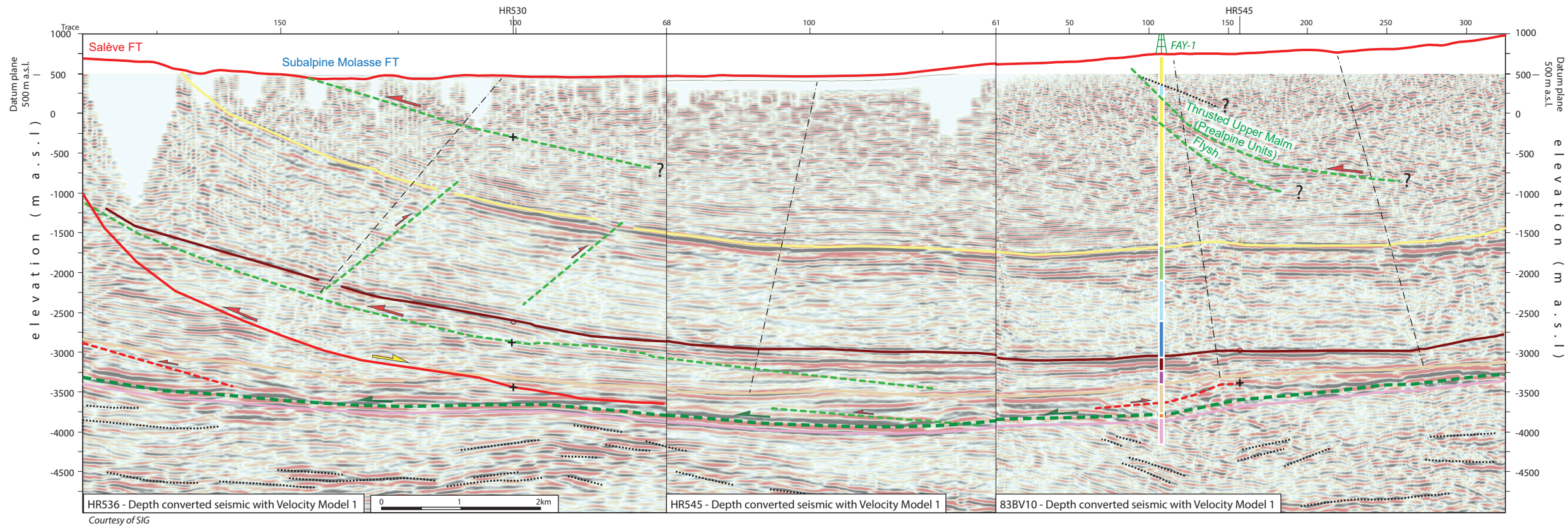
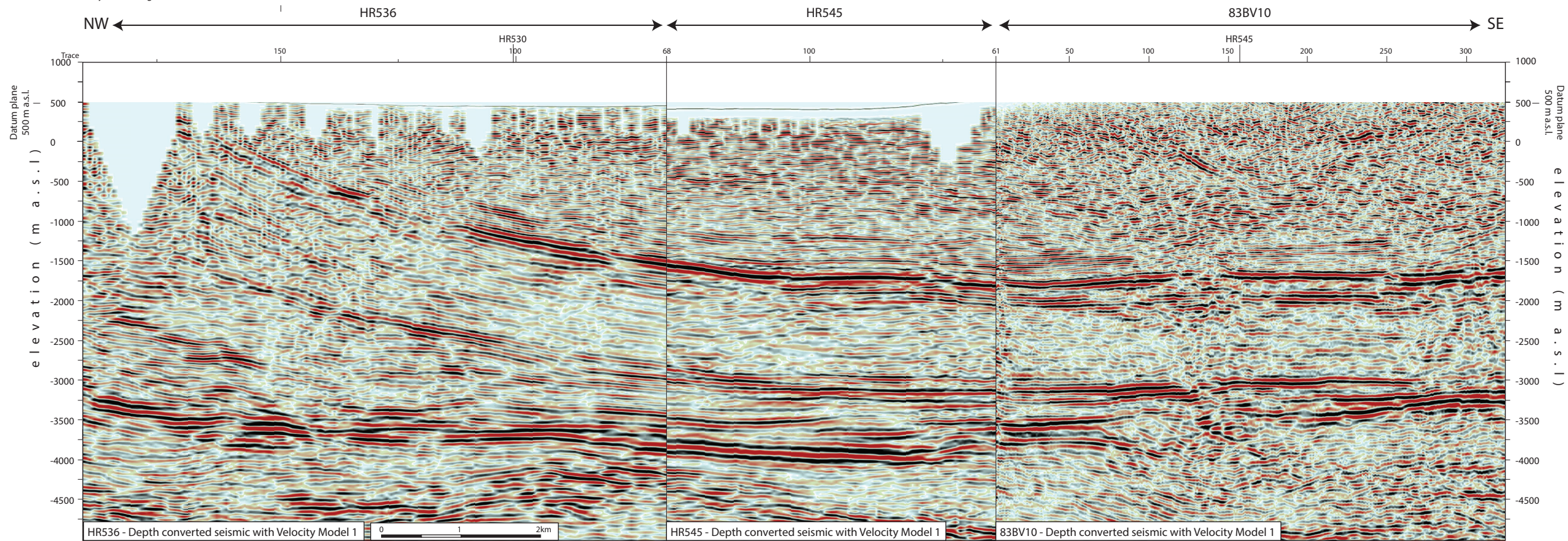


