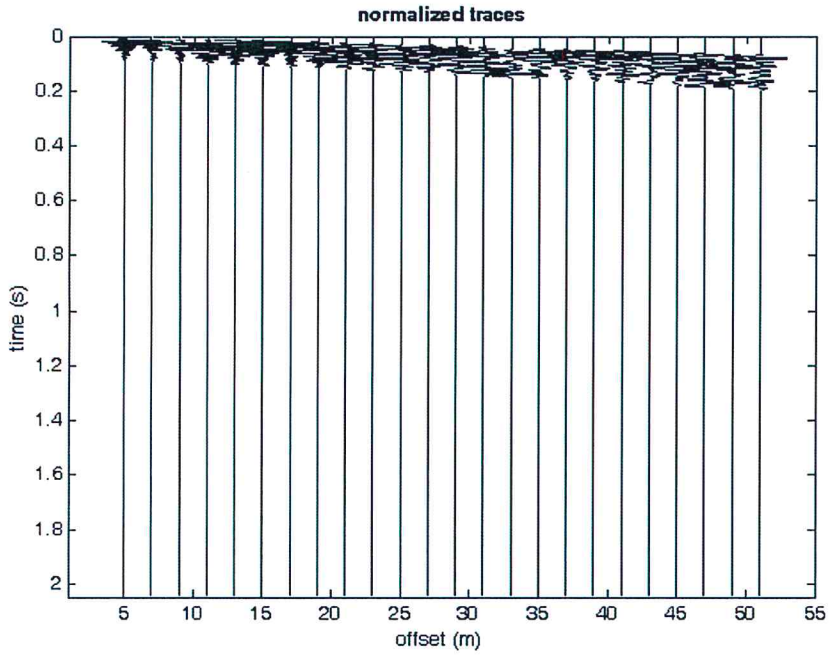
#1: uploading & processing (MASW analyses)

dataset: 1maswterna.dat
minimum offset: 5 m
geophone spacing: 2 m
sampling: 0.125 ms



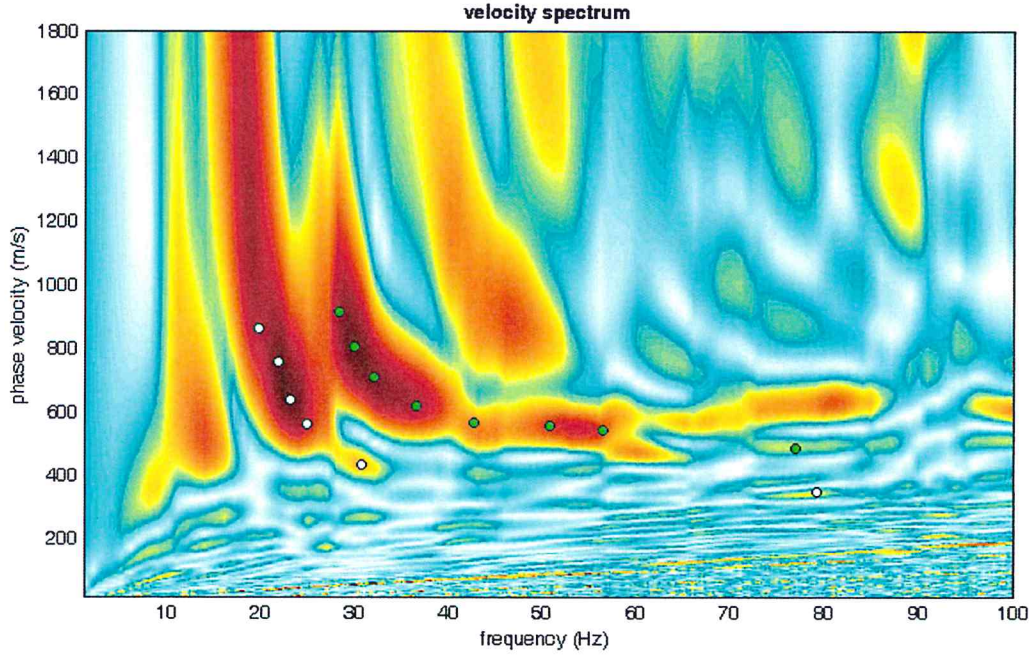
utilities
flip traces
spectrum
movie
?

data selection
activate
select
20
cancel
save

#2: velocity spectrum, modelling & picking (MASW & ReMi analyses)

MASW
calculate spectrum
Tau - v

visualize curves
input curve
?



