



This project is funded by the European Commission's
Directorate-General Climate Action



EU Transport GHG: Routes to 2050 II

First Stakeholder Conference

29 June 2011, Brussels

Partners

www.eutransportghg2050.eu



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EU Transport GHG: Routes to 2050 II

Introduction to the Project and Conference

Presentation by Nikolas Hill (AEA)

First Stakeholder Conference

29 June 2011, Diamant Conference Center, Brussels

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Overview

- Background and context to the project
- Outline of the project
- Next steps

Project Introduction

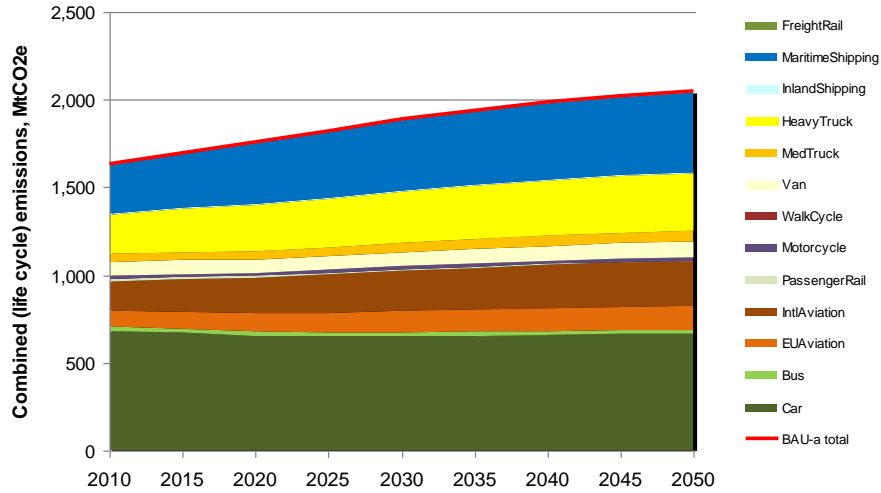
Background

- Original *EU Transport GHG: Routes to 2050?* study funded by DG Climate Action; completed in June 2010:
 - Pioneering EU-level study considering transport GHG emissions in the long term
 - Commissioned in the context of a number of high-level political statements on the importance of reducing EU transport GHG emissions to 2050.
 - Principal aim was to provide information and analysis to assist early Commission thinking on a co-ordinated approach to reducing GHG from of all transport modes.
 - Scope of the work focused on GHG emissions specifically and considered topics including:
 - Technological options – e.g. powertrain improvements, alternative powertrains / fuels
 - Non-technological options – e.g. operational, co-modality, demand management
 - Economic options – e.g. taxes or incentives on vehicles / energy carriers, ETS, etc.
 - Regulatory options
 - Possible 2050 reductions explored in illustrative scenarios using SULTAN tool.
 - Outputs were very detailed and have already proved to be of great value to the European Commission and to industry, governmental and NGO stakeholders.
 - However, a number of topics could not be addressed (in detail) in this work.

