WP 6.2 DEVELOPMENT OF SAFE AND EFFICIENT TRANSGENIC TECHNIQUES APPLICABLE TO SUSTAINABLE QUALITY-FRUIT PRODUCTION

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OBJECTIVES

The objective of this WP is to propose innovative gene transfer methodologies based on four approaches :

1 To avoid the presence of antibiotic resistance genes in transgenic fruit plants

2 To control transgene expression in fruit plants with adapted plant promoters

3 To explore new tools to reduce the presence of bacterial sequences in transgenic fruit plants

4 To evaluate the stability of expression of a transgene along tree life and some associated risks

TASKS

Task 6.2.1 Alternative transformation methods, without antibiotic resistance genes.

Task 6.2.2 Plant promoters that can regulate transgene expression in a constitutive or targeted way.

Task 6.2.3: Tools for “clean” gene integration or silencing technologies

Task 6.2.4: Stability of expression of the transgene along the tree life and associated risks.