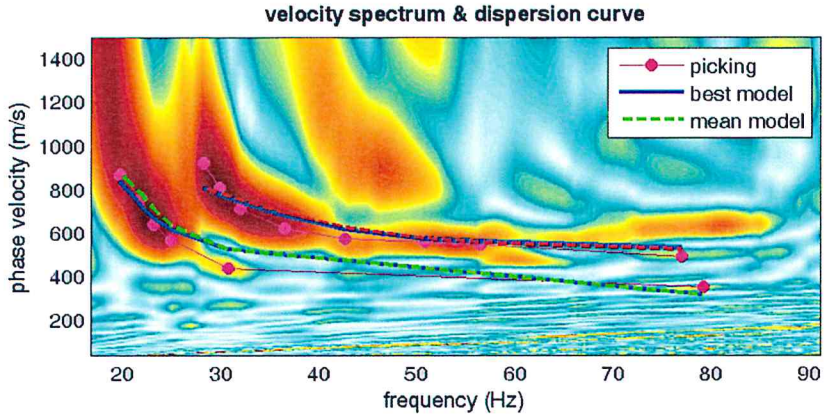
explore spectrum

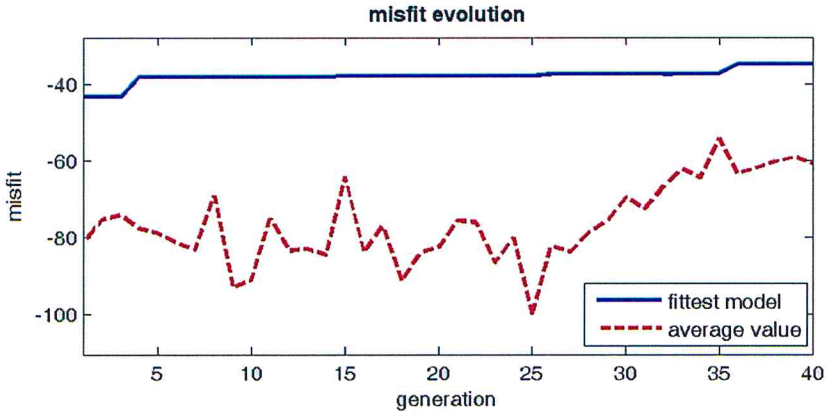
MASW TERNA CACCAMO SERRAPETRONA.cdp

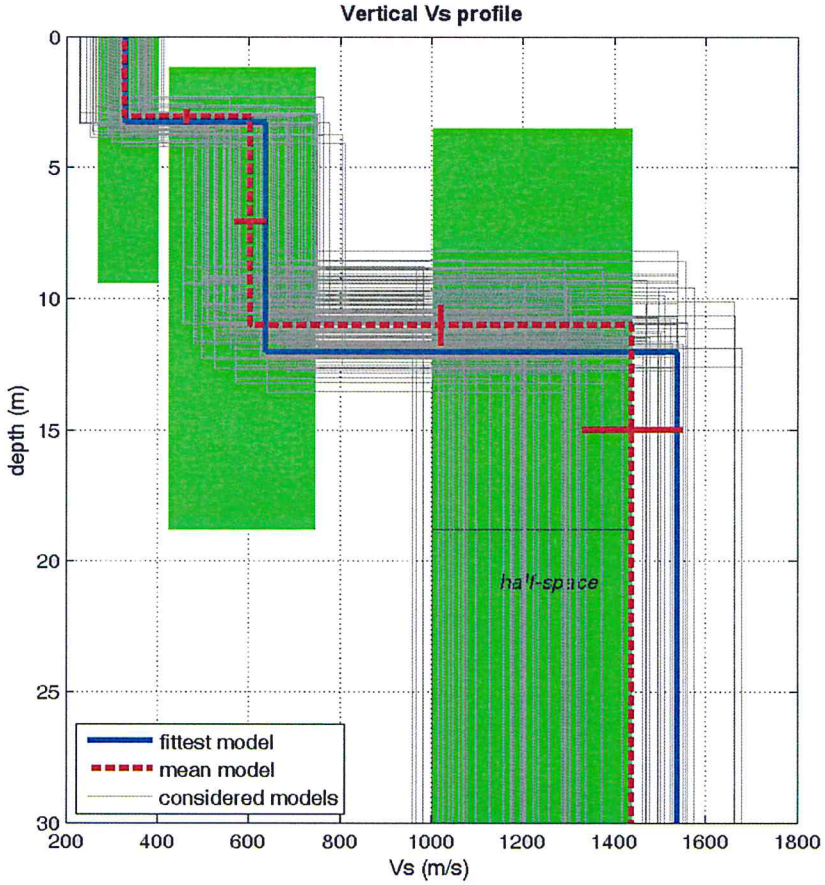
modelling
parameters
save model
upload model
3
Love analysis:
Professional version
eigen period
refresh
?