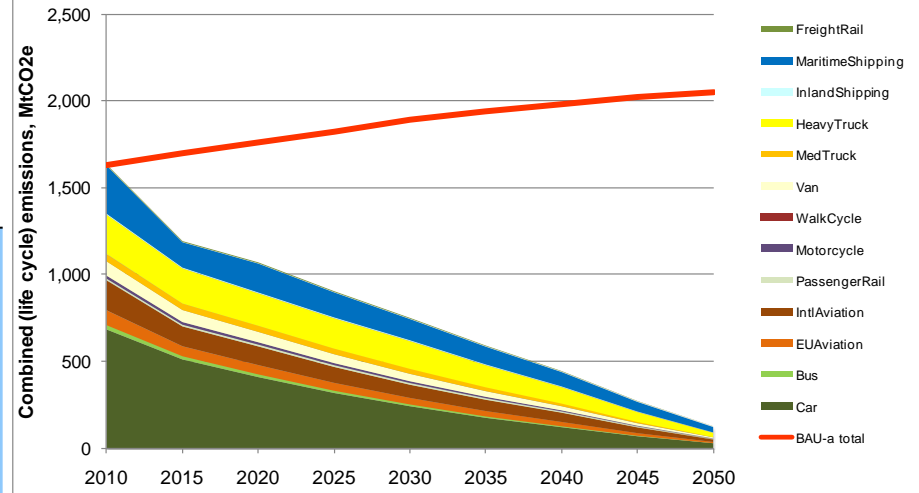
Project Introduction

Background

Total Combined (life cycle) GHG emissions



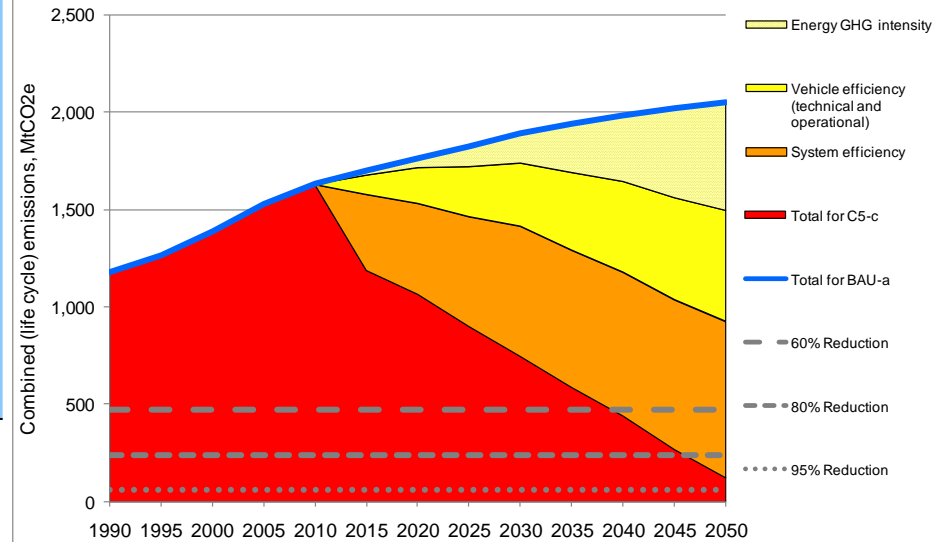
Total Combined (life cycle) GHG emissions



↑
BAU
Scenario

Combination of all
options assessed

Total Combined (life cycle) GHG emissions (Sum All)



Project Introduction

Context

Roadmap for moving to a low-carbon economy in 2050,
launched 8 March 2011:

http://ec.europa.eu/clima/policies/roadmap/index_en.htm

**Roadmap to a Single European Transport Area -
Towards a competitive and resource efficient
transport system,**

White Paper launched 28 March 2011:

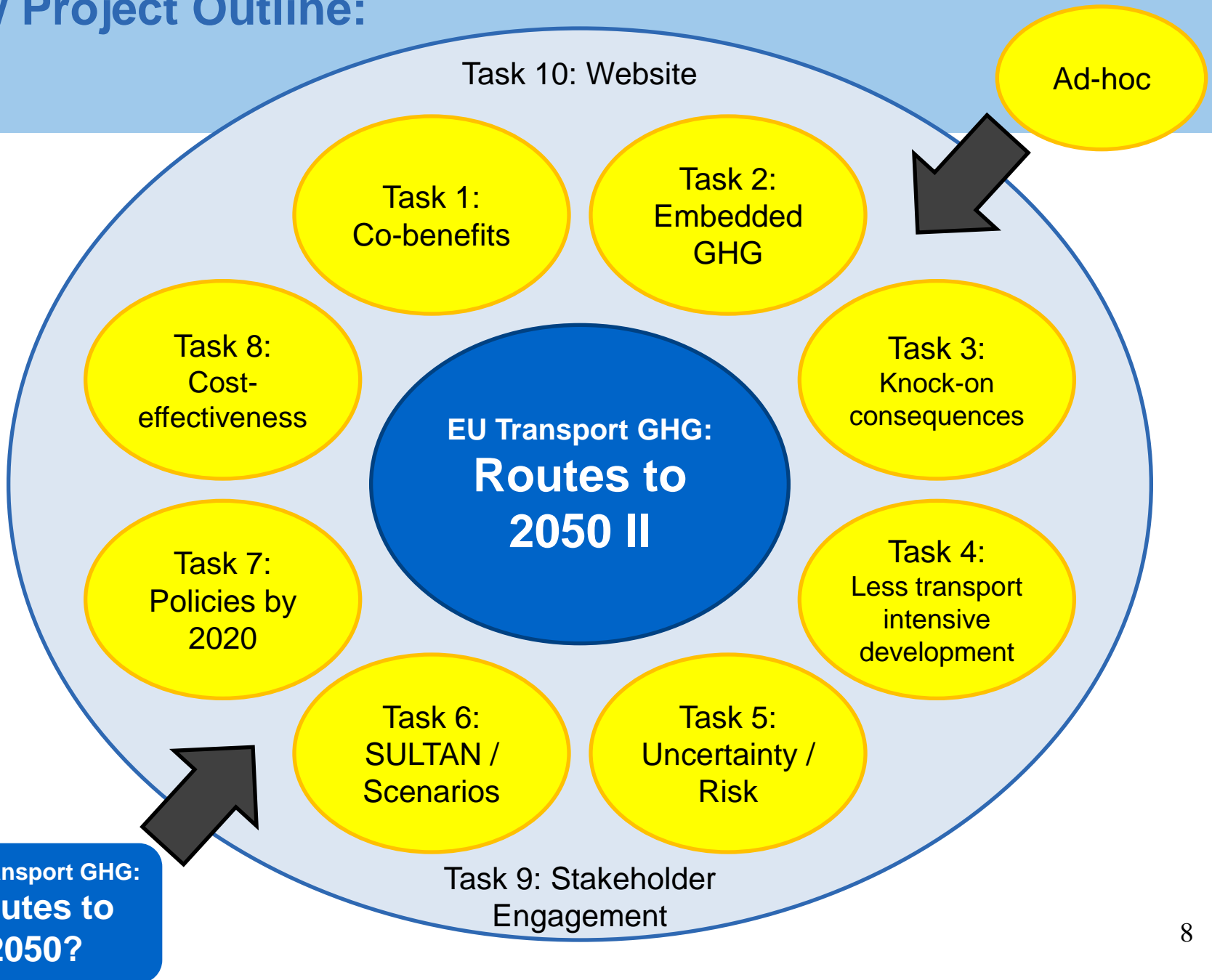
http://ec.europa.eu/transport/strategies/2011_white_paper_en.htm

