.ning.com

Please visit www.oneplaneteconomynetwork.org to find out more about the project and the tool.



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Project Partners



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