Database folder	Sub-folder	Sub-dataset description	File format	File name	File description
Maestrelli et al_2020_ Analogue models & caldera resurgence_Database	Movies of model deformation _Caldera collapse	This sub-folder contains the movies showing the top-view evolution of caldera collapse	.mp4	Model_LR-01_Collapse	It shows the collapse for Model LR-01
				Model_LR-02_Collapse	It shows the collapse for Model LR-02
				Model_LR-03_Collapse	It shows the collapse for Model LR-03
				Model_PR-01_Collapse	It shows the collapse for Model PR-01
				Model_PR-02_Collapse	It shows the collapse for Model PR-02
				Model_PR-03_Collapse	It shows the collapse for Model PR-03
				Model_PR-04_Collapse	It shows the collapse for Model PR-04
				Model_PR-05_Collapse	It shows the collapse for Model PR-05
				Model_DR-01_Collapse	It shows the collapse for Model DR-01
				Model_DR-02_Collapse	It shows the collapse for Model DR-02
	Movies of model deformation _Caldera resurgence	This sub-folder contains the movies showing the top-view evolution of caldera resurgence	.mp4	Model_LR-01_Resurgence	It shows the resurgence for Model LR-01
				Model_LR-02_ Resurgence	It shows the resurgence for Model LR-02
				Model_LR-03_ Resurgence	It shows the resurgence for Model LR-03
				Model_LR-04_ Resurgence	It shows the resurgence for Model LR-04
				Model_PR-01_ Resurgence	It shows the resurgence for Model PR-01
				Model_PR-02_ Resurgence	It shows the resurgence for Model PR-02
				Model_PR-03_ Resurgence	It shows the resurgence for Model PR-03
				Model_PR-04_ Resurgence	It shows the resurgence for Model PR-04
				Model_PR-05_ Resurgence	It shows the resurgence for Model PR-05
				Model_DR-01_ Resurgence	It shows the resurgence for Model DR-01
				Model_DR-02_ Resurgence	It shows the resurgence for Model DR-02
	3D models _Caldera collapse	This sub-folder contains the 3D pdf showing the final stage of caldera collapse deformation	.pdf	Model_LR-01_3D_Collapse	It shows the 3D model for collapse of Model LR-01
				Model_LR-02_3D_Collapse	It shows the 3D model for collapse of Model LR-02
				Model_LR-03_3D_Collapse	It shows the 3D model for collapse of Model LR-03
				Model_LR-04_3D_Collapse	It shows the 3D model for collapse of Model LR-04
				Model_PR-01_3D_Collapse	It shows the 3D model for collapse of Model PR-01
				Model_PR-02_3D_Collapse	It shows the 3D model for collapse of Model PR-02
				Model_DR-01_3D_Collapse	It shows the 3D model for collapse of Model DR-01
				Model_DR-02_3D_Collapse	It shows the 3D model for collapse of Model DR-02
	3D models _Caldera resurgence	This sub-folder contains the 3D pdf showing the final stage of caldera resurgence deformation	.pdf	Model_LR-01_3D_Resurgence	It shows the 3D model for resurgence of Model LR-01
				Model_LR-02_ 3D_Resurgence	It shows the 3D model for resurgence of Model LR-02
				Model_LR-03_3D_ Resurgence	It shows the 3D model for resurgence of Model LR-03
				Model_LR-04_ 3D_Resurgence	It shows the 3D model for resurgence of Model LR-04
				Model_PR-01_ 3D_Resurgence	It shows the 3D model for resurgence of Model PR-01
				Model_PR-02_ 3D_Resurgence	It shows the 3D model for resurgence of Model PR-02

			Model_DR-01_3D_ Resurgence	It shows the 3D model for resurgence of Model DR-01
			Model_DR-02_ 3D_Resurgence	It shows the 3D model for resurgence of Model DR-02
	DEMs_Caldera collapse	This sub-folder contains the geotif Digital Elevation Model (DEM) files for caldera collapse	.tiff	Model_LR-01_DEM_Collapse	It shows the DEM for collapse of Model LR-01
				Model_LR-02_DEM_Collapse	It shows the DEM for collapse of Model LR-02
				Model_LR-03_DEM_Collapse	It shows the DEM for collapse of Model LR-03
				Model_LR-04_DEM_Collapse	It shows the DEM for collapse of Model LR-04
				Model_PR-01_DEM_Collapse	It shows the DEM for collapse of Model PR-01
				Model_PR-02_DEM_Collapse	It shows the DEM for collapse of Model PR-02
				Model_DR-01_DEM_Collapse	It shows the DEM for collapse of Model DR-01
				Model_DR-02_DEM_Collapse	It shows the DEM for collapse of Model DR-02
Maestrelli et al_2020_ Analogue models & caldera resurgence_Database	DEMs_Caldera resurgence	This sub-folder contains the geotif Digital Elevation Model (DEM) files for caldera resurgence	.tiff	Model_LR-01_DEM_Resurgence	It shows the DEM for resurgence of Model LR-01
				Model_LR-02_DEM_Resurgence	It shows the DEM for resurgence of Model LR-02
				Model_LR-03_ DEM_Resurgence	It shows the DEM for resurgence of Model LR-03
				Model_LR-04_ DEM_Resurgence	It shows the DEM for resurgence of Model LR-04
				Model_PR-01_DEM_Resurgence	It shows the DEM for resurgence of Model PR-01
				Model_PR-02_DEM_Resurgence	It shows the DEM for resurgence of Model PR-02
				Model_DR-01_DEM_Resurgence	It shows the DEM for resurgence of Model DR-01
				Model_DR-02_DEM_Resurgence	It shows the DEM for resurgence of Model DR-02
	DEMs_Topographic difference	This sub-folder contains the geotif Digital Elevation Model (DEM) files for the topographic difference between caldera collapse and caldera resurgence		Model_LR-01_DEM_Difference	It shows the DEM for the topographic difference of Model LR-01
				Model_LR-02_DEM_Difference	It shows the DEM for the topographic difference of Model LR-02
				Model_LR-03_ DEM_Difference	It shows the DEM for the topographic difference of Model LR-03
				Model_LR-04_ DEM_Difference	It shows the DEM for the topographic difference of Model LR-04
				Model_PR-01_DEM_Difference	It shows the DEM for the topographic difference of Model PR-01
				Model_PR-02_DEM_Difference	It shows the DEM for the topographic difference of Model PR-02
				Model_DR-01_DEM_Difference	It shows the DEM for the topographic difference of Model DR-01
				Model_DR-02_DEM_Difference	It shows the DEM for the topographic difference of Model DR-02
	Input files FracPaQ	This sub-folder contains the input files for FracPaQ software	.svg	Model_LR-02_Input_FracPaQ	It shows the FracPaQ input file for resurgence of Model LR-02
				Model_LR-03_Input_FracPaQ	It shows the FracPaQ input file for resurgence of Model LR-03
				Model_LR-04_ Input_FracPaQ	It shows the FracPaQ input file for resurgence of Model LR-04
	Movies of DPIV_Caldera resurgence	This sub-folder contains the movies showing DPIV analysis performed on some of the models	.mp4	Model_LR-01_DPIV	It shows the DPIV analysis for Model LR-01
				Model_LR-02_DPIV	It shows the DPIV analysis for Model LR-02
				Model_LR-03_ DPIV	It shows the DPIV analysis for Model LR-03
				Model_LR-04_ DPIV	It shows the DPIV analysis for Model LR-04
				Model_PR-01_DPIV	It shows the DPIV analysis for Model PR-01
				Model_PR-02_DPIV	It shows the DPIV analysis for Model PR-02
				Model_DR-01_DPIV	It shows the DPIV analysis for Model DR-01
				Model_DR-02_DPIV	It shows the DPIV analysis for Model DR-02