Encl. M03

Hauvette 2023, Seismic interpretation around the Greater Geneva Basin
Tectonics of the Western North Alpine Foreland
Results of PhD Thesis, University of Fribourg, 2023.

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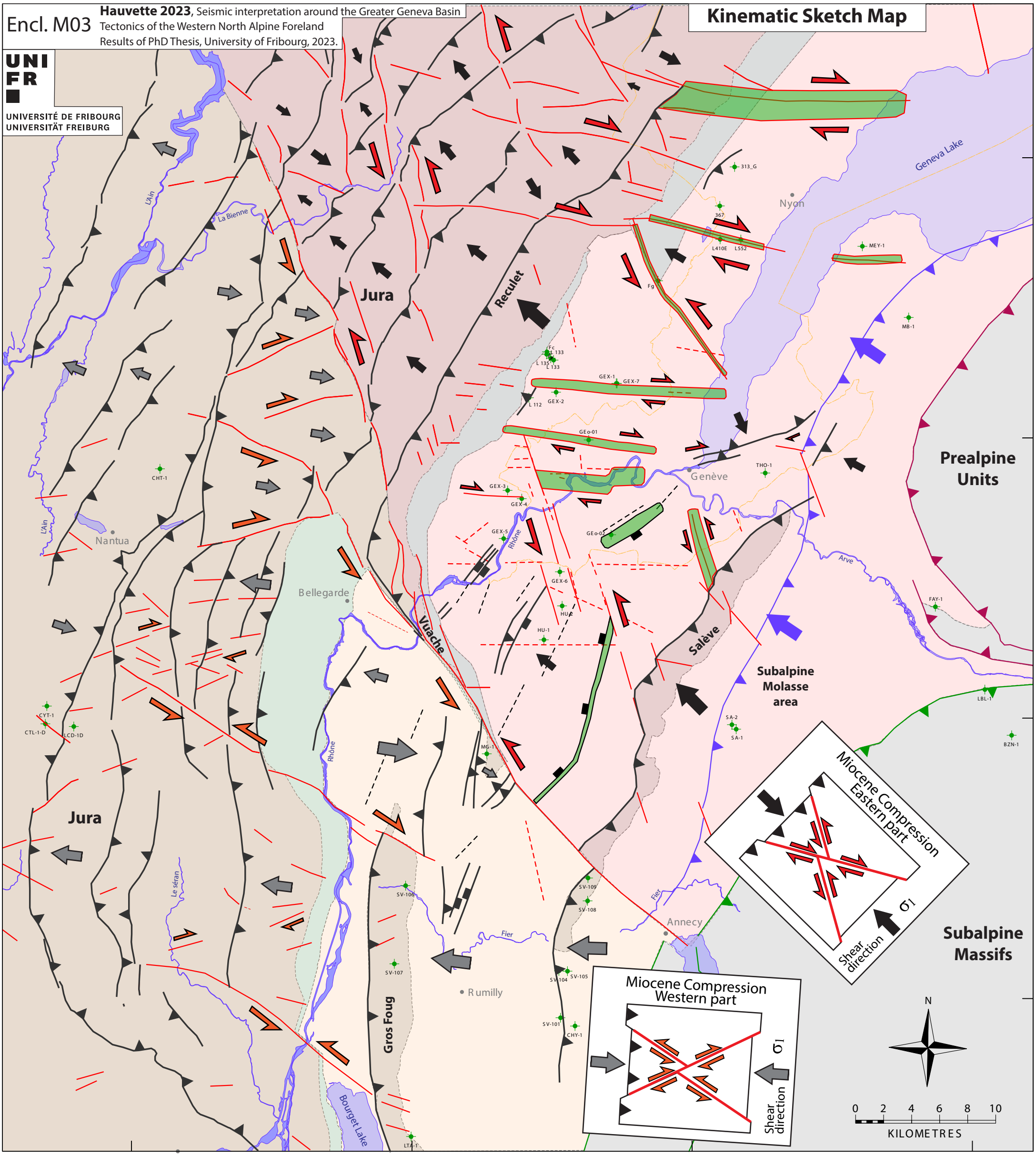
Kinematic Sketch Map



Faults in detached Mesozoic and Cenozoic sedimentary cover

- Reverse fault
- Reverse fault
- Fault corridor
- Strike-slip fault

Surface lineaments

- Geomorphologic lineaments perpendicular to the Miocene Compression
- Geomorphologic lineaments in the direction of the Miocene Shear stress

Kinematic features

- Direction of compressional displacement during the Miocene in the Western part (grey arrows), in the Eastern part (black arrows) and of the Subalpine Molasse (blue) of the studied area
- Direction of displacement along strike-slip faults (Miocene shear faults) in the Western part (orange arrows) and in the Eastern part (red arrows) of the studied area

Other features

- Wells (GEo-01)
- Frontier CH-FR

Areas

- Molasse Basin (Quaternary or Molasse outcrops)
- Mesozoic outcrops
- Cretaceous outcrops at the boundary between the Molasse Basin and the Jura fold and Thrust Belt
  Western / Eastern parts
- Mesozoic outcrops of other areas (outside the studied area)

Well abbreviation

Bogis-Bossey	L410E	Crozet	Fc	Grilly	Fg	Musiège-1	MG-1
Bonlieu-1	BLU-1	Faucigny-1	FAY-1	Humilly-1	HU-1	Risoux-1	RX-1
Brizon-1	BZN-1	GEo-01	GEo-01	Humilly-2	HU-2	Salève-1	SA-1
Celigny	L552	GEo-02	GEo-02	L 112	L 112	Salève-2	SA-2
Chaleyriat-1	CYT-1	Gex CD-01	GEX-1	L 132	L 133	Savoie-101	SV-101
Chapery-1	CHY-1	Gex CD-02	GEX-2	L 135	L 135	Savoie-104	SV-104
Charmont-1	CHT-1	Gex CD-03	GEX-3	La Balme-1	LBL-1	Savoie-105	SV-105
Châtelblanc-1	CHA-1	Gex CD-04	GEX-4	La Chandelière-1d	LCD-1D	Savoie-106	SV-106
Châtillon-1d	CTL-1-D	Gex CD-05	GEX-5	La Tailla-1	LTA-1	Savoie-107	SV-107
Chéserex	313_G	Gex CD-06	GEX-6	Messery-1	MEY-1	Savoie-108	SV-108
Crassier	367	Gex CD-07	GEX-7	Mont-de-Boisy-1	MB-1	Savoie-109	SV-109
						Thônex-1	THO-1