Project Introduction

New Project Outline

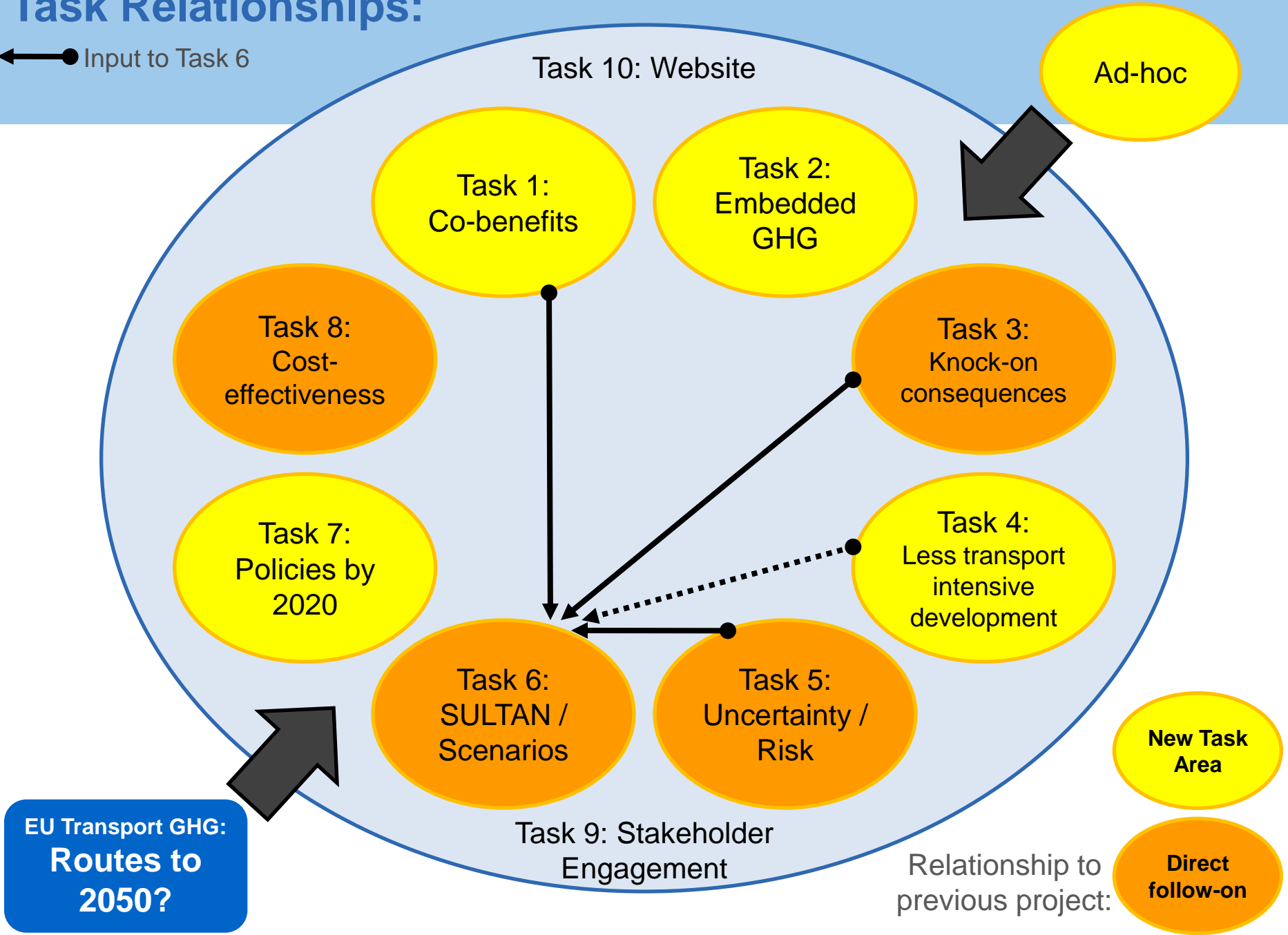
- *EU Transport GHG: Routes to 2050 II* is a 15-month project funded by DG Climate Action; started in January 2011.
- Direct follow-on piece of research to the previous *EU Transport GHG: Routes to 2050?* study, aiming to:
 - Build on the analysis from the previous study.
 - Complement other work carried out for the Commission in this area.
 - Help the Commission prioritise and develop key future policy measures critical to ensure future GHG emissions from transport can be reduced significantly.
- Key Project Objectives are to:
 - Enhance understanding of wider potential impacts of transport GHG reduction policies, and possible significance in a critical path to GHG reductions to 2050.
 - Further develop the SULTAN illustrative scenarios tool and carry out further scenario analysis in support of the new project.
 - Use the new information in the evaluation of a series of alternative pathways to transport GHG reduction for 2050, in the context of the 50-70% reduction target.
- Ten Core tasks (plus additional ad-hoc analyses)

New Project Outline:



Task Relationships:

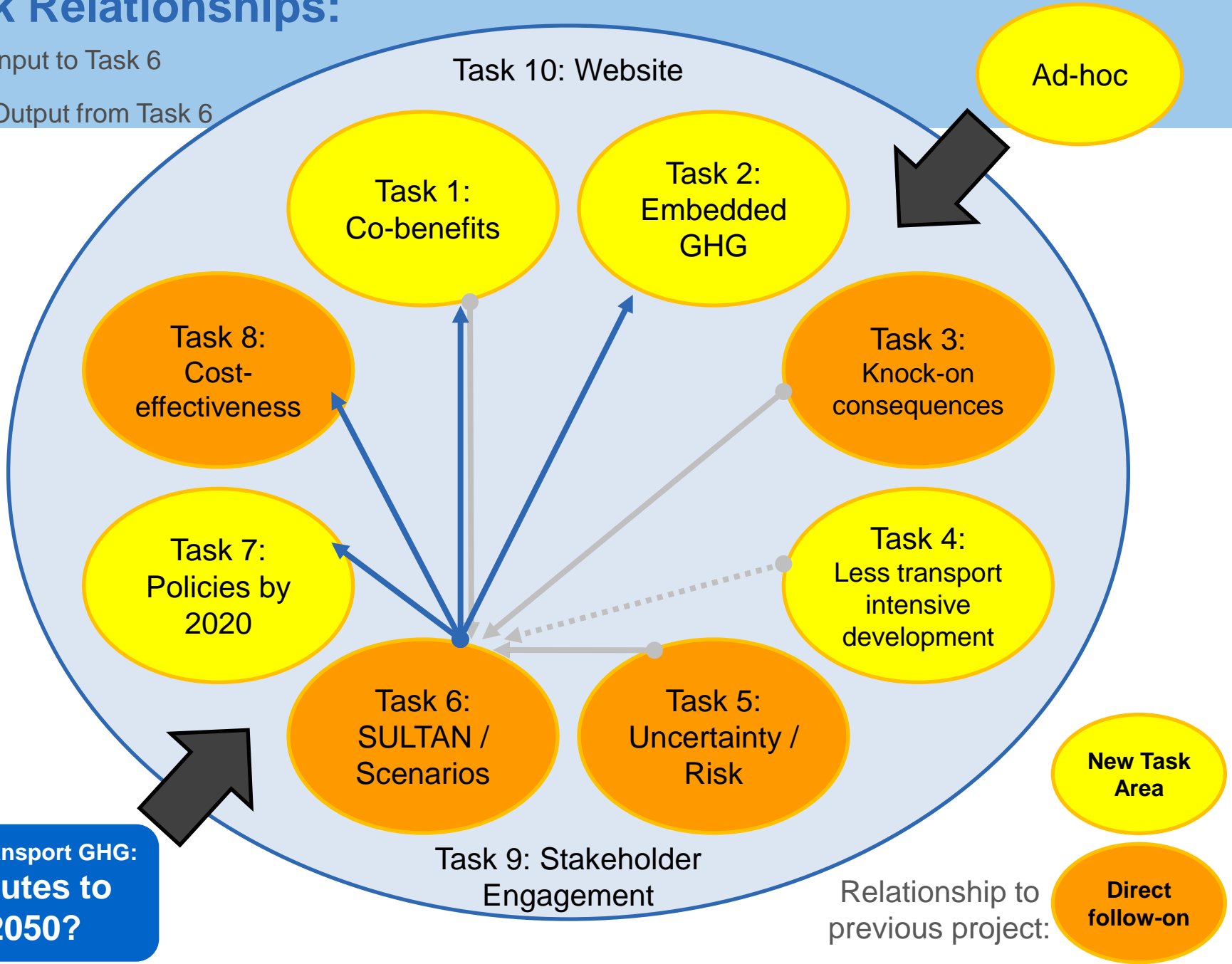
←● Input to Task 6



Task Relationships:

← Input to Task 6

← Output from Task 6



Ad-hoc

Task 10: Website

Task 1:
Co-benefits

Task 2:
Embedded
GHG

Task 3:
Knock-on
consequences

Task 8:
Cost-
effectiveness

Task 7:
Policies by
2020

Task 4:
Less transport
intensive
development

Task 6:
SULTAN /
Scenarios

Task 5:
Uncertainty /
Risk

New Task
Area

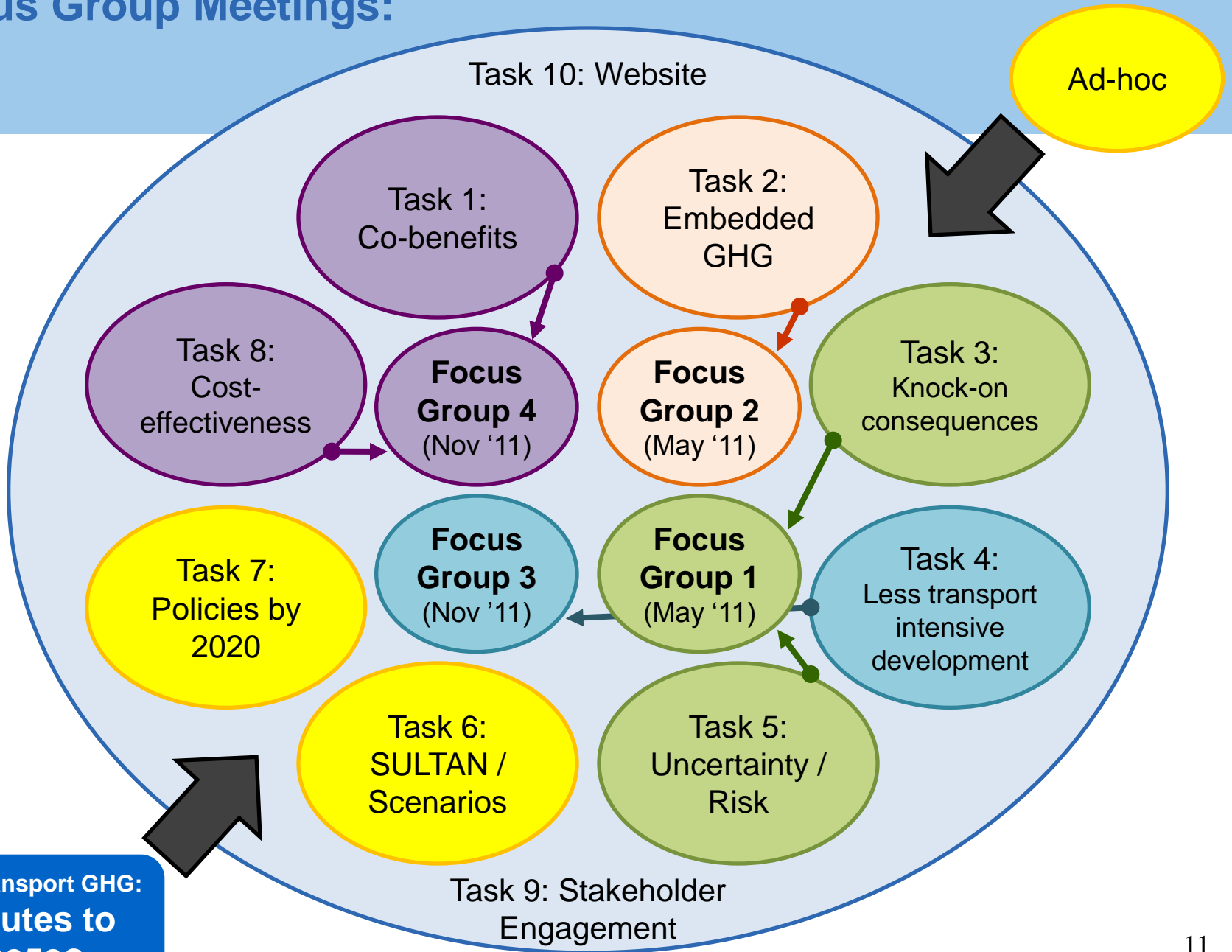
Direct
follow-on

Task 9: Stakeholder
Engagement

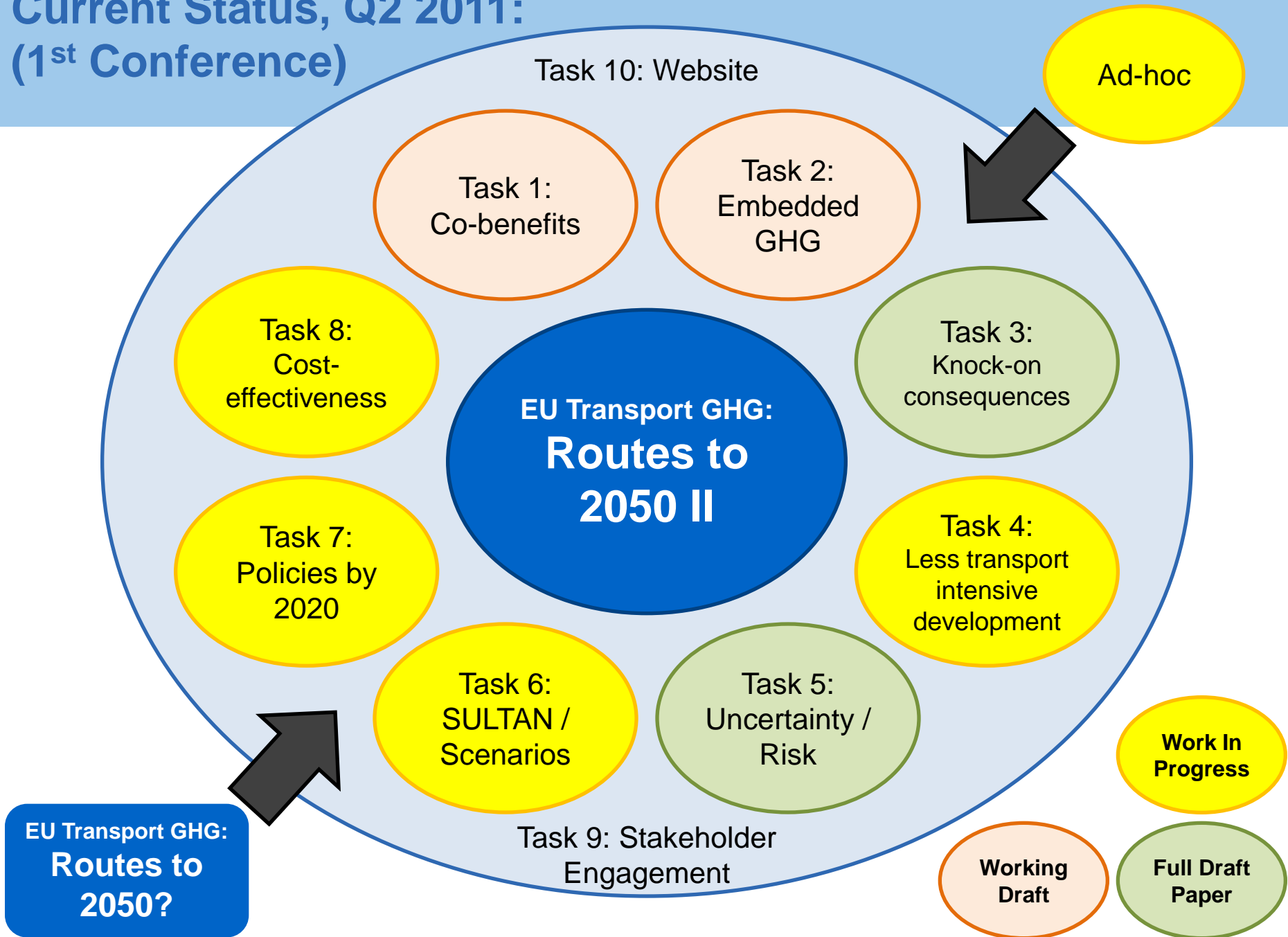
Relationship to
previous project:

EU Transport GHG:
Routes to
2050?

