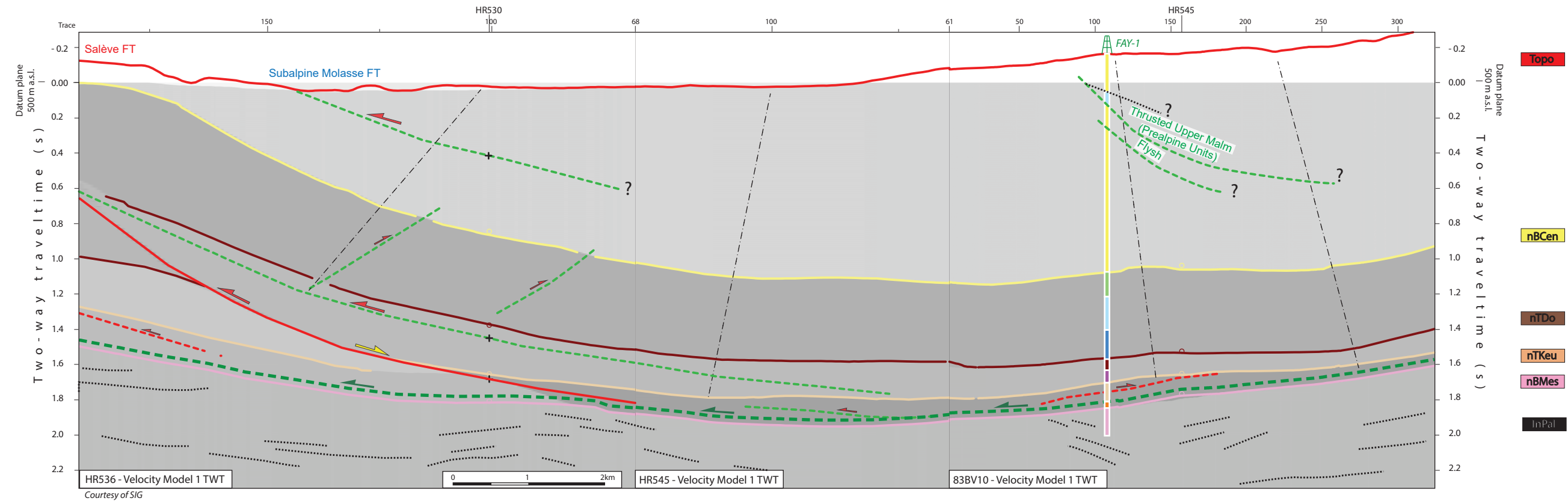
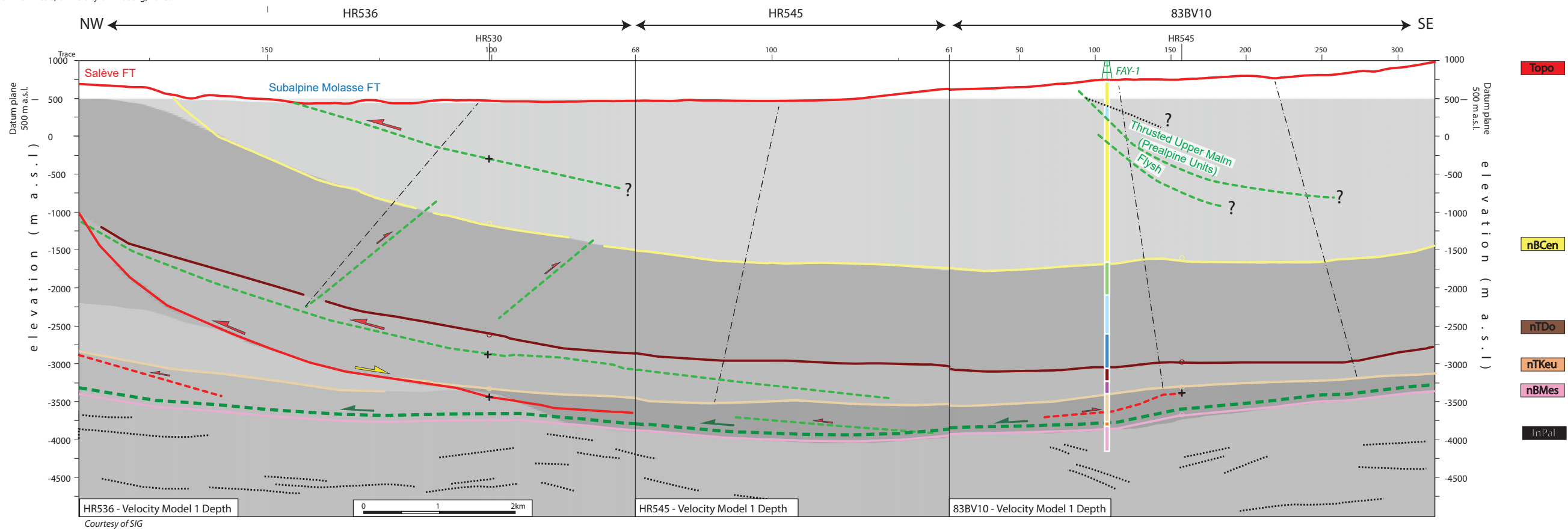


