

WORK PACKAGES 8-11 (MSCO₂)

4. Scientific and technical performance

4.2 Overview of Technical Progress

Main Results:

- Evaluated software for performing pre-stack velocity analysis in the CO₂ injection area.

WP 8

Efforts have been made in order to build a model for performing a pre-stack, tomographic velocity inversion of the 1994 and the 1999 data sets, with the aim to relate velocity changes to CO₂ saturation changes between the two time lapses.

A new software prototype has been evaluated in this work. It has become increasingly clear that this software prototype is not yet ready for performing the tasks at hand, and a new alternative approach will be sought in the next reporting period.

4.3 Comparison of planned work with actual work

The work has been delayed compared to the planned activities. However, this is not critical, as the 2001 seismic survey has not been acquired yet.

4.5 Brief forecast of the next six months activities and work

In the next six month period, efforts will be spent in order to find an alternative way in which to perform the pre-stack tomographic velocity inversion. As the new seismic survey is acquired, efforts will be spent on undertaking the analysis of the new data.

It is the aim to complete all the project deliverables of WP 8 to WP 11 of the project in the next reporting period.

6. Dissemination and Use of results

No dissemination activities have been undertaken in the reporting period.