

Tools for the sustainable management of cities



GAIKER Technology Centre has expertise in environmental management and research on sustainability. In last years, it has developed two worth mentioning R&D projects regarding urban sustainability:

1) BioLCA: Software for the sustainability evaluation of transport

The aim of BioLCA project was to develop and to test a new software tool for the sustainability evaluation of transport, incorporating the life cycle perspective in the sustainability evaluation. The tool (http://app.lifebiolca.com/) incorporates a wide range of transport modes, fuels and transport units, even allowing the users to incorporate new ones.





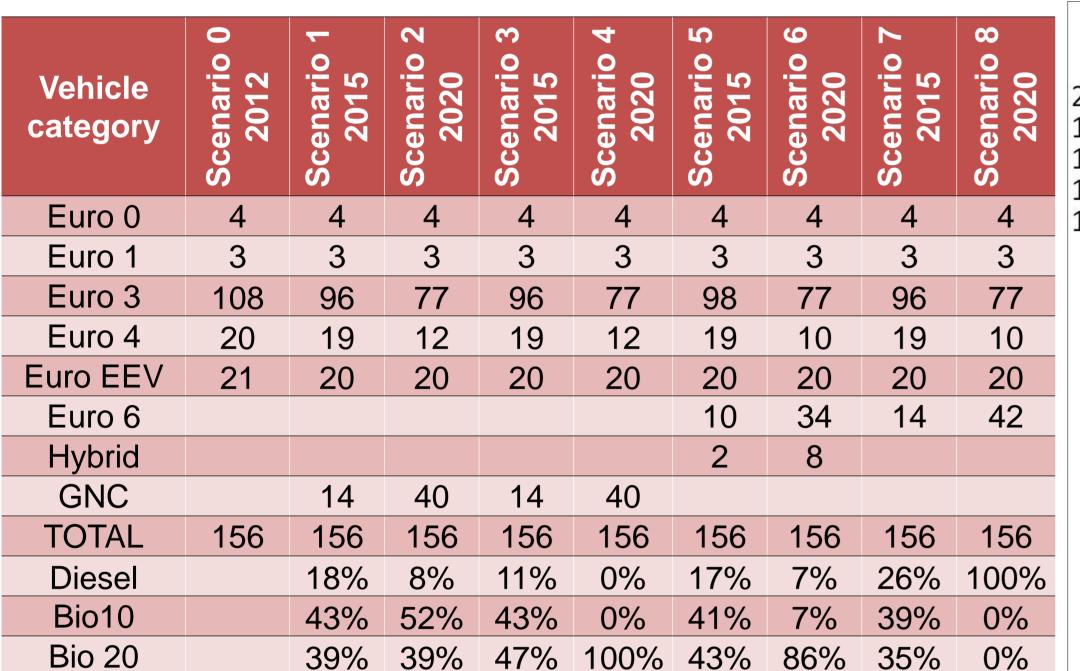


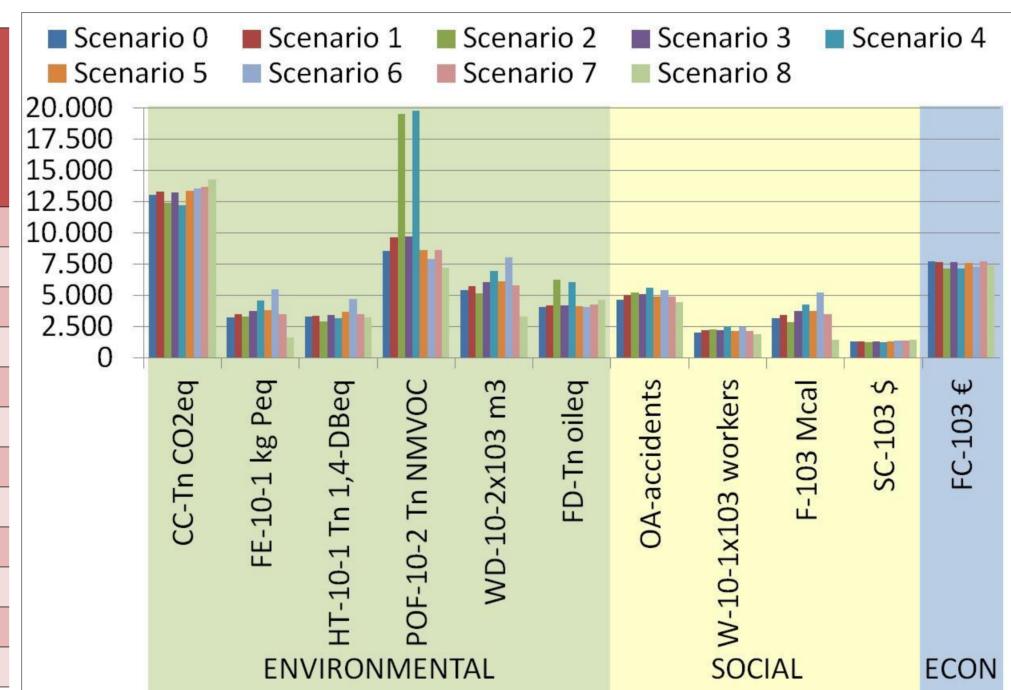


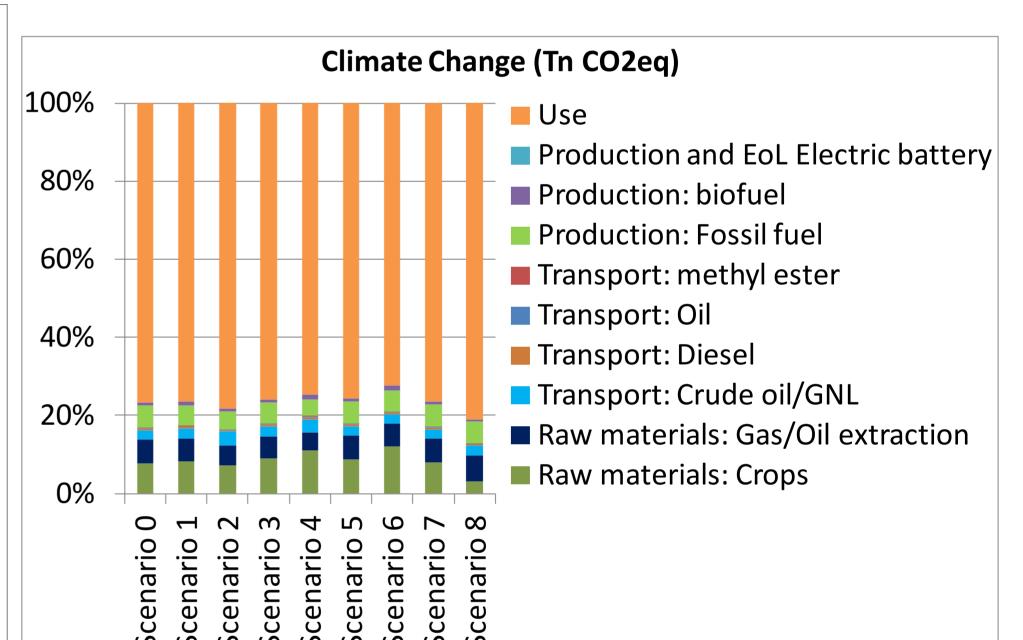
tecnalia Inspiring Business



8 alternative scenarios for the fleet of BILBOBUS, Bilbao's public transport company by bus, have been tested with BioLCA.







eventic

factor COV

2) EVENTIC: ITC-based tools for events management

• Goal: development of ITC-based solutions to measure events sustainability

• Activities: Pilot experience in a mass event to validate the EVENTIC tool



Relevance for cities in Europe:

- ✓ ITC-based tools to:
 - a) Measure environmental, economic and social impacts (e.g.: Carbon footprint)
 - b) Encourage sustainable performance
- ✓ Reduce environmental burden of any activity from life cycle perspective
- ✓ Increase social and economic impacts

Project funded by SPRI-Basque Government.

GAITEK 2014-15 programme

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