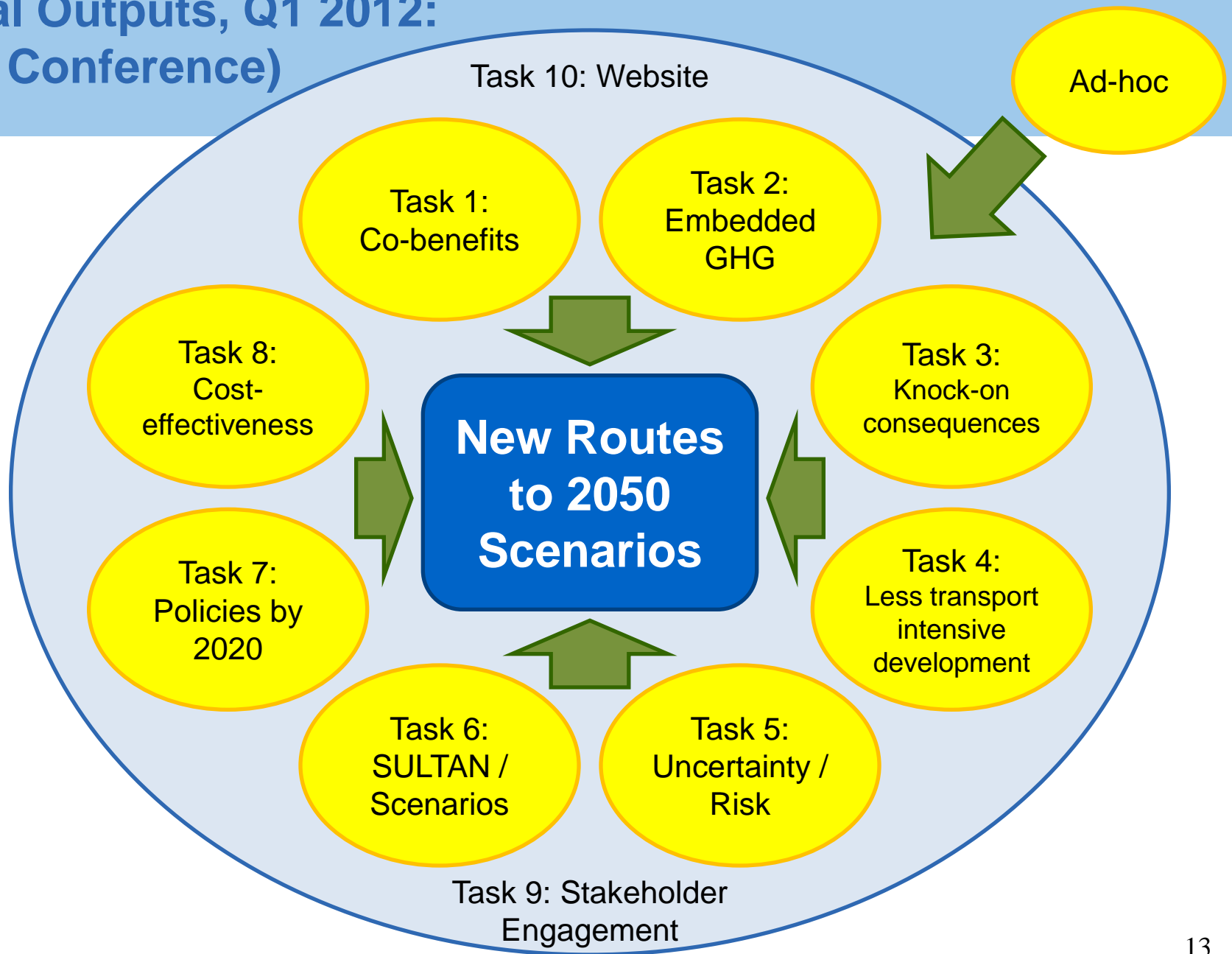
Focus Group Meetings:



Current Status, Q2 2011: (1st Conference)



Final Outputs, Q1 2012: (2nd Conference)



Next steps

- Complete main work on Tasks 1 and 2, congestion paper (ad-hoc)
- SULTAN Tool and Illustrative Scenarios Development
 - Complete update of baseline and existing scenarios
 - Implement additional SULTAN functionality
 - Agree, define and develop new scenarios
- Begin work on Tasks 4, 7 and 8
- Define additional ad-hoc tasks
- Focus Group Meetings 3 and 4 (Nov 2011)
- Bring together outputs from all tasks into the final analysis
- Present draft results to Final stakeholder conference (Feb 2012)



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Thank you for your cooperation

Any questions?

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