2D seismic line Transect SAM (FR)



**Folds in detached Mesozoic and Cenozoic sedimentary cover**

- Anticline visible on surface and on seismic data (blue -> only in Cenozoic cover)
- Syncline visible on surface and on seismic data (blue -> only in Cenozoic cover)
- Anticline visible only on seismic data (blue -> only in Cenozoic cover)
- Syncline visible only seismic data (blue -> only in Cenozoic cover)

**Main Faults at nBCen (near Base Cenozoic)**

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

**Other features**

- Seismic lines with trace numbers
- Interpreted seismic lines (left)
- Geomorphologic lineaments
- Wells
- Frontier CH-FR

**Fold Names**

- 11 Amancy Anticline
- 12 Etaux Anticline
- 35 Thônex Syncline

**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

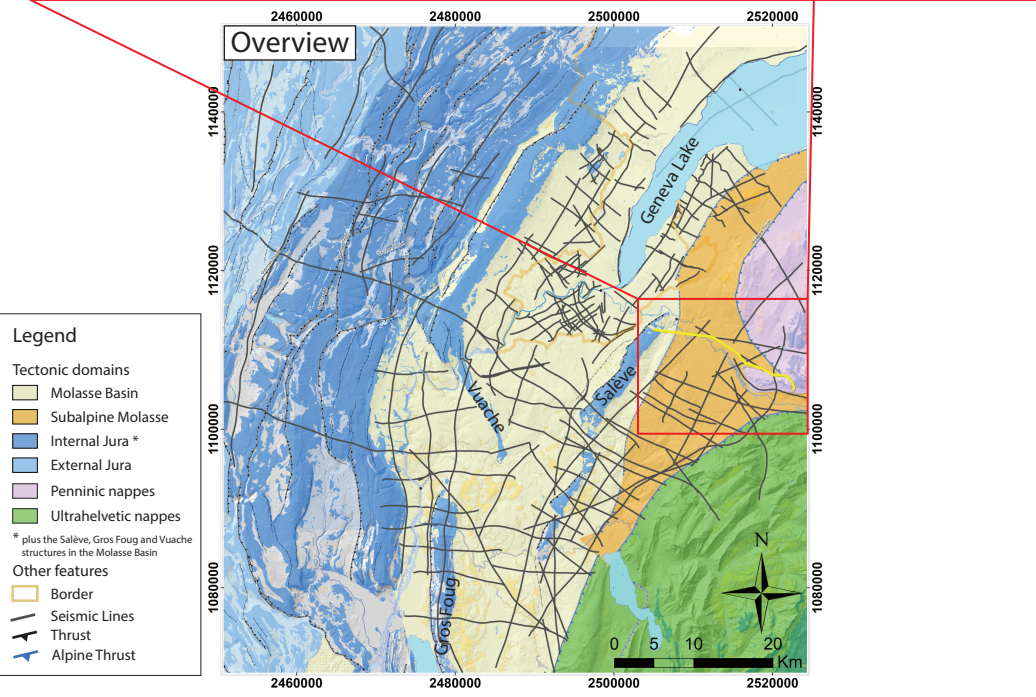
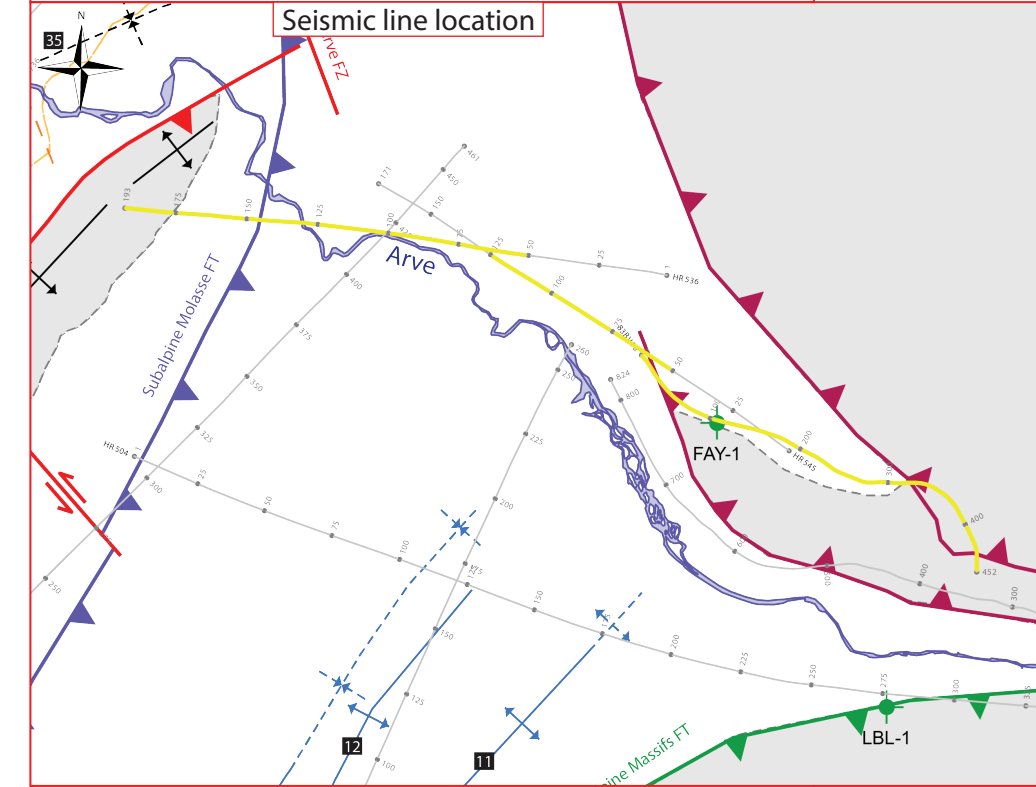
**Legend for Faults:**

