



ID card of case study: Fuel Cell City

Title	How to design a participatory scenario process on the municipal use of fuel cell technology in a medium sized city
Short description of the case	<p>Within this case study participants will take on the role of a research institution initiating and planning a multi-stakeholder scenario process concerning the potential future use of fuel cell technology at the municipal level. Participants will be briefly introduced both to the context of fuel cell technology (main applications and niche markets, barriers to market introduction, ecological risks and potentials, existing pilot projects at the municipal level) and to the scenario method.</p> <p>Participants will then work in small groups on the detailed implementation of the scenario process. Topics to be addressed include:</p> <ul style="list-style-type: none"> • Framing of the issue (Defining the topic and scope of the scenario process) • Deciding upon which stakeholder groups to involve • Devising a basic design of the scenario process • Either: Detailed planning of an individual part of the scenario process (e.g. choice of questions and interactive techniques for an individual session) Or: Developing strategies for the diffusion and follow-up of results <p>This Case Study is based on the ongoing research project ‘Open Innovation’, aiming at the development of user-centred perspectives on selected environmental technologies. A scenario process on the municipal use of fuel cells in Graz is currently being organised within this project.</p>
Training objectives	<p>Participants will learn</p> <ul style="list-style-type: none"> • Which planning steps are involved in organising a participatory scenario process • Taking into account strategic and pragmatic as well as contextual and methodological issues in the conceptualisation of a participatory process • To estimate the potentials (and limitations) of scenario processes in analysing, assessing and shaping socio-technical change <p>This case is of specific relevance for people interested in the practical implementation of participatory processes in socio-technical transition fields (emerging technologies and their contexts of use). Furthermore it should be of particular interest to people concerned with participatory processes oriented towards the integration of expertise from diverse fields.</p>

Training method	<p>After an introduction to the case study participants will be split into small groups that work on the tasks listed above. Plenary sessions will be included for a sharing of results and discussion.</p> <p>While basic tasks (framing of issue, basic design of process) will be worked on in parallel, with all groups addressing the same task, more specific tasks may be divided between individual groups.</p>
Previous knowledge required	<p>In order to keep the introduction brief, participants should be acquainted with the background material provided for this case on the CIPAST website. Furthermore a basic knowledge of participatory techniques and a familiarity with viewing technology as embedded in social and cultural practices will be helpful.</p>
Materials	<ul style="list-style-type: none"> • A room with space for group work • Flip Charts or Paper Boards and Markers (For each group) • Laptop and Beamer
Resources and further reading	<p>Relevant Literature:</p> <p>McDowall, W. and Eames, M. (2004) <i>Forecasts, Scenarios, Visions, Backcasts and Roadmaps to the Hydrogegen Economy: A Review of the Hydrogen Futures Literature for UK-SHEC</i>, UKSHEC Social Science Working Papers No. 8 www.psi.org.uk/ukshec/pdf/8_Hydrogen%20Futures%20Review.pdf</p> <p>van den Bosch, S.J.M., Brezet, J.C. and Vergragt, Ph.J. (2005) <i>How to kick off system innovation: a Rotterdam case study of the transition to a fuel cell transport system</i>, Journal of Cleaner Production 13 (2005), pp. 1027 – 1035</p> <p>Vergragt, Ph.J. and Szejnwald Brown, H. (2007) <i>Sustainable mobility: from technological innovation to societal learning</i>, Journal of Cleaner Production 15 (2007), pp. 1104 – 1115</p>
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