2D seismic line Transect SAM (FR)



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

- Displacement vector pointing towards the observer
- Displacement vector pointing away from the observer
- Displacement vector during Cenozoic
- Displacement vector during Jurassic
- 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 Two way travelttime  
proj. Projected  
s 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  
Lias  
Keuper  
Muschelkalk  
Paleozoic

- 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)

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

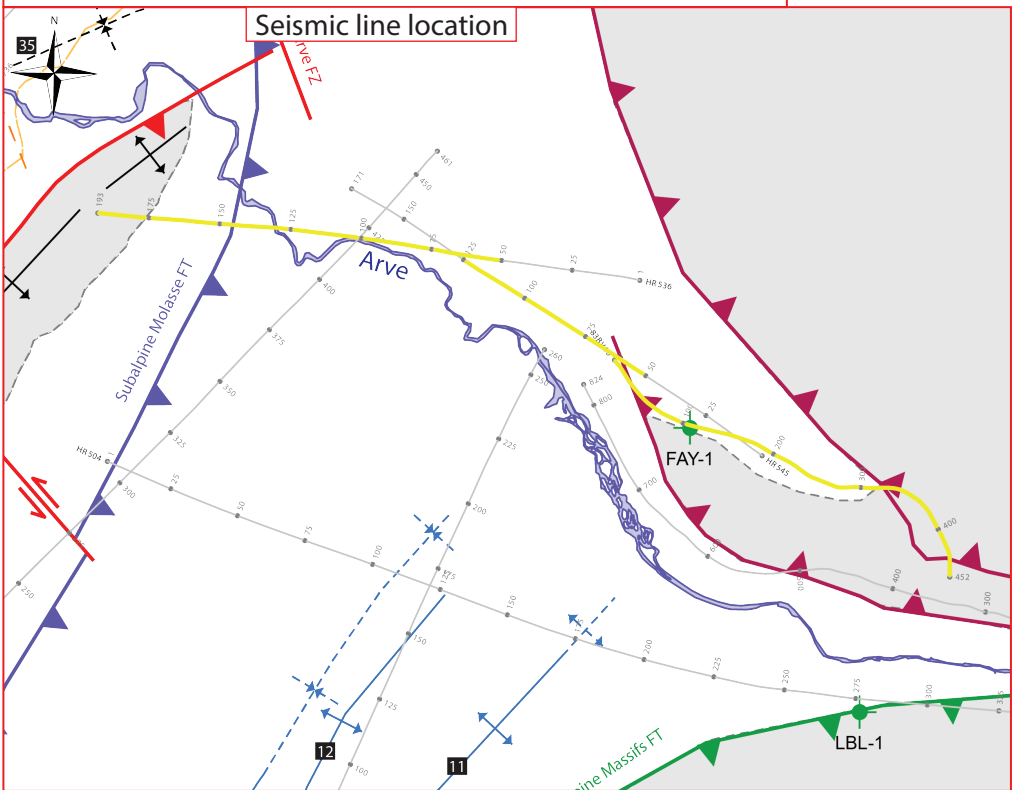
- Areas
- Molasse Basin (Quaternary or Molasse outcrops)
  - Mesozoic outcrops
  - Cretaceous outcrops at the boundary between the Molasse Basin and the Jura fold and Thrust Belt

- Main Faults at nBCen (near Base Cenozoic)
- Reverse fault
  - Strike-slip fault
  - Normal fault
  - Fault corridor
  - FT: Frontal Thrust
  - FBT: Frontal Back Thrust
  - FZ: Fault Zone
  - FC: Fault Corridor

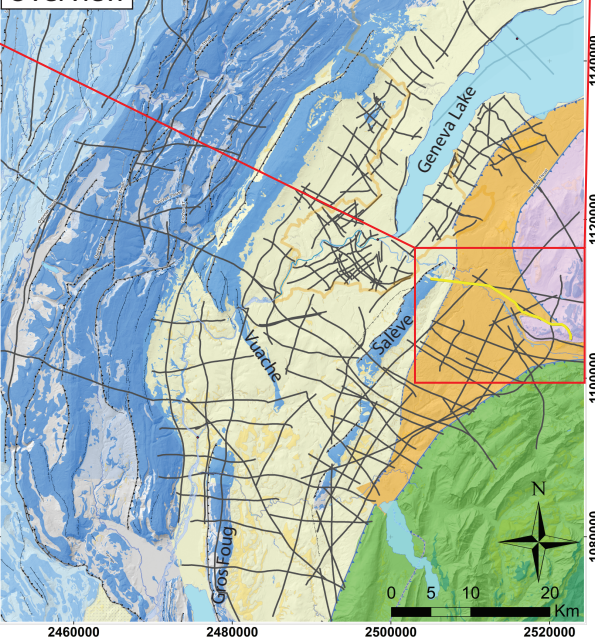
Other features

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

0 km 2



Overview



Legend

- Tectonic domains
- Molasse Basin
  - Subalpine Molasse
  - Internal Jura \*
  - External Jura
  - Penninic nappes
  - Ultraschist nappes
- Other features
- Border
  - Seismic Lines
  - Thrust
  - Alpine Thrust

\* plus the Salève, Gros Foug and Vuache structures in the Molasse Basin

Coordinate system: CH1903+ / LV95