



Project no. 723678

The next Generation of Carbon for the Process Industry+

Coordination and Support Action

Theme [SPIRE 5] . Potential use of CO₂ and non-conventional fossil natural resources in Europe as feedstock for the process industry

Deliverable 6.1: Knowledge, Impact & Risk Management Plan

Due date of deliverable: 30th November 2016Actual submission date: 30th November 2016

Start date of project: 1 September 2016

Duration: 24 months

Organisation name of lead contractor for this deliverable:

Release no.

Project co-funded by the European Commission within the Seventh Framework Programme (2007-2013)		
Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

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1. Introduction

The present report describes the management of knowledge sharing, impact assessment as well as the identification and mitigation of risks within the CarbonNext project. The process described in the Knowledge, Impact & Risk Management Plan will be used by all members of the consortium. The approach for knowledge transfer is simple as the consortium committed to the principles of Open Access, which is described in chapter 3. CarbonNext committed to clearly demonstrate the impacts and importance of the research and activities in attaining the goal of increasing awareness of the impact and opportunities for new sources of carbon for the process industry, both as source for energy as well as source for raw material among Europe's SMEs, industry and policymakers. The identification and mitigation of risks within the project are key elements in the overall project management and are relevant for all work packages.

The risk management procedure includes the following steps:

1. Identification of risk events
2. Scoring of risk events
3. Development of mitigation actions to prevent risks.

By following the three steps in a day-to-day routine within the project, decisions will be facilitated. This report describes the methodology that the CarbonNext project will adapt to regarding the Knowledge, Impact and Risk Management Plan. It does not contain the actual work carried out or list of activities on knowledge transfer, impact assessment or risk events and the action on mitigation and preventing it. The actual lists will be developed and updated continuously throughout the project.

2. Knowledge, Impact & Risk Management Plan

The following overall plan shall ensure a high attention and a coherent approach on the management of knowledge, impact and risk.

Knowledge

CarbonNext is fully committed to the principles of Open Access, and will expect all partners to undertake and comply with ~~green~~open-access. As per Articles 29.2 and 29.3 of the Model Grant Agreement all partners will sign up to the Open Access and Open Research Data Pilot, and will, in accordance with the grant agreement, manage any IPR, access rights, format, data and metadata generated as a result of the project. ~~Green~~+open-access allows the publication of the version of the research paper that was accepted for publication in a journal, via the partner Research Repositories, either immediately or after a specified embargo period. All project partners will be expected to follow their own institutional process for complying with ~~green~~open access. However, in the UK all universities are supported via JISC to ensure that those records are automatically made available to the EUs OpenAIRE system and so comply with the Commission's Open Access policy for scientific publications and its Open Science agenda. With USFD as the Research lead for this project, the majority of the academic publications will therefore be made Open Access through this method.

Impact

CarbonNext is committed to clearly demonstrate the impacts and importance of our research and activities in attaining our aim of increasing awareness of the impact and opportunities for new sources of carbon for the process industry, both as source for energy as well as source for raw material among Europe's SMEs, industry and policymakers. The reach and significance of the anticipated impact of the CarbonNext project could achieve is very broad and so capturing the impact from this exciting project will require a dedicated section in the plan. The plan on impact will have three core principles and associated operational tasks:

1. CarbonNext definition of Impact that is relevant to our project and activities. For example ~~an~~ effect on, change or benefit to the economy, society, culture, public policy or services, health, environment or quality of life, beyond academia, whether locally, regionally, nationally or internationally+
2. Adoption of principles of impact management and generation such as:
 - i. Embed impact in all our activities to engage and understand the perspectives of end-users (policy makers, industry, SMEs).
 - ii. Work with research end-users to make sure the outcomes are real-world relevant throughout the project

- iii. Judge our impact on reach (how widely it is felt) and significance (how important).
- iv. Show a clear and traceable pathway from outcomes to impact
- v. Ensure that impact story is compelling, understandable, memorable and quantifiable.

3. Productivity, Outcomes and Impacts - it will be gathered evidence on the productivity of the project (e.g. publications, public engagement activities, etc.), consider the outcomes used to describe the mid-term and intermediate results of the research and capture the impact describing the long-term and ultimate effect. For example, CarbonNext will count the number of readers of our reports (on-line or paper copies), the participants to our activities, website visits, oral presentations, participants in surveys, etc. The actions will be embedded across the project as part of WP5 and will be included as a deliverable within the CarbonNext Communication, Engagement & Dissemination Plan.

Risk

A risk management plan, as a component in the overall project management, is a commonly used approach to assist in decision making managing technical and practical issues. CarbonNext is a relatively small and short project with clear tasks and risks. However, obstacles of different nature will occur as the project progresses. Obstacles such as the breakdown of contrary analysis or the evaluation of opposed data may occur. Another example is the completion to other projects that develop similar analysis or that critical knowledge to achieve cannot be found within the project consortium or neither by exchange with external experts. However, the Knowledge, Impact and Risk Management Plan of the CarbonNext project is one way to proactively manage potential risks and related mitigation actions, as a way to improve the project results and informative value.

As indicated in the description of work, a further extended plan for risks and proposed management will be addressed. In table 1 shows an updated overview of the risks involved and the proposed risk mitigation measures are given but still, this list will be further extended and addressed during the project.

Table 1: Critical risks for implementation:

Description of risk (indicate level of likelihood: Low/Medium/High)	Work package(s) involved	Proposed risk-mitigation measures
Lack of data (low)	1,2,3,4	Assumptions proved by Stakeholder
Manifolds of unpredictable scenarios (medium)	3, 4	Assumptions proved by Stakeholder
Dealing with inconsistent and	1,2, 3, 4	Validation via external data

conflicting data from stakeholder during consultation processes (High)		sources and through independent experts
Dealing with other similar projects that have contrary outputs or approaches (medium)	1,2,3,4	Assumptions proved by Stakeholder and validation via external data sources and through independent experts

3. Conclusion

The report solely describes the methodology that the CarbonNext consortium will adapt to regarding project Knowledge, Impact and Risk management. It does not contain the actual work carried out generating lists of risk events and the action on mitigation and preventing risks.

The actual lists developed will be presented and updated continuously throughout the project in the format of minutes of consortium meetings and conference calls.