picking
first higher
?
use the right button to select the
last point of the considered mode
save picking
?
cancel picking

inversion
exit





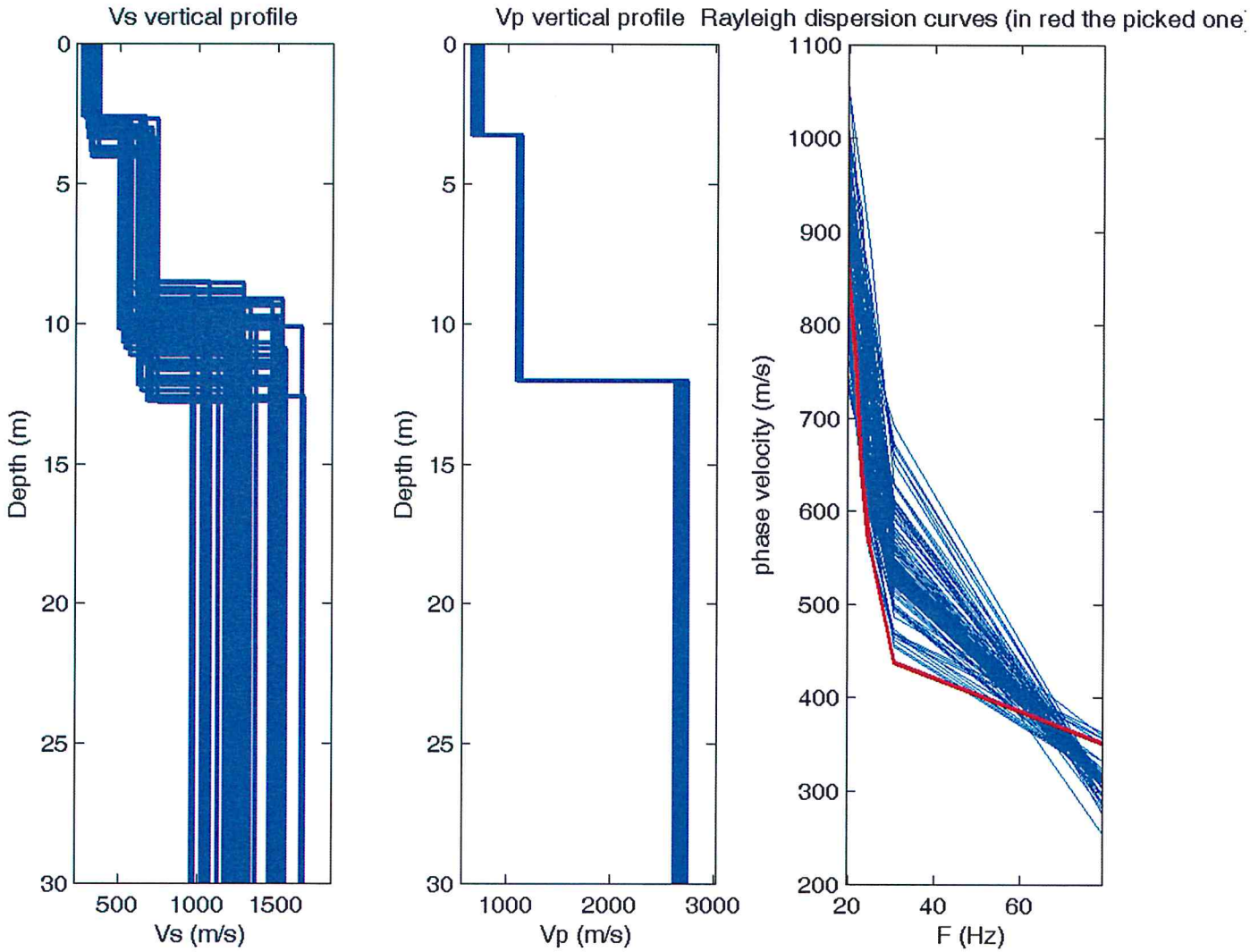


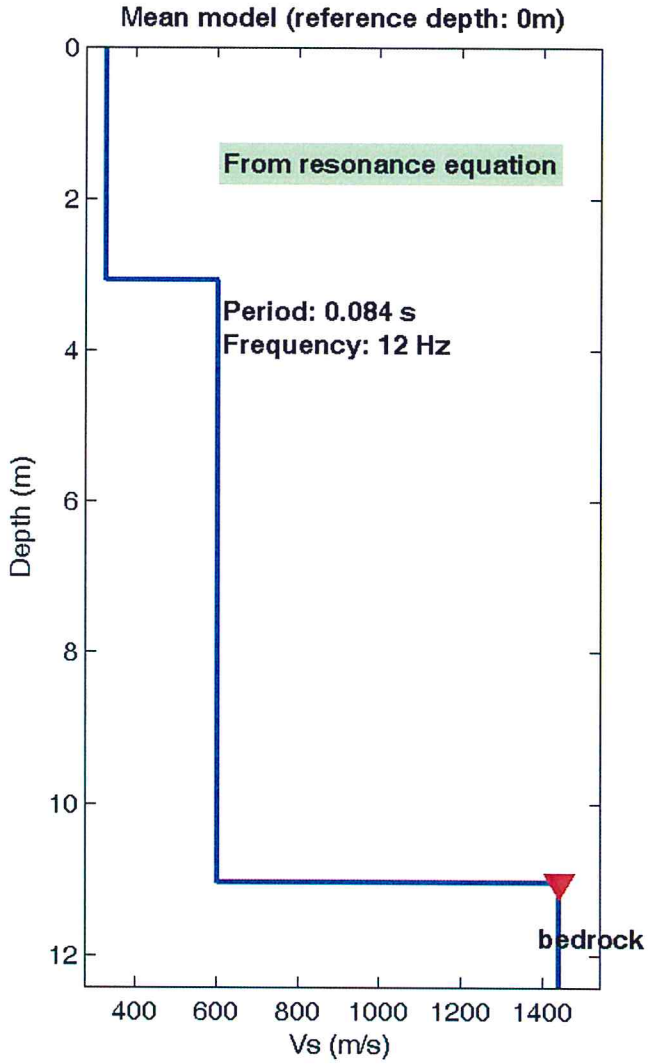
dataset: 1maswterna.dat

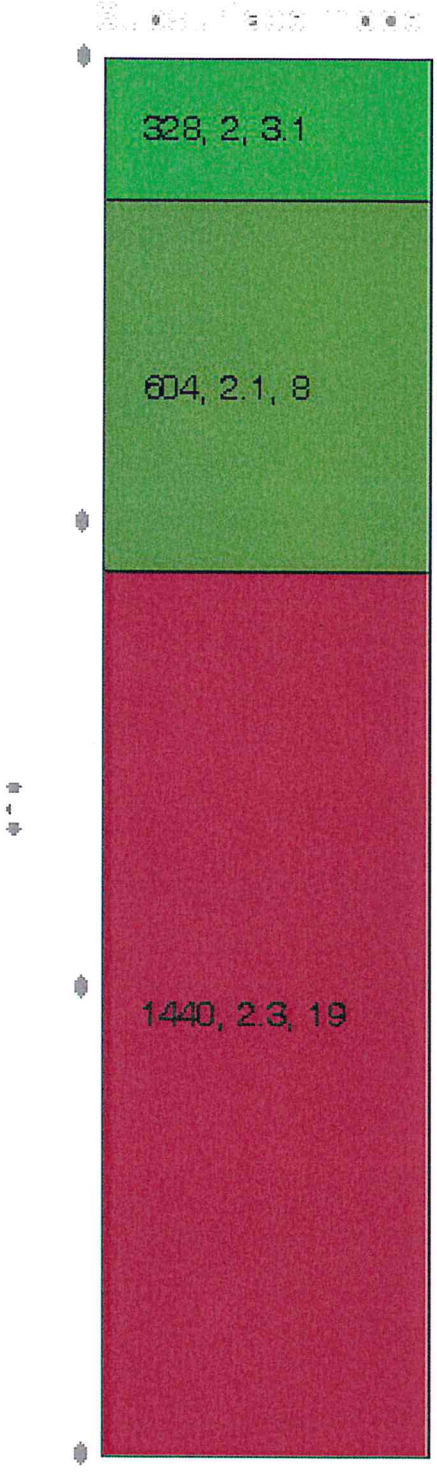
dispersion curve: MASW TERNA CACCAMO SERRAPETRONA.cdp

VS30 (best model): 850 m/s

VS30 (mean model): 840 m/s


Vs vertical profile
Vp vertical profile
Rayleigh dispersion curves (in red the picked one)
Depth (m)
Vs (m/s)
Vp (m/s)
phase velocity (m/s)
F (Hz)
0
5
10
15
20
25
30
500
1000
1500
2000
3000
1100
900
800
700
600
400
300
200
20
40
60


Mean model (reference depth: 0m)
From resonance equation
Period: 0.084 s
Frequency: 12 Hz
bedrock
Depth (m)
0
2
4
6
8
10
12
400
600
800
1000
1200
1400
Vs (m/s)



Vs (m/s)	density (gr/cm^3)	thickness (m)