

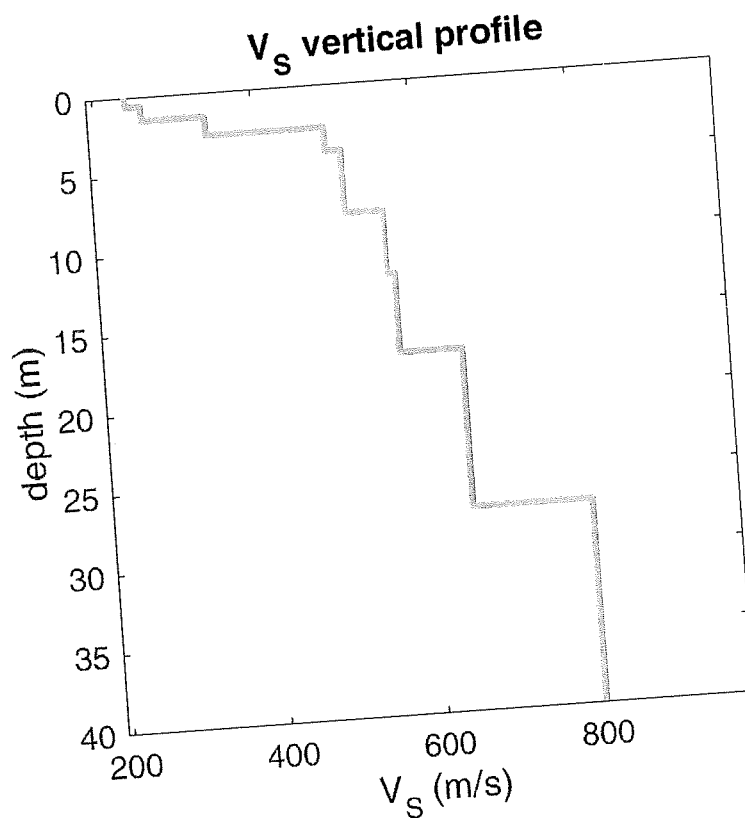
Sez. 7.5: "Produzione ed Erogazione Servizi"

PROVE IN SITO - INDAGINI GEOGNOSTICHE E GEOFISICHE

Monteverdi 1

Vs model (Vs30 & VsE: 544 526 m/s)

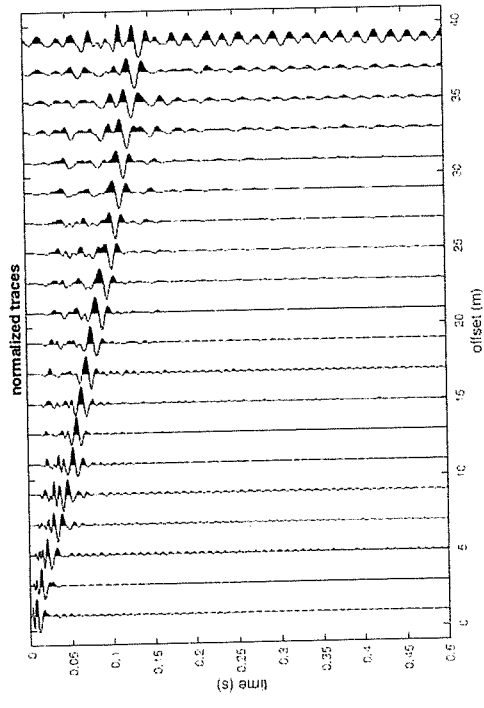
layer	Vs (m/s)	thickness (m)	depth (m)
1	240	0.6000	0.6000
2	260	0.9000	1.5000
3	340	1.2000	2.7000
4	490	1.5000	4.2000
5	510	4	8.2000
6	560	4	12.2000
7	570	5	17.2000
8	650	10	27.2000
9	800	40	67.2000
10	1200	60	127.2000
11	1600	80	207.2000
12	2000	0	0



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PROVE IN SITO - INDAGINI GEOGNOSTICHE E GEOFISICHE

#1: data uploading & processing

dataset 000 - 1.sq2 (resampled)
sampling: 1ms (1000Hz) - 1000 samples
minimum offset: 1 m
position spacing: 2 m



next shot
keep parameters

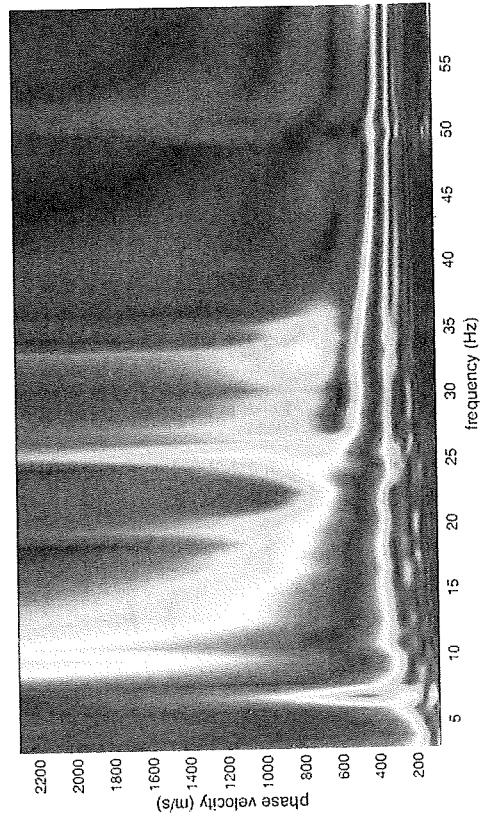
MASW compute velocity spectrum
phase velocity 1.4
group velocity 250

linear-linear
draw velocity

handling the spectra
upload
merge

explore spectrum
mode separation

#2: velocity spectrum, modelling & picking (MASW, MFA, ESAC & Remi analyses)



picking

show f4

auto picking

display data curves

select mode

to select the last point of the curve, click the red the left button

save picking

cancel picking

inversion

inversion

point D-HV inv.

modelling

remapping
0.5
resample
accept

data selection
activate
select
cancel
save

filtering & spectra
filter
cancel
spectrum
spectrogram

Autospectra
upload
cancel
flip polarity
offset

ref. 3 roll
ref. 3 roll
upload
cancel
flip polarity
offset

other tools & settings
0.5
time to virtualize (s)
none
out

2m offsets
flip all traces
show 3D data
test amplitude
zero padding

about Poisson

get rid of setting
Refresh
0
reference depth
HV (body waves)
HV (surface waves)

phase vel
Refraction

thickness
0.3
0.8
1.5
1.5
4
5

Power
0.35
0.35
0.35
0.35
0.4
0.4

Qs
10
16
19
24
26
31

Vs
200
340
340
400
500
500
700
900
1400
1800
2000

synthetics (FVS)
ZNF
show D-C
show model
J. first overlap
Synthetics

upload model
save model
show M 3 R
refresh
compute

effective (passive)
reporting
report DC
report SS

40
max depth



