

Milestone 1: first year (time schedule in months)	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39
Task 1: IDM													
Subtask 1.1: Improvement of accuracy <i>Responsible: M. Schwager</i>													
Subtask 1.2: New analytical and numerical approach <i>Responsible: M. Schwager</i>													
Subtask 1.3: Time dependency of measurements <i>Responsible: M. Schwager</i>													
Subtask 1.4: Effects of grout <i>Responsible: M. Schwager</i>													
Task 2: Fiber Optics													
Subtask 2.1: Design of cables and micro anchors <i>Responsible: D. Hauswirth</i>													
Subtask 2.2: Full scale shear zone simulation <i>Responsible: D. Hauswirth</i>													
Subtask 2.3: further monitoring and approaches to backcalculation <i>Responsible: D. Hauswirth</i>													
Subtask 2.4: Improvement of interpretation techniques <i>Responsible: D. Hauswirth</i>													
Task 3: BioStab and ChemDrain													
Subtask 3.1: Chemically enhanced drainage <i>Responsible: P. Minder</i>													
Subtask 3.2: Bioremediation of chemicals <i>Responsible: P. Minder</i>													
Subtask 3.3: Strength increase via biomineralization <i>Responsible: P. Minder</i>													
Task 4: St. Moritz (Brattas)													
Subtask 4.1: field measurements <i>Responsible: A. Schmid / M. Schwager</i>													
Subtask 4.2: laboratory tests <i>Responsible: A. Schmid</i>													
Subtask 4.3: back-calculation using analytical model <i>Responsible: A. Schmid</i>													
Subtask 4.4: numerical verification of the analytical model <i>Responsible: A. Schmid</i>													
Subtask 4.5: conclusions and recommendations <i>Responsible: A. Puzrin / M. Caprez</i>													

**Milestone 2: second year
(time schedule in months)**

	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39
Task 5: Combe Chopin													
Subtask 5.1: field measurements <i>Responsible: A. Schmid / M. Schwager</i>													
Subtask 5.2: laboratory tests (verification of reports) <i>Responsible: A. Schmid</i>													
Subtask 5.3: back-calculation using analytical model <i>Responsible: A. Schmid</i>													
Subtask 5.4: numerical verification of the analytical model <i>Responsible: A. Schmid</i>													
Subtask 5.5: conclusions and recommendations <i>Responsible: A. Puzrin / M. Caprez</i>													
Task 6: Braunwald													
Subtask 6.1: field measurements <i>Responsible: A. Schmid / M. Schwager</i>													
Subtask 6.2: laboratory tests <i>Responsible: A. Schmid</i>													
Subtask 6.3: back-calculation using analytical model <i>Responsible: A. Schmid</i>													
Subtask 6.4: numerical verification of the analytical model <i>Responsible: A. Schmid</i>													
Subtask 6.5: conclusions and recommendations <i>Responsible: A. Puzrin / M. Caprez</i>													
Task 7: Ganter													
Subtask 7.1: field measurements <i>Responsible: A. Schmid / M. Schwager</i>													
Subtask 7.2: laboratory tests <i>Responsible: A. Schmid</i>													
Subtask 7.3: back-calculation using analytical model <i>Responsible: A. Schmid</i>													
Subtask 7.4: numerical verification of the analytical model <i>Responsible: A. Schmid</i>													
Subtask 7.5: conclusions and recommendations <i>Responsible: A. Puzrin / M. Caprez</i>													

Milestone 3: third year
(time schedule in months)

	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39
Task 8: St. Moritz (Via Laret)													
Subtask 8.1: field measurements <i>Responsible: A. Schmid / M. Schwager</i>													
Subtask 8.2: laboratory tests <i>Responsible: A. Schmid</i>													
Subtask 8.3: numerical model <i>Responsible: M. Schwager</i>													
Subtask 8.4: conclusions and recommendations <i>Responsible: A. Puzrin / M. Caprez</i>													
Task 9: Leimbach													
Subtask 9.1: field measurements <i>Responsible: A. Schmid / M. Schwager</i>													
Subtask 9.2: laboratory tests <i>Responsible: M. Schwager</i>													
Subtask 9.3: back-calculation of the soil stiffness by using IDM <i>Responsible: M. Schwager</i>													
Subtask 9.4: validation <i>Responsible: M. Schwager</i>													
Task 10: Conclusions and Recommendations <i>Responsible: A. Puzrin / M. Caprez</i>													

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Final Report
(time schedule in months)

	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39
Final Report and Project Evaluation <i>Responsible: M. Schwager</i>													

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