- FT: Frontal Thrust
- FBT: Frontal Back Thrust
- FZ: Fault Zone
- FC: Fault Corridor

**Stratigraphic Units:**

- nBCen
- nTDo
- nTKeu
- nBMes
- InPal

**Scale:** 0 km 2



**Structural Interpretation**

- Correlated fault stick (with intersection cross with other surveys)
- Non-correlated fault stick
- Conceptual fault stick
- Basal décollement zone
- Fault corridor boundary
- Major dip change line
- Fold axial surface

**Stratigraphic Interpretation**

- Horizon well defined
- Horizon poorly defined / intra Paleozoic reflections / near Base Quaternary model (GESDEC)
- Horizons TWT at line intersections
- Projected perpendicular to the seismic line

**Well abbreviation (Map and section)**

La Balme-1	LBL-1
Faucigny-1	FAY-1

**Other abbreviations**

Trace	Seismic trace
FZ	Fault zone
FC	Fault corridor
TWT proj.	Two way traveltime
s	Projected Seconds
nT	near Top
nB	near Base
Q	Quaternary
Cen	Cenozoic
UMa	Upper Malm
LMa	Lower Malm
Do	Dogger
Li	Lias
Keu	Keuper
Mus	Muschelkalk
Mes	Mesozoic
InPal	Intra Paleozoic

**Well stratigraphy**

- Cenozoic & Quaternary
- Lower Cenozoic (Eocene?)
- Cretaceous
- Upper Malm
- Lower Malm
- Dogger
- Liassic
- Keuper
- Muschelkalk
- Paleozoic

**Interval Velocities of Model 1 GVA Molasse Basin NW of Salève FT**

3000 m/s	Replacement Vint
3300 m/s	Upper Cenozoic
4000 m/s	Lower Cenozoic
5340 m/s	Cretaceous + Malm
4520 m/s	Dogger+ Lias
5101 m/s	Triassic
5000 m/s	Paleozoic

**Interval Velocities of Model 1 Subalpine Molasse area SE of Salève FT**

3000 m/s	Replacement Vint
3300 m/s	Upper Cenozoic
3918 m/s	Lower Cenozoic
5617 m/s	Cretaceous + Malm
5132 m/s	Dogger+ Lias
6302 m/s	Triassic
5000 m/s	Paleozoic

**Legend**

**Tectonic domains**

- Molasse Basin
- Subalpine Molasse
- Internal Jura \*
- External Jura
- Penninic nappes
- Ultraschweizer nappes

**Other features**

- Border
- Seismic Lines
- Thrust
- Alpine Thrust

Coordinate system: CH1